

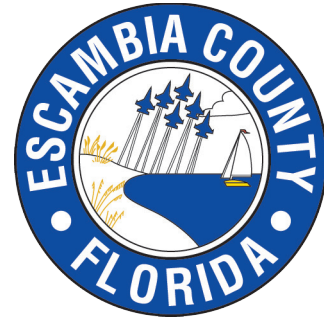
After the Flood



April 2014 Flood Recovery
Two-Year Anniversary
Report



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Our Mission

The mission of Escambia County government is to provide efficient, responsive services that enhance our quality of life, meet common needs and promote a safe and healthy community.

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Left to right: Vice Chairman & District 1 Commissioner Wilson Robertson, District 5 Commissioner Steven Barry, District 2 Commissioner Doug Underhill and District 3 Commissioner Lumon May. Center: Chairman & District 4 Commissioner Grover Robinson

Contact Your Board of County Commissioners

- District 1 (850) 595-4910, district1@myescambia.com
- District 2 (850) 595-4920, district2@myescambia.com
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- District 4 (850) 595-4940, district4@myescambia.com
- District 5 (850) 595-4950, district5@myescambia.com

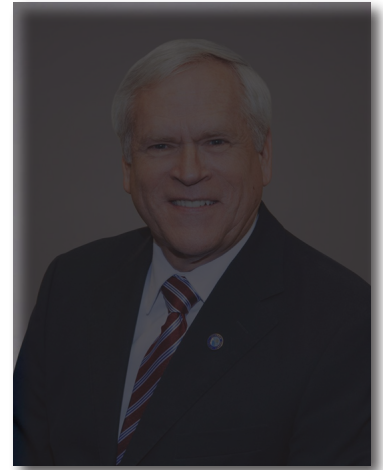
April 2014 Flood Recovery Two-Year Anniversary Report



April 29, 2016

To all of Escambia County,

As we mark the two-year anniversary of the April 29, 2014 flood, I am sure you vividly remember the unprecedented damage to private and public property as 22 inches of rain fell within 29 hours. I am still amazed that our public works crews removed more than 280 tons of debris and pumped one million gallons of water out of neighborhoods. Estimates of damage to county infrastructure and buildings were an astounding \$89 million - and counting. With such staggering destruction, recovery is neither fast nor easy; it must be a strategic, multi-year commitment.



As you read through this transportation and drainage recovery report, you will see that in the two years since the floods, we have made significant progress in our recovery. Out of 182 identified stormwater improvement or repair projects, 82 percent are complete. Thanks to efforts of our Stormwater Advisory Team, staff, and the direction of the commission we have made significant strides in our long-term goal of improving how our county can withstand the impact of similar events in the future. It meant looking at and continuing to focus on stormwater as a whole instead of piecemeal plans from development to development, and going through the difficult process of establishing a new standard in how we do things in Escambia.

Recovery is costly. On pages six through eight, you will find information on the many programs we are leveraging to help fund the 2,300 identified locations with infrastructure damage. Many of the 182 resulting projects are designed not only to repair flood damage, but help solve long-standing issues found in the communities prior to the flooding.

While we have made significant progress, we are not yet fully recovered. We have 32 projects that are currently funded and in the design or construction phase. Although a viable temporary bridge on South Old Corry Road Bridge has been constructed, the permanent replacement project is not yet funded. The Transportation Planning Organization has asked the Florida Department of Transportation to place the project on their Bridge Replacement Funding and Prioritization Program. If approved, the project is estimated at \$2.6 million to construct, with the county's share being approximately \$650,000. In the Lake Charlene area, we have applied for a \$2 million Hazard Mitigation Grant and a draft agreement with the Florida Department of Emergency Management is currently under review to improve the Lake Charlene outfall capacity. This project is expected to improve flooding by more than 90 percent when complete. A secondary outfall for the Bridle Trail lake area is also planned with alternate funding.

Where this report only focuses on transportation and drainage projects, I would be remiss if I did not note that replacing our central booking facility and jail is a significant marker of our recovery. It is an immense project and one we all wish could move at a quicker pace. However, we are making progress each day.

While we can never take away the suffering our residents endured as a result of this natural disaster, we can continue to identify and invest in solutions to reduce the threat of flooding and protect our citizens.

A handwritten signature in blue ink that reads "Jack R. Brown".

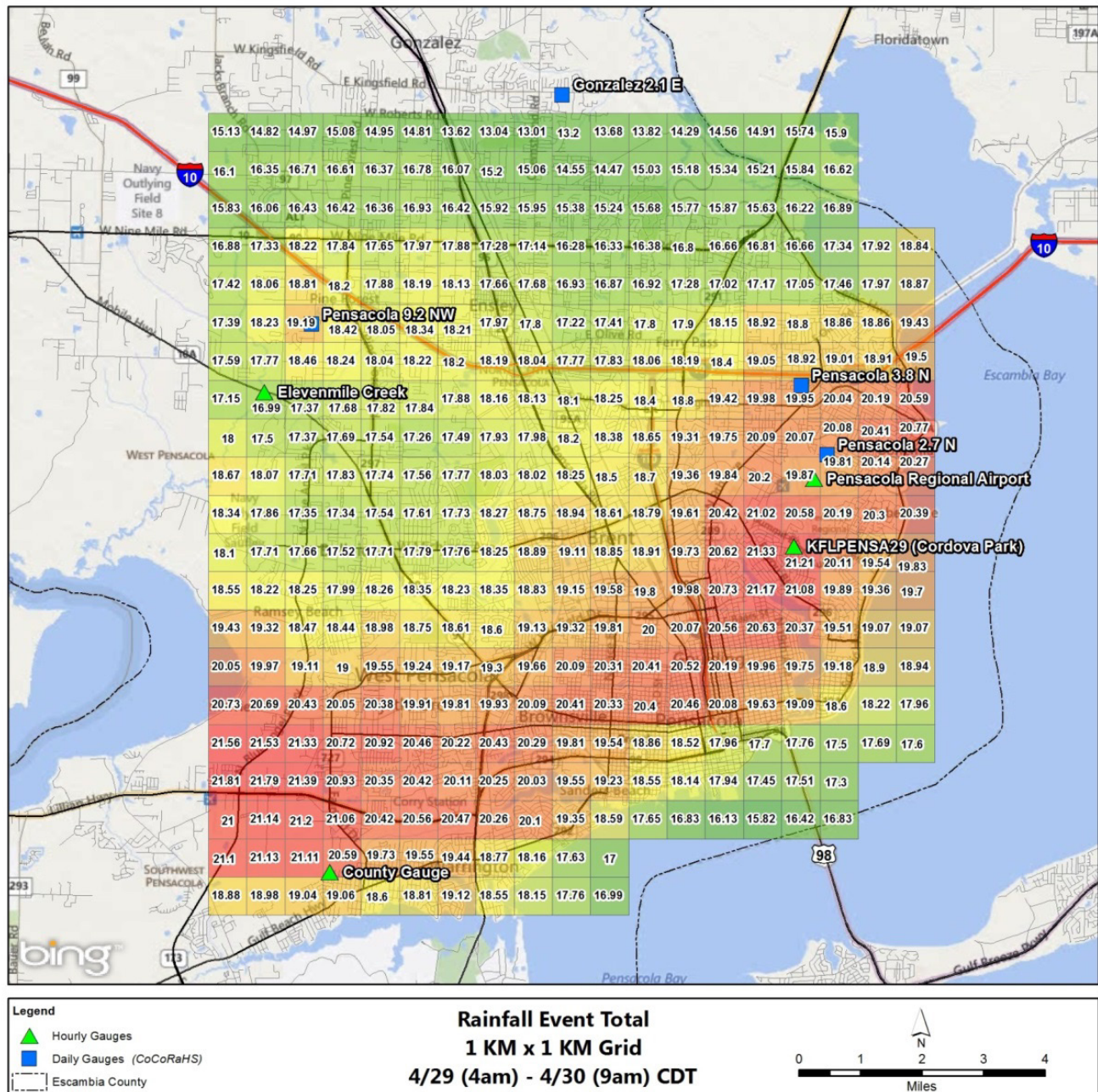
Jack R. Brown
County Administrator
Escambia County, FL



