



Storm Water Advisory Team – SWAT Meeting Minutes

January 6, 2015
4:05 PM

Attendees:

Staff: Jack Brown, Joy Blackmon, Colby Brown, Keith Wilkins, Derrik Owens

Committee: Mary Gutierrez, Garrett Walton, John Cheney, Dr. Elizabeth Benchley, Phil Turner, Glenn Niblock

Citizens: (See Sign-In Sheets)

- Welcome – Mary Gutierrez
 - Mary Gutierrez welcomed the SWAT members and citizens. All members introduced themselves and provided a brief background (sign in sheet attached).
- Meeting Properly Advertised – Proof of Publication dated December 27, 2014 and January 3, 2015
 - Welcome – Jack Brown greeted the citizens and reiterated the County's commitment to work with City staff regarding funding, Interlocal agreements, securing grant funding; and in spending tax dollars wisely. Mr. Brown requested the public's participation throughout this process.
- Overview / April 29, 2014 Storm Presentation – HDR, Inc / Allen Vinson
 - Allen Vinson gave an overview of the 40+ basins located in Escambia County. A 100 Year Storm Event was defined, as were area basins, and technical background. The County's Master Stormwater Plan was

covered and mapping of the April 2014 Event presented showing Damage Assessment of over 2300 sites and rainfall levels County wide. Specific areas of damage and the respective funding opportunities for each were discussed:

- Lake Charlene – Over 100 residents received damage; 19-21” of rainfall recorded.
- Crescent Lake – Over 40 residents were impacted; right-of-ways washed out; emergency repairs have been completed and reconstruction has begun.
- Pensacola Bay Basin – 16” – 18” of recorded rainfall in this area. Hazard Mitigation Grant Program opportunities of \$4,000,000 may be available for this area.
- Mr. Vinson advised citizens of the information available on the County’s website and gave instructions on how to view the Damage Assessment areas and related project information, funding and repairs.
- Break 4:19p.m. – 4:21 p.m.
- Public Forum 4:21 p.m. – 5:00 p.m.
 - Bill Trushel
 - Maintenance improvements are needed in existing stormwater drainage systems.
 - Mary Gutierrez
 - Drainage repairs and readiness for future events needs to be addressed.
 - Changes in stormwater development (Implementation of Low Impact Development) should be made.
 - Jack Brown
 - Called for citizens’ participation in notification of pond and drainage maintenance issues.
 - Denise Windham
 - Stated that Aragon Home Owners Association indicated their desire to participate and become involved in the improvements process.
 - Gary Huston
 - Requested that the Committee address City/County jurisdiction as related to funding.

- Submitted photos to the Chair of the inoperable stormwater retention system on South 9th Avenue (Old Admiral Mason Park) stating that ditches are always full and are not draining.
 - Suggested that Developers Incentives should be implemented.
- Jack Brown
 - Explained that FEMA approval is required on permanent repairs, FEMA does not reimburse. The County is making every effort to spend tax dollars wisely.
 - Asked Joy Blackmon to update the audience regarding property purchases for stormwater retention.
 - Joy Blackmon gave details on the following: Ponderosa Pond, Crescent Lake, Delano, Aragon, and Olive Road. Stating that drainage improvements made resulted in minor damage from the most recent rain events, specifically in Ferry Pass, Ensley, & Maplewoods (Hazard Mitigation Grant Program funded).
- Eric Olson
 - Reiterated that the City and County are committed to working together.
 - Requested citizens' involvement addressing needs, making priorities according to public feedback; and securing funding.
- Melanie Nichols
 - Pond on Palafox at Avery and Tarragona stays full and does not drain properly.
 - Maintenance needs improvement.
 - The Cervantes Street Bridge exceeded the stormwater cutoff and sand has since filled the drains.
- Derrik Owens
 - Addressed Long Hollow Pond issues:
 - The pond was formerly a borrow pit.
 - It is a wet facility and is under capacity.
 - A drainage study is underway and should be finalized in two weeks.
 - Requested that citizens contact him regarding maintenance concerns. (850) 435-1755 or Dispatch #311.
- Mary Gutierrez
 - Asked what could be done now.
 - Stated that Long Hollow is under a DEP permit.
- Joy Blackmon
 - Advised citizens to contact the County's Work Order Desk at (850) 494-5860.