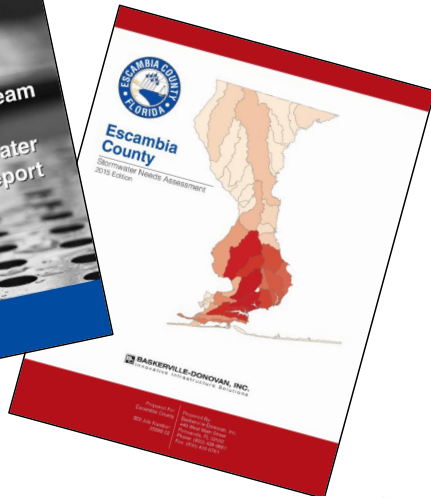
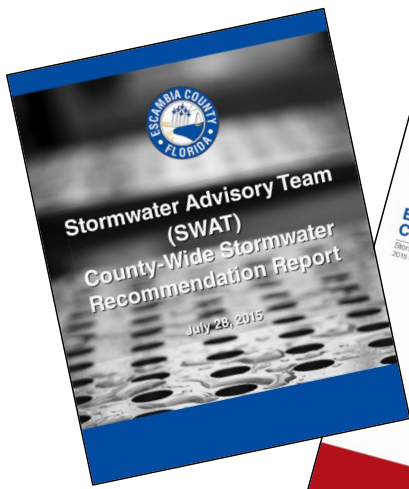
April 2014 Floods

April 29 and 30, some areas of Escambia County received as much as 22 inches of rain in a 29 hour period, making it fall between a 100 or 200 year event. The terms “100 year” and “200 year” floods are used to describe the estimated probability of a flood event happening in any given year. Their primary use is for determining flood insurance rates in flood hazard areas. A 100 year event has a one percent probability of happening in a year and a 200 year event a .5 percent probability. It is possible to have two 100 or even 500 year floods within years or months of each other.

Teams from Escambia County immediately began to address public safety concerns, emergency contracting, coordinating with other agencies, and the monumental task of conducting damage assessments. To accomplish this, the county was divided into 13 manageable areas based on population and development and two person teams were



The most impacted areas of the county shown in red above, saw more than 20 inches of rain in just over 24 hours.



mobilized to survey damage in their assigned zones. Assessments of homes, businesses and county facilities and infrastructures like roadways, bridges, drainage systems, and ponds yielded more than 2,300 damage points in the county. Using this system, a majority of the county was assessed in five days. ***In the following pages of this report, you will find an update on the damage to county infrastructure which resulted in 182 projects amounting to approximately \$25.8 million in design and construction costs.***

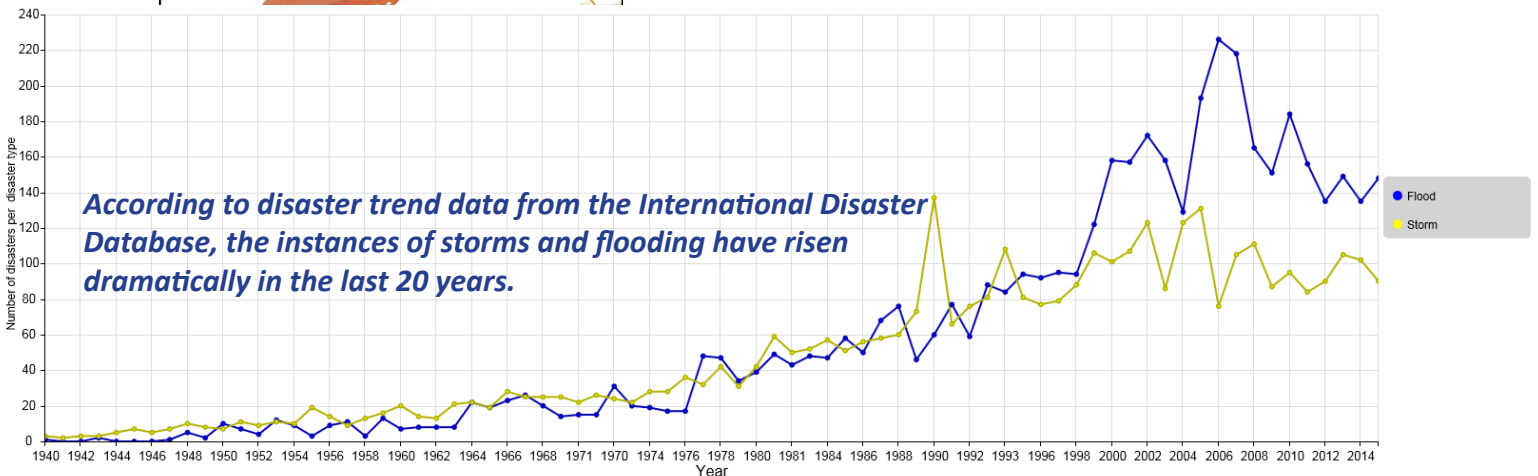
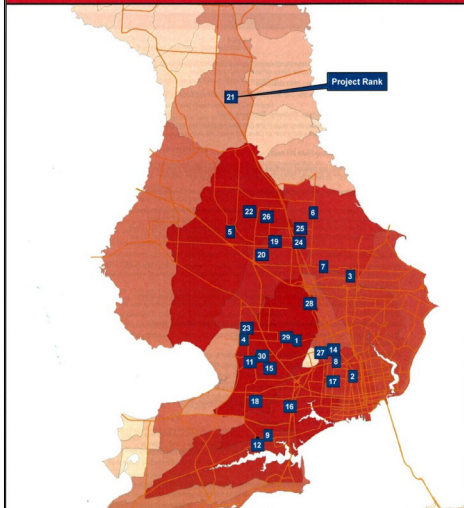
Once recovery was on its way, goals next turned to reforming the county's stormwater policy. The Escambia Board of County Commissioners established the Stormwater Advisory Team, or SWAT, in conjunction with the City of Pensacola. This team was tasked to give a "fresh look" at stormwater standards through public involvement and discussion. The SWAT was made up of a variety of individuals and professionals; not government staff, engineers, or politicians. Major topics of meetings included storm damage from the April 2014 flooding, precipitation data, low impact design, intergovernmental cooperation, the Pensacola Bay Basin, South Old Corry Bridge and the Lake Charlene area.

The results were two reports that outlined multiple suggested actions for improvements, including the [Stormwater Needs Assessment](#) and the [SWAT County-Wide Stormwater Recommendation Report](#). On April 16, 2015, the Escambia County Board of County Commissioners implemented the recommendation to revise the storm standards from a 25 year event to a 100 year event. Staff have also developed a "low impact design manual," a site design approach that utilizes Green Infrastructure to meet a project's post development stormwater runoff water quality requirements.

Page 4 **Ranked Needs Assessment List**

Rank	Project	Page
1	Crescent Lake Construct drainage system and new ponds on east side of Crescent Lake through the Blue Springs Drive drainage system up to Glass Street and Sun valley Drive	87
2	Spring Street - Leonard Street - PHS Drainage Joint Drainage project between the City and School Board to address flooding on Spring Street and School Area.	97
3	Frinchez Heights (Sabra, Erwin, Whitmire, Ernistene Area) Proposed drainage capacity improvements in the Frinchez Heights area including Sabra Dr, Erwin Dr, Whitmire Dr, Ernistene Rd (North of Olive Rd) which will likely require a ditch conversion into a pond site	65
4	Muldoon Road and Sautley Field Rd Area Drainage improvements are needed to address existing drainage capacity from Blue Angel to Muldoon Road. FDOT is currently (2015) reviewing partial drainage with sidewalk projects.	83
5	Flood Plain Management, Wetland Restoration, and Regional Pond Construction in 11-Mile Creek Basin Roadway/drainage and sewer improvements; currently under design (NE of Fairfield and Gulf Reach Highway, Fairfield to Colbert)	51

Top Priority Drainage Projects **Page 3**



April 2014 Flood Recovery Two-Year Anniversary Report

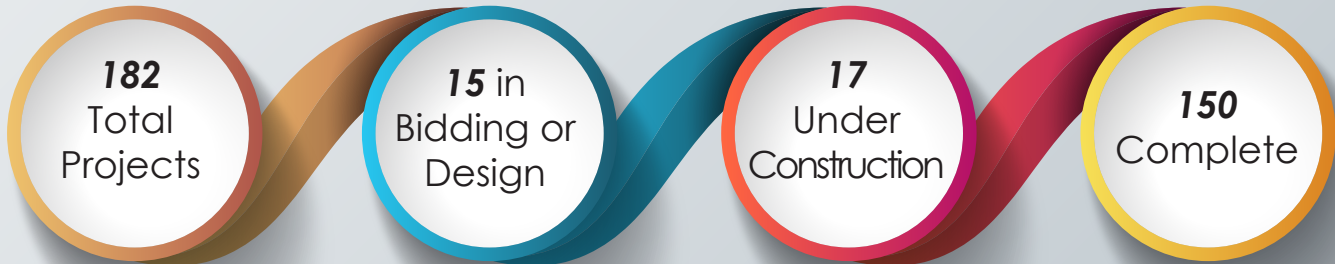


Recovery Summary

Damage caused by the overwhelming April 2014 floods to Escambia County infrastructure, parks, facilities and private property was significant. During the second year of recovery county staff and construction crews have continued moving aggressively to repair damages and make needed improvements.

Work to meet the repair needs of the county is still ongoing, and much has been accomplished. The county continues to work with several federal agencies that provide reimbursement funding following a declared disaster. Damage to county infrastructure has resulted in 182 projects with an approximated cost of \$25.8 million for design and construction. These projects are located throughout the southern half of Escambia County, not including damages in the Pensacola city limits.

Status of County Infrastructure Projects



Over half of the remaining projects are scheduled for completion by the end of 2016, and the remainder expected in 2017.

Project Status/Cost Breakdown

- **Projects Complete Total \$12.6 Million** (road and engineering division projects only)
- **Projects Remaining Total \$13.2 Million** (road and engineering division projects only)

Project Funding

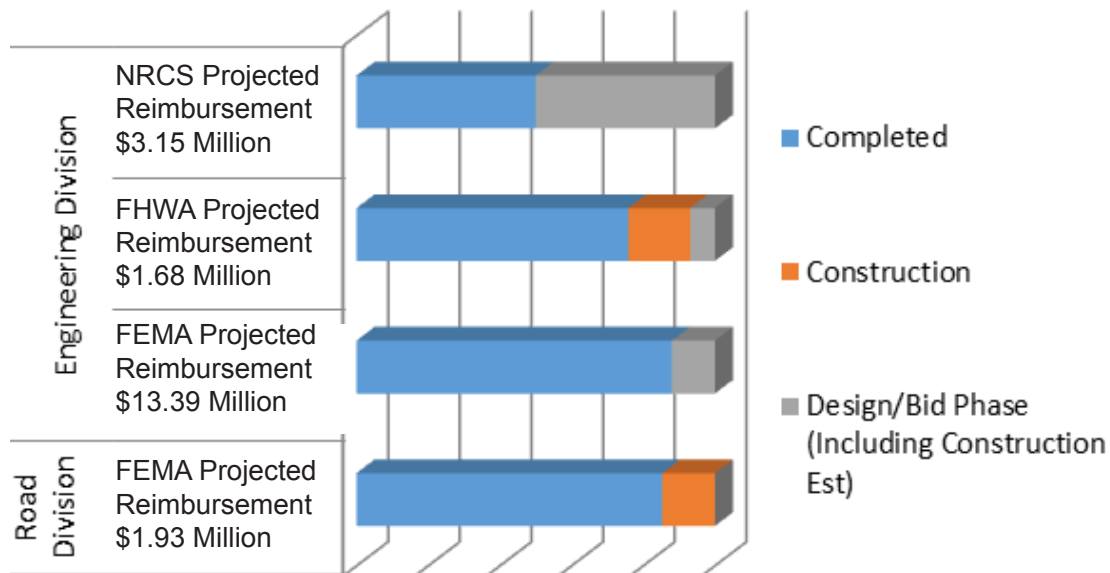
- Eligible projects are submitted for 75 - 87.5 percent federal and state reimbursement (see next page).
- Six grant programs are also being explored which will supplement the county's LOST, or local option sales tax, dollars for future projects, see page 7 for more details.
- There are four projects currently underway that were not eligible for grant funding and are funded by LOST dollars. Those projects are Ponderosa Drive Pond, Mayfair/Algiers, Willowbrook Lake and Colonade Circle & Devonshire Circle Drainage Improvements.

Status of Damages, Costs & Reimbursements

The April 2014 storm left over 2,300 infrastructure damage locations, resulting in 182 combined projects. The status of all of the damage locations are as follows: received permanent repair, temporary repair, under construction or in the design or procurement phase.

The county is exploring a wide variety of funding options to help with the \$25.8 million in projects planned to complete infrastructure repairs and mitigation. A large portion, or approximately \$20.15 million, is currently projected to be reimbursed from:

- The Natural Resources Conservation Service - reimbursed at 75 percent per approved project
- The Federal Highway Administration - reimbursed at 80 percent per approved project
- FEMA - reimbursed at 75 percent by FEMA and 12.5 percent by the Florida Division of Emergency Management



Flood Damage to Blue Springs Drive

Schedule for Ongoing Repairs

In taking a look at the schedule for the 32 ongoing repair projects, here is the list of remaining projects to be completed. These projects total \$13.2 million, \$11.2 million is expected to be reimbursable costs from federal and state agencies and \$2 million in local option sales tax.

Projects anticipated to be completed in 2016

- Bellview Zone Pond # 98
- Calvin & Rhonda Streets
- Chimney Pines Drive
- Gonzalez Zone (4 Sites)
- Grande Lagoon Subdivision
- Magnolia Lakes Subdivision
- Meadowbrook Drive Phase 2
- Northpoint Circle
- Prieto Road
- Redwood Circle Culvert
- South Bay Subdivision
- Cypress Point & Glynn Broc Gully
- Gatewood Drive Ditch
- Olive Road Gully
- Ten Mile Creek East
- Crescent Lake Dam
- Colonade Circle & Devinshire Circle Drainage Improvements

Projects anticipated to be completed in 2017

- Almax Court & 52nd Avenue
- Smiths Fish Camp Road
- Crescent Lake Stormwater Outfalls
- Wilde Lake Boulevard
- East Shore Drive Drainage
- Green Hills Road
- Jackson Lakes Maintenance Yard
- Idlewood Drive
- Shadow Grove Boulevard
- Johnson Avenue Pipe
- Gulf Beach Highway
- North Davis Bridge & Canal Near Swamphouse
- Ponderosa Drive Pond
- Mayfair/Algiers Street
- Willowbrook Lake

Addressing Other Flooded Areas

Most discussions regarding the April 2014 storm repair efforts were centered on areas with infrastructure damage caused by the storm. This is due to damages to infrastructure being eligible for disaster grant funding and subject to the grant agency timelines. There are several areas of the county where flooding occurred without obvious infrastructure damage. The county documented locations and is pursuing other avenues for funding.

Some of the funding sources and projects include:

FEMA Hazard Mitigation Grant Program

The county has submitted grant applications for five HMGP project and one Global Match project worth over \$17.4 million. The grant program has a 25 percent match requirement that can be either paid out of LOST or by other money being spent to provide flood reduction for the county. The county has submitted a global match project that, if approved, would cover the match costs, essentially covering all costs for the five projects at no additional expense to the county. The HMGP projects

were reviewed by the State and are currently under review by FEMA with an expected status update due in the Spring/Summer 2016. Upon FEMA approval, projects will transition into the design phase.