- Sherri Myers
 - As District 2 City Council member, she inspects drainage issues after each rainfall event to identify problem stormwater areas, impassable streets, and commercial parking lots/restorations.
 - Suggests implementing incentives for restorations.
 - USEPA handbook provides information on commercial impervious to pervious parking conversions.
 - Suggests Pond Greening & Maintenance Improvements at Lanier Pond and others (Raising mower blades).
- Joy Blackmon
 - County will coordinate with City on maintenance improvements.
- Derrik Owens
 - Stated the City's Environmental Advisory Board revisions recently included increasing pond maintenance mower blade heights from 2"- 3" to 4" – 6".
- George Mead
 - Concentrate on larger issues.
 - Capital & Infrastructural Planning crossing City/County boundaries.
- Linda Austin
 - Reserve at Carpenter's Creek has trees in the creek and the banks are eroding 20' – 30' across several lots.
- Derrik Owens
 - Addressed Carpenter's Creek issues stating the Creek is under the jurisdiction of FDEP.
 - Carpenter's Creek has qualified for eligibility and has been placed on the Department of Agriculture's waiting list for their Bank Erosion Program.
- Garret Walton
 - Discussed funding cooperative efforts to secure all available funding. Priority aggressive efforts are needed.
 - Mr. Walton commended the City and County staff on working together.
- Barry Goodson
 - Priorities need to be set.
 - Developers need to do more to follow environmentally friendly procedures; using the environment to help stormwater management and not just asphalt and concrete.
- Jack Brown
 - Sustainable Urban Development is being addressed.

- Pervious pavement has been installed at Escambia County's Central Office Complex and Mahogany Mill Boat Ramp.
- Scheduling of Next Meeting
 - Next meeting scheduled for 10:30 a.m. Tuesday, February 3, 2015 at 221 Palafox Place, in the 4th Floor Training Room
 - Area of Discussion: Lake Charlene
 - Basin Study
 - Damage Assessment
 - Planned Improvements
 - Funding Options
- Adjourn
 - Mary Gutierrez made a motion to adjourn; the motion was seconded and carried unanimously.
 - Meeting adjourned at 5:15 p.m.
- Pensacola Bay Basin Report - Arcadis Staff 5:15p.m. – 5:55 p.m.
 - Joy Duperault and Kelli Thurson gave an informative twenty-minute presentation regarding areas of impact, engineering assessments and proposals, prioritized recommendations, solutions (pervious pavement, rain gardens and swales, etc.), suggestions for funding opportunities; and the basis for needed documentation for securing funding. A public input handout was distributed.

Published Daily-Pensacola, Escambia County, FL

PROOF OF PUBLICATION

State of Florida

County of Escambia:

Before the undersigned authority personally appeared **Anna Hammes** who, on oath, says that she is a personal representative of the Pensacola News Journal, a daily newspaper published in Escambia County, Florida; that the attached copy of advertisement, being a Legal in the matter of:

Meeting Schedule

Was published in said newspaper in the issue(s) of:

January 3, 2015

Affiant further says that the said Pensacola News Journal is a newspaper published in said Escambia County, Florida, and that the said newspaper has heretofore been published in said Escambia County, Florida, and has been entered as second class matter at the Post Office in said Escambia County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me this 5th day of January, 2015, by **Anna Hammes**, who is personally known to me.