Projects Include:

- Delano Street Area Drainage Improvements
- Lake Charlene Area Drainage Improvements
- Bristol Park Area Improvements
- Pin Oak Lane Drainage Improvements
- Old Corry Outfall Ditch Property Purchase
- Global Match – Beach Haven NE Phase 1

RESTORE & The Nature Conservancy

TNC facilitated a community-based watershed planning process along Florida's Gulf Coast for six watersheds, including Perdido Bay and Pensacola Bay. The process was designed to provide a screening tool for communities, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, National Fish and Wildlife Foundation and the Gulf Coast Restoration Council to evaluate the watershed project priorities for potential RESTORE funding. The project list developed was used to pursue project funding for grant programs by documenting needs in the context of how they address solutions to the critical watershed issues.

Projects Include:

- Beach Haven Sewer, Drainage and Stream/Wetland Restoration
- Dog Track South – Coral Creek – Mariners Village Stream/Wetland Restoration
- Harold Avenue & Barnes Road Drainage & Stream/Wetland Restoration
- 8-Mile Creek Regional Pond & Stream/Wetland Restoration
- 11-Mile Creek Regional Pond & Drainage at West Roberts Road
- 10-Mile Creek Regional Pond, Drainage & Stream/Wetland Restoration at Stefani Road
- 11-Mile Creek Floodplain & Wetland Restoration at CR297A-Bristol Park/Creek-Devine Farms Road

RESTORE & National Fish and Wildlife Foundation

NFWF also funded another \$3.1 million for city of Pensacola projects within the same basin, for a total of approximately \$11 million. NFWF took ideas from the TNC to develop projects they felt were eligible under the NFWF program. The goal is to remedy harm and eliminate or reduce the risk of future harm to the Gulf Coast Natural Resources.

Projects Include:

- Beach Haven Drainage & Sanitary Improvements
- Jones Creek Wetland/Floodplain Restoration
- Jackson Creek Wetland/Floodplain Restoration

Amendment 1 & Northwest Florida Water Management District

Projects Include:

- Blue Springs at Clearwater Stormwater Improvements
- Idlewood Drive Drainage & Water Quality Improvements
- South Dog Track Road – Coral Creek – Mariners Village – Hampton Lakes Stream/Wetland Restoration & Pond
- Sydney Road Water Quality & Pond

FDEP 319

Projects Include:

- Bayou Chico Stormwater Retrofit Projects
- Stormwater Pond at Beach Haven Northeast Phase 1

National Disaster Resilience Competition – HUD – CBDR (City/County Joint Application)

Projects Include:

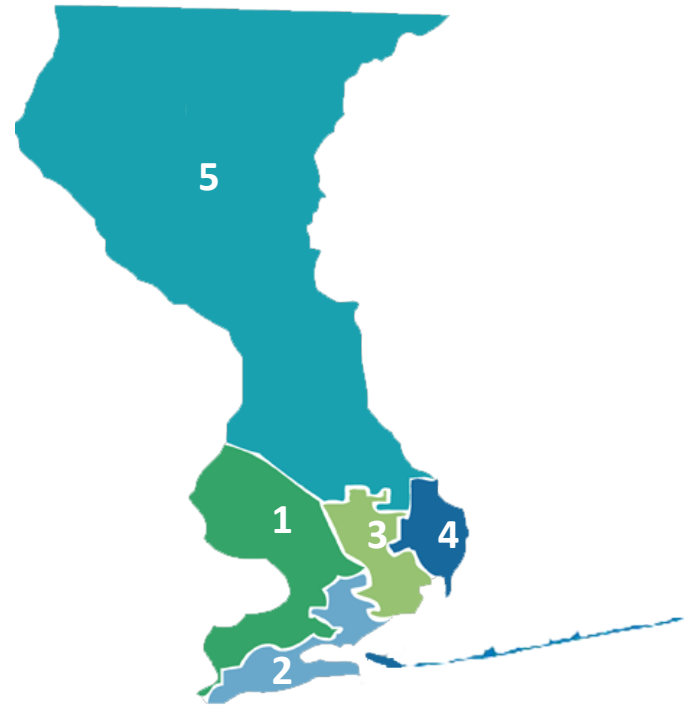
- Pensacola Bay Basin Improvements
- Potential Grant Funding of \$1 million - \$500 million



South Old Corry Field Road

Completed Flood Projects by Commission District

Across Escambia County, the road division completed 64 sites totaling \$2.2 million and the engineering division completed 86 projects totaling \$10.4 million. The following is a breakout of the **86 engineering projects only**:



District 1

24 projects completed totaling \$3.8 million

Project List

- Bell Ridge Pond
- Beulah Helms
- Beulah Road
- Blue Springs/Crescent Lake
- Brownsville Pond, Glynn Key & Talladega
- Constantine Drive
- Crowne Point Road
- Crystal Creek Subdivision
- Eight Mile Creek Road
- Emergency Repairs
- Emergency Bridge Inspections & Repairs
- Ferlon Avenue
- Galvin Avenue
- Huntsville Avenue
- Marcus Point
- Marlene Drive
- Mers Lane
- Millview Estates
- North Crow Road
- Pavement Rehab – Beulah School Road
- Pavement Rehab – Bay Oaks Drive
- Saufley Pines Road
- Viver Nell
- Woodridge Manor

District 2

24 projects completed totaling \$3.3 million

Project List

- Atlanta & Augusta Bridges
- Bauer at Judd
- Bauer at Weekley
- Chanticleer Drive
- Dogtrack Road
- Emerald Shores
- Emergency Repairs
- Emergency Bridge Inspections & Repairs
- Gulf Beach Highway
- Jackson Lakes Box Culvert
- Jones Creek
- Lake Charlene Road
- Laramie Drive
- Maggies Ditch & Patton Lane
- Myrtle Grove Athletic
- North Loop Road
- Pavement Rehab – Templeton
- Pavement Rehab – Bay Oaks Drove
- Quigley Road
- Sanchez Lane
- Seaglades North Road
- South Old Corry Field Road Temporary Bridge
- Warrington & Myrtle Grove Zone Ponds (4 Sites)
- Winthrop West

District 3

13 projects completed totaling \$574,000

Project List

- 1300 Johnson Avenue
- 1997 West Detroit
- Bridgedale Road
- Crystal Wells Outfall Pipe
- Emergency Bridge Inspections & Repair
- Ensley Ponds Kelly Avenue
- Newcastle (Bush)
- Newcastle Green Pit Pond (Abbington)
- Rolling Hills Road
- West Detroit at Bridge
- Pavement Rehab – Basin Street/Creekside Court
- Sparrow Lane

District 4

7 projects completed totaling \$819,000

Project List

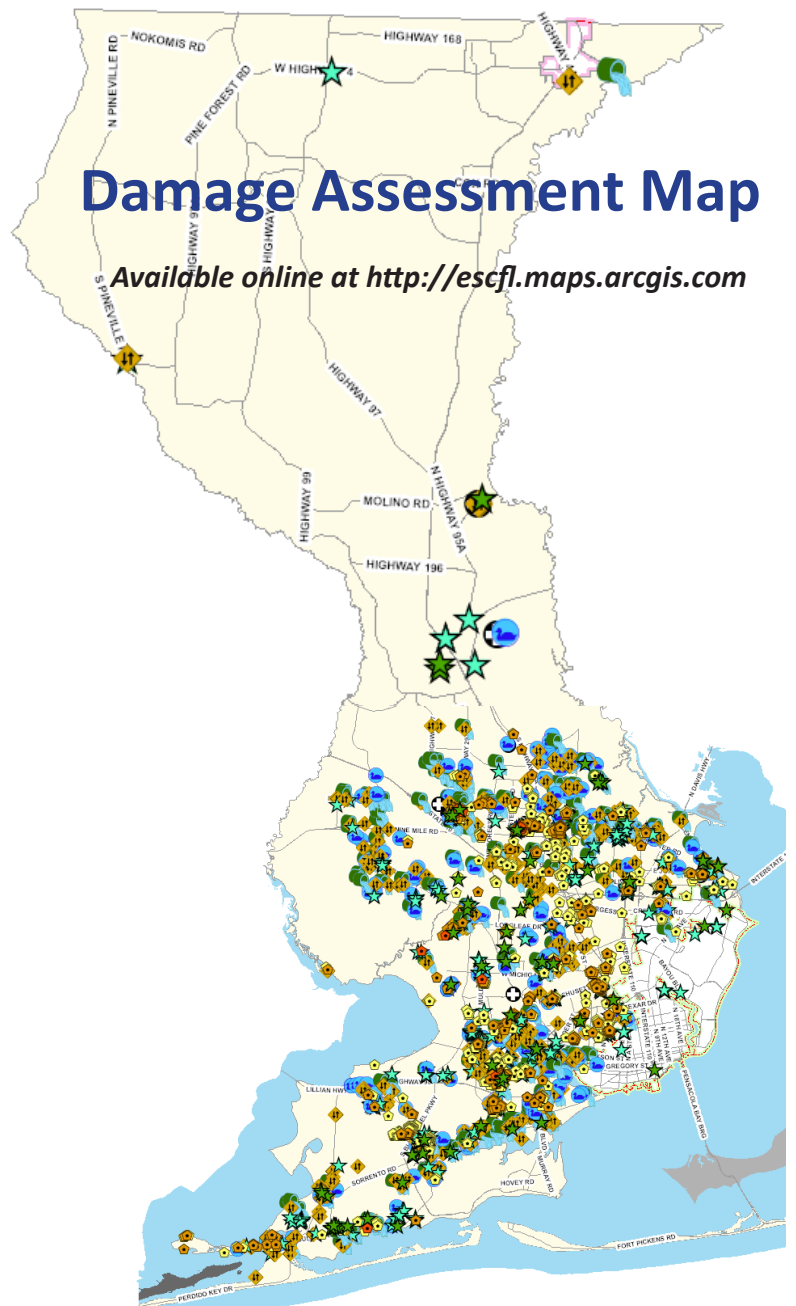
- Addison Drive (x2)
- East Johnson Avenue Culvert
- Ensley Ponds
- Johnson Avenue Culvert
- Olive Gully
- Olive Road at Gully
- Emergency Bridge Inspections & repair

District 5

18 projects completed totaling \$1.9 million

Project List

- Alysheba Drive
- Ashford-Turnberry Ponds (2)
- Chemstrand Road CR749
- Copper Forrest Drive & Man O-War
- CR297A at Ditches
- CR297A at Box Culvert
- Devine Farm Road
- Emergency Bridge Inspections & Repair
- Emergency Repairs
- Gonzalez Zone Ponds (12)
- Guidy Lane Bridge
- Hillview Drive East
- Meadowbrook
- Pavement Rehab – Rosedown
- Stillbrook Bridge Repair
- Tecumseh/ Clear Creek Farms
- Water Oaks
- Pavement Rehab – Basin Street/Creekside Court



Before & After Photos

District 1 - Constantine Drive



District 1 - Woodridge Manor



District 2 - Chanticleer Drive



District 2 - Seaglates North Road



District 3 - West Detroit



**April 2014 Flood Recovery
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Before & After Photos



District 3 - Newcastle Way



District 4 - East Johnson Avenue Culvert





District 4 - Olive Road at Gully

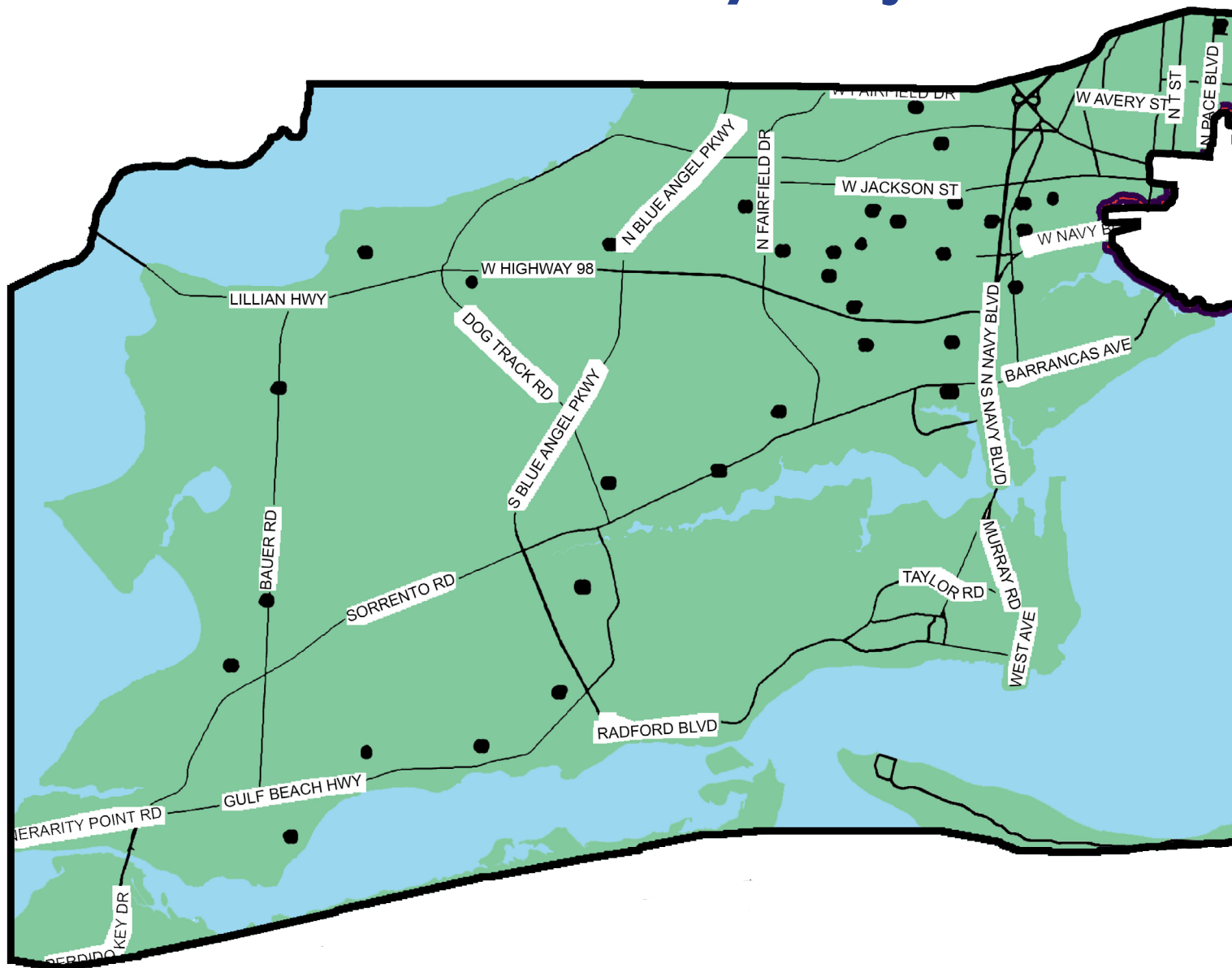


District 5 - Alysheba Drive

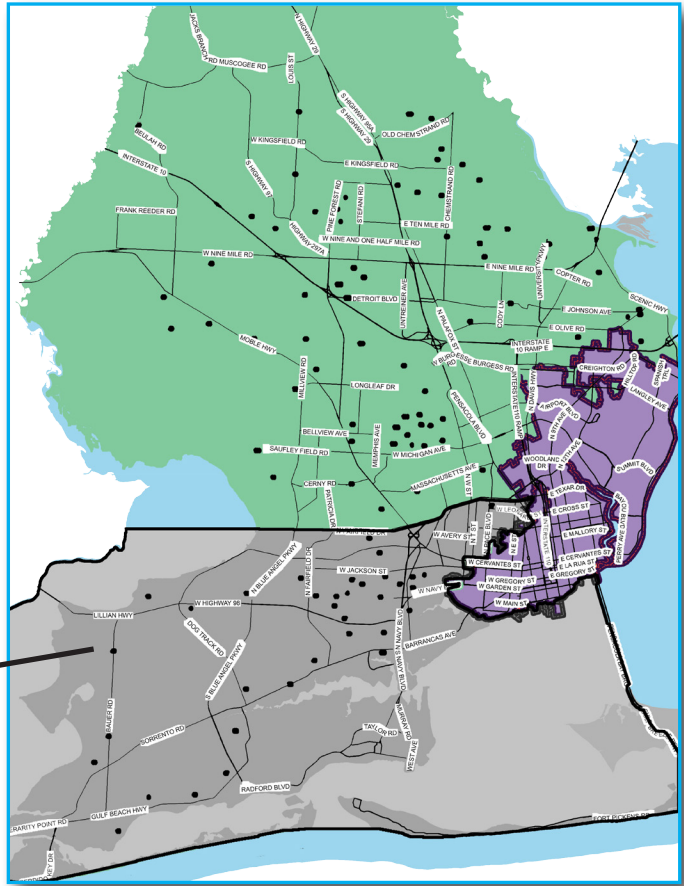
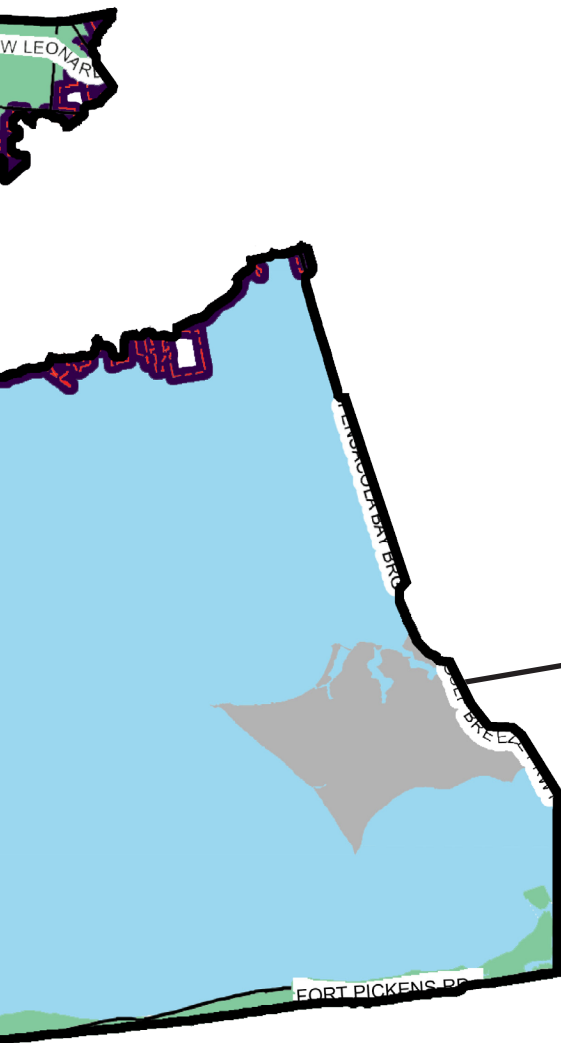
District 5 - Tecumseh/Clear Creek Farms



South Escambia County Projects



- 1 Crowne Pointe Road Repairs/Improvements - **Project Complete**
- 2 Millview Estates Pond Repairs/Improvements - **Project Complete**
- 3 South Bay Subdivision Road & Culvert Repairs/Improvements - **Anticipated Completion Date 2016**
- 4 North Crow Road Emergency Repair Road Repairs/ Improvements - **Project Complete**
- 5 Almax Court & North 52 Drainage Repairs/Improvements - **Anticipated Completion Date 2017**
- 6 Meadowbrook Drainage Repairs/Improvements - **Anticipated Completion Date 2016**
- 7 Myrtle Grove Athletic Park Field Restoration - **Project Complete**
- 8 Myrtle Grove Athletic Park Parking Lot Paving - **Project Complete**
- 9 Redwood Circle Culvert Repairs/Improvements - **Anticipated Completion Date 2016**
- 10 Old Corry Property Purchase - **Anticipated Completion Date 2016**
- 11 Hurd Lane/ Jackson Lakes Maintenance Yard Drainage Repairs/Improvements - **Anticipated Completion Date 2017**
- 12 Jackson Lakes Box Culvert Repairs/Improvements - **Project Complete**
- 13 Idlewood at Railroad Tracks Drainage Repairs/Improvements - **Anticipated Completion Date 2017**
- 14 Prieto Road Repair Culvert & Road Repairs/Improvements - **Anticipated Completion Date 2016**
- 15 Lake Charlene Road Reconstruction - **Project Complete**
- 16 Lake Charlene - Warrington Study - **Project Complete**



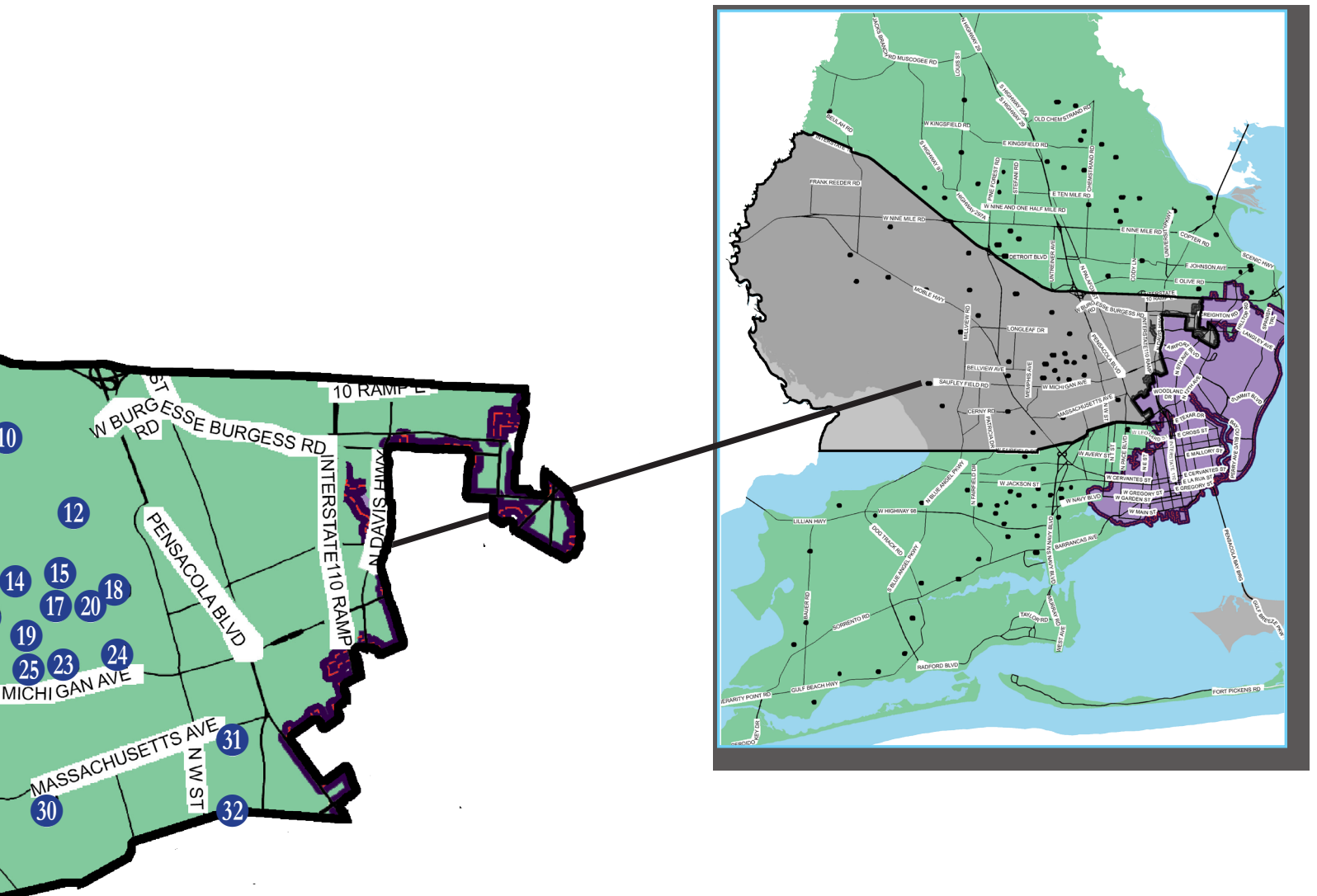
- 17 Quigley Road Drainage Repairs/ Improvements - **Project Complete**
- 18 Lake Charlene Ditch Paving - **Project Complete**
- 19 Templeton Road Repairs/Improvements - **Project Complete**
- 20 South Old Corry Field Road Temporary Bridge & Road Repairs/Improvements - **Project Complete**
- 21 Maggie's Ditch & Patton Lane Fence Repairs/Improvements - **Project Complete**
- 22 Jones Creek Erosion Repair - **Project Complete**
- 23 Winthrop West Road & Curb Repairs/Improvements - **Project Complete**
- 24 Atlanta & Augusta Bridges Repairs/Improvements - **Project Complete**
- 25 Dog Track Road Repairs/Improvements - **Project Complete**
- 26 Bauer at Judd Culvert & Road Repairs/Improvements - **Project Complete**
- 27 Laramie Drive Road & Pond Repairs/Improvements - **Project Complete**
- 28 Gulf Beach Highway Sidewalk Repairs/Improvements - **Anticipated Completion Date 2017**
- 29 Bauer at Weekley Drainage Repairs/Improvements - **Project Complete**
- 30 North Loop Road Culvert & Road Repairs/Improvements
- 31 Bay Oaks Drive Road Repairs/Improvements - **Project Complete**
- 32 Emerald Shores Pond Repairs/Improvements - **Project Complete**
- 33 Seaglades North Road Repairs/Improvements - **Project Complete**
- 34 Sanchez Lane Drainage Repairs/Improvements - **Project Complete**
- 35 Chanticleer Drive Culvert & Road Repairs/Improvements - **Project Complete**
- 36 Innerarity Point Road Sidewalk & Road Repairs/Improvements - **Project Complete**
- 37 Grande Lagoon Subdivision Drainage Evaluation - **Anticipated Completion Date 2016**

Central Escambia County Projects

- 1 Bell Ridge Pond Repairs/Improvements - **Project Complete**
- 2 Ferlon Avenue Road & Shoulder Repairs/Improvements - **Project Complete**
- 3 Wilde Lake Boulevard Culvert & Road Repairs/ Improvements - **Anticipated Completion Date 2017**
- 4 Beulah Helms Intersection Road Repairs/Improvements - **Project Complete**
- 5 Beulah School Road Repairs/Improvements - **Project Complete**
- 6 Chimney Pines Road & Pond Repairs/Improvements - **Project Complete**
- 7 Eight Mile Creek Road Drainage Repairs/Improvements - **Project Complete**
- 8 Viver Nell Drainage Repairs/Improvements - **Project Complete**
- 9 Crystal Creek Subdivision Pond Repairs/Improvements - **Project Complete**
- 10 Rolling Hills Road Culvert & Road Repairs/Improvements - **Project Complete**
- 11 Huntsville Avenue Drainage & Road Repairs/Improvements - **Project Complete**

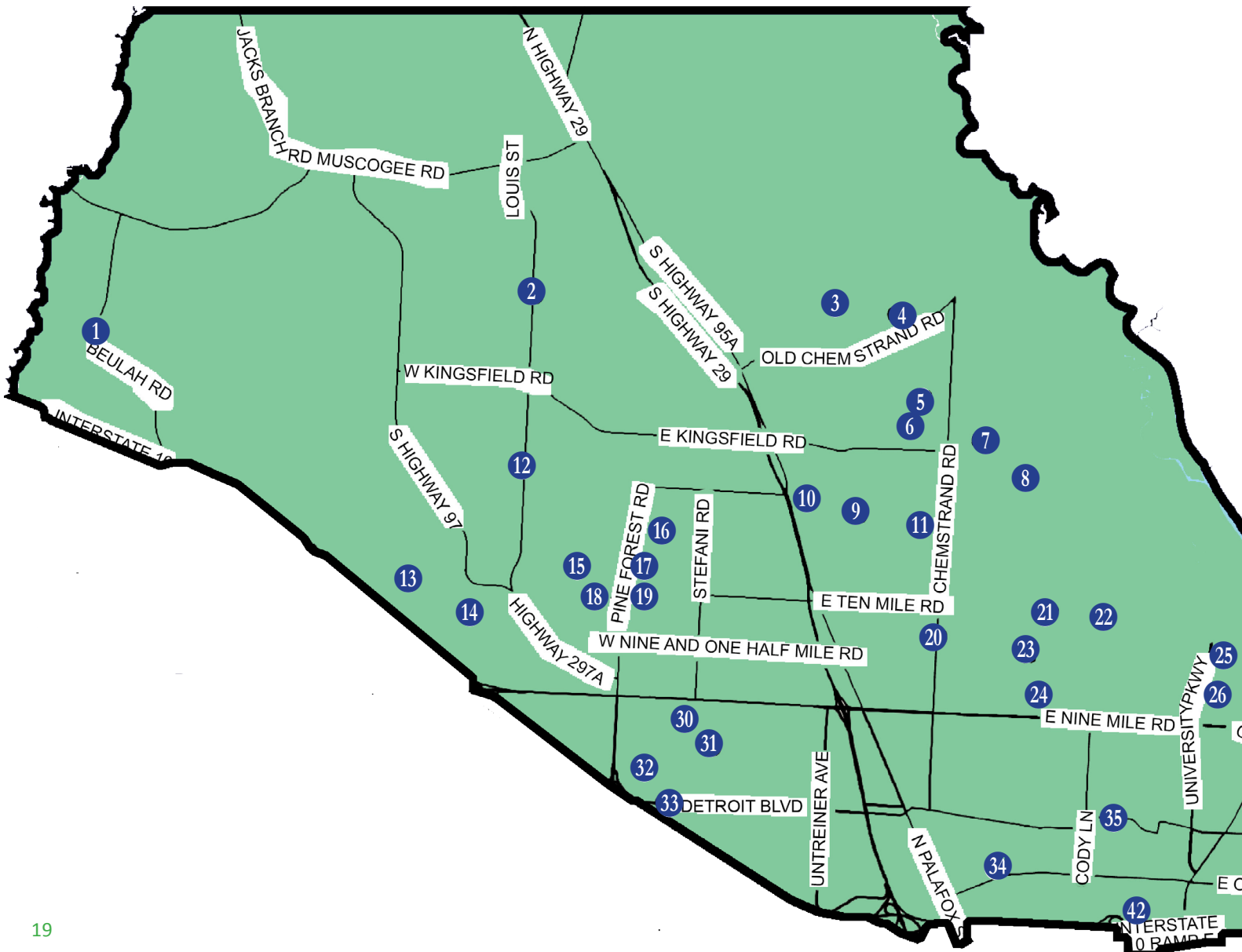


- 12 Bellview Zone Pond Repairs/Improvements - **Project Complete**
- 13 Galvin Avenue Curb & Road Repairs Improvements - **Project Complete**
- 14 Sedimentation Removal from Crescent Lake Right of Way - **Project Complete**
- 15 Constantine Drive/ High Point/ Pine Hollow & Marcus Pointe Pond & Repairs/Improvements - **Project Complete**
- 16 Sedimentation Removal from Crescent Lake Subdivision - **Project Complete**
- 17 Blue Springs Road & Pond Repairs/Improvements - **Project Complete**
- 18 Blue Springs Road Emergency Road Repairs - **Project Complete**
- 19 East Shore Drive Drainage Repairs/Improvements - **Anticipated Completion Date 2017**
- 20 Blue Springs at Clearwater Road Repairs/Improvements - **Project Complete**
- 21 Mers Lane Endwall Repairs/Improvements - **Project Complete**
- 22 Stormwater Outfalls Repairs/Improvements at Crescent Lake - **Anticipated Completion Date 2017**
- 23 Blue Springs Road Emergency Access Road Removal - **Project Complete**
- 24 Blue Springs Road Emergency Access Road Repairs - **Project Complete**
- 25 Crescent Lake Dam Repairs/Improvements - **Anticipated Completion Date 2016**
- 26 Saufley Pines Road Pipe & Road Repairs/Improvements - **Project Complete**
- 27 Shadow Grove Drainage Analysis - **Anticipated Completion Date 2017**
- 28 Martene Drive Drainage Repairs/Improvements - **Project Complete**
- 29 Brownsville Pond, Glynn Key & Talladega Pond Repairs/Improvements - **Project Complete**
- 30 Bridgedale Road Repairs/Improvements - **Project Complete**
- 31 Kelly Avenue Intersection Repairs/Improvements - **Project Complete**
- 32 Delano Drainage Repairs/Improvements - **Anticipated Completion Date 2016**

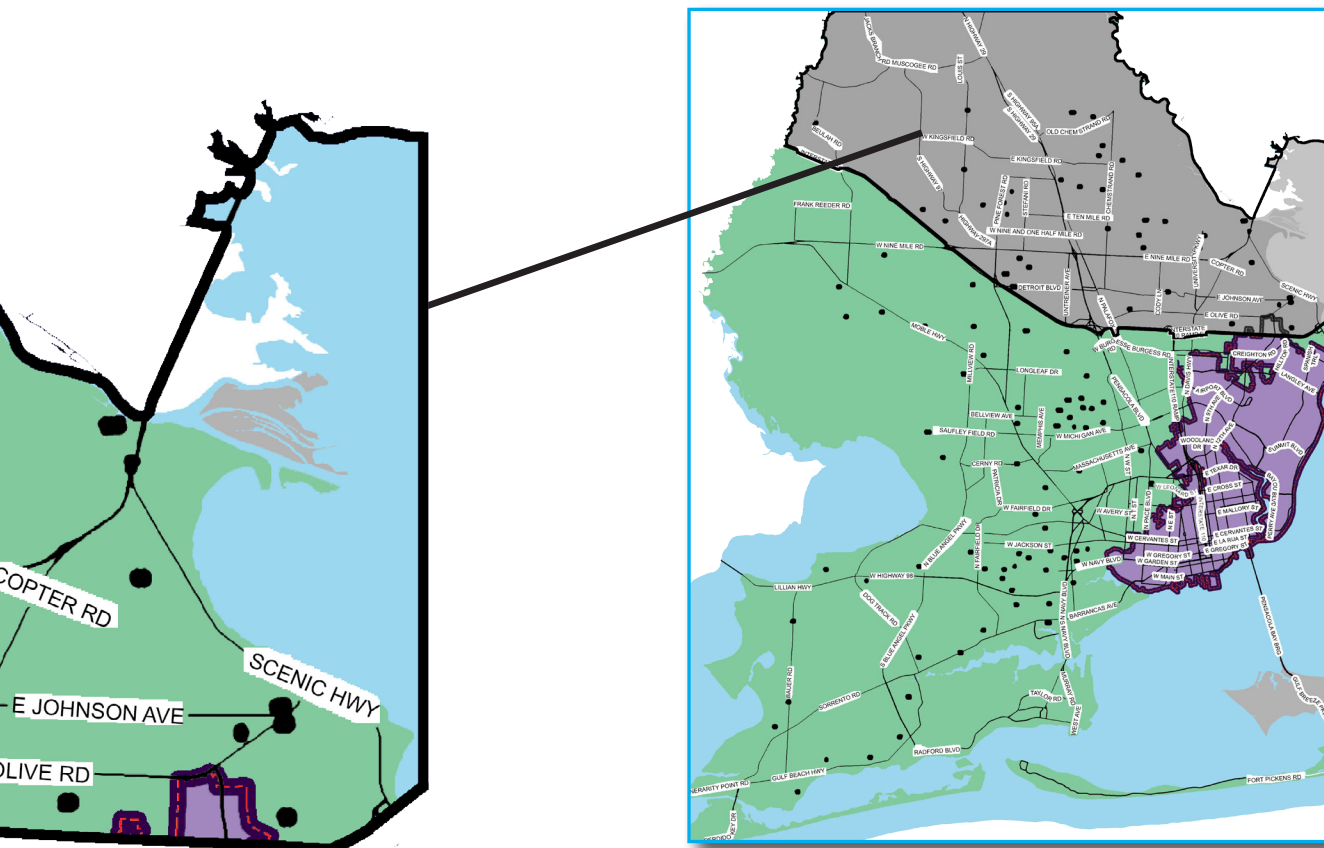


North Escambia County Projects

- 1 Beulah Road Resurfacing - **Project Complete**
- 2 CR 297A Box Culvert Repairs/Improvements - **Project Complete**
- 3 Gonzalez Zone Ponds Repairs/Improvements - **Project Complete**
- 4 Water Oaks Road & Culvert Repairs/Improvements - **Project Complete**
- 5 Rosedown Drive Repairs/Improvements - **Project Complete**
- 6 Ashford-Turnberry Ponds Repairs/Improvements - **Project Complete**
- 7 Magnolia Lakes Subdivision Pond & Road Repairs/Improvements - **Anticipated Completion Date 2016**
- 8 Tecumseh/Clear Creek Farms Road Improvements - **Project Complete**
- 9 Chemstrand Road Ditch & Road Repairs/Improvements - **Project Complete**
- 10 East Roberts Road Ditch & Road Repairs/Improvements - **Anticipated Completion Date 2016**
- 11 Calvin and Ronda Road Repairs/Improvement - **Anticipated Completion Date 2016**
- 12 CR 297A Ditch Rehab - **Project Complete**
- 13 Devine Farm Road Bridge Repairs/Improvements - **Project Complete**
- 14 Pond Construction for Bristol Creek, Bristol Park & Ashbury Hills - **Anticipated Completion Date 2016**
- 15 Copper Forest Drive & Man-O-War Drainage Repairs/ Improvements - **Project Complete**
- 16 Alysheba Drive Drainage Repairs/Improvements - **Project Complete**
- 17 Green Hills Road Drainage Repairs/Improvements - **Anticipated Completion Date 2017**



- 18 Alysheba Circle Drainage Repairs/Improvements - **Project Complete**
- 19 Ten Mile Creek East Structure Repair/Improvement - **Anticipated Completion Date 2016**
- 20 Chemstrand Road CR 749 Road Repairs/Improvements - **Project Complete**
- 21 Sugar Creek Fencing Repairs/Improvements - **Anticipated Completion Date 2016**
- 22 Greenbrier Bridge/Shoulder Repair - **Anticipated Completion Date 2016**
- 23 Guidy Lane Bridge Roadway & Drainage Improvements - **Project Complete**
- 24 Stillbrook Bridge Repairs/Improvements - **Project Complete**
- 25 Woodbridge Manor Culvert & Drainage Repair - **Project Complete**
- 26 Hillview Drive East Road Repairs/Improvements - **Project Complete**
- 27 Smith's Fish Camp Road Drainage Repairs/Improvements - **Anticipated Completion Date 2017**
- 28 Swampouse (North) Bridge Replacement - **Anticipated Completion Date 2017**
- 29 Addison Drive Drainage Repairs/Improvements - **Project Complete**
- 30 Newcastle Green Pit Pond Pipe Replacement - **Project Complete**
- 31 Newcastle Washout Damage Repair - **Project Complete**
- 32 Sparrow Lane Drainage Repairs/Improvement - **Project Complete**
- 33 West Detroit Boulevard Repairs/Improvements - **Project Complete**
- 34 Crystal Wells Outfall Pipe Repairs/Improvements - **Project Complete**
- 35 Bellview Zone Pond Repairs/ Improvements - **Anticipated Completion Date 2016**
- 36 Chimney Pines Road Repairs/Improvements - **Anticipated Completion Date 2016**
- 37 Gatewood Ditch Repairs/Improvements - **Anticipated Completion Date 2016**
- 38 Cypress Point & Glynn Broc Gully Ditch Repairs/Improvements - **Anticipated Completion Date 2016**
- 39 Olive Gully Drainage Repairs/Improvements - **Anticipated Completion Date 2016**
- 40 Olive Road Drainage Repairs/Improvements - **Project Complete**
- 41 Northpointe Circle Culvert Repairs/Improvements - **Anticipated Completion Date 2016**
- 42 Ensley Ponds Repairs/Improvements - **Project Complete**





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April 2014 Flood Recovery Two-Year Anniversary Report



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