Anna Hammes Affiant

[Signature] Notary Public

CHERYL MANISCALCO
Notary Public - State of Florida
Comm. Expires August 4, 2018
Comm. No. FF 147551

Board of County Commissioners - Escambia County, Florida				
Meeting Schedule				
January 5-January 9, 2015				
One or more of the Escambia County Commissioners may attend the following meetings:				
DAY	DATE	TIME	MEETING	LOCATION
Mon	01/05	4:00pm	RESTORE Advisory Committee	3363 West Park Place
Mon	01/05	6:30pm	Pita Operation Meeting	BCC Meeting Room
Tue	01/06	8:30am	Planning Board/Reforming Meeting	3363 West Park Place
Tue	01/06	1:30pm	Environmental Enforcement Special Magistrate Hearing	3363 West Park Place
Tue	01/06	4:00pm	Storm Water Advisory Team Meeting	201 East Gregory Street
Wed	01/07	8:30am	Contractor Competency Board Exam Committee	3363 West Park Place
Wed	01/07	9:00am	Contractor Competency Board Meeting & Public Hrgs.	3363 West Park Place
Wed	01/07	1:00pm	Development Review Committee	3363 West Park Place
Wed	01/07	5:30pm	Wedgewood Community Meeting Re: Borrow Pita	6405 Wagner Road
Thu	01/08	8:30am	Incident Review Board	221 Palafox Place, Rm 0201
Thu	01/08	9:00am	Board of County Commissioners Agenda Work Session	BCC Meeting Room
Thu	01/08	4:30pm	Board of County Commissioners Public Forum	BCC Meeting Room
Thu	01/08	5:30pm	Board of County Commissioners Public Hearings & Reports	BCC Meeting Room
Fri	01/09	8:30am	Visit Pensacola Destination 2020 Summit	201 East Zane Street
*Ermil Leo Magaña Government Building, 221 Palafox Place, First Floor				
**To View DRC Agenda go to: http://www.mvncscambia.com/government				
NEXT WEEK'S NOTE:				
Mon	01/12	1:30pm	Selection Committee (Director of Development Services)	221 Palafox Place, 4th Floor Training Rm
Mon	01/12	3:00pm	West Florida Regional Planning Council	198 North Wilson Street, Crestview
Mon	01/12	6:30pm	Marine Advisory Council (MAC)	3363 West Park Place
Tue	01/13	8:30am	Planning Board Meeting-Pita	3363 West Park Place
Tue	01/13	1:30pm	Environmental Enforcement Special Magistrate Meeting	3363 West Park Place
<p>Note: A copy of the agenda for the meetings initiated by the Board of County Commissioners containing specific items to be considered in the order of presentation may be obtained from the County Administrator's Office, Suite 420, Escambia County Government Complex, 221 Palafox Place, 395-4947, at least 72 hours in advance of the meeting. Those who are hearing or speech impaired may contact Mrs. Crowley via e-mail at Adm@mvncscambia.com. Any person who decides to appeal any decision made by any board, agency, or commission with respect to any matter considered at its meeting or hearing, will need a record of the proceedings of the meeting. Since the Board of County Commissioners does not make verbatim records of its meetings, such person may need to independently secure a record that should include the testimony or evidence on which the appeal is to be based. All Board of County Commissioners meetings are broadcast live and rebroadcast on ECTV, Digital Channel 51 on Cox Cable, BrightSource and Mediaset and the Regular Board of County Commissioners Meetings beginning at 5:30 p.m. are broadcast live on WUWF Channel 4. The meetings can also be seen live via the web at http://www.mvncscambia.com.</p>				
What's on ECTV at www.mvncscambia.com				



StormWater Advisory Team – SWAT

Sign-in Sheet

January 6, 2015

Name	Signature
Mike Whitehead	ABSENT
Mary Gutierrez	Mary Gutierrez
Garrett Walton	Garrett Walton
John Cheney	John Cheney
Dr. Elizabeth Benchley	Elizabeth Benchley
Phil Turner	Phil Turner
Glenn Niblock	Glenn C. Niblock
Jack Brown	ATTENDED - DID NOT SIGN-IN
Joy Blackmon	ATTENDED - DID NOT SIGN-IN
Colby Brown	Colby Brown
Keith Wilkins	Keith Wilkins



Storm Water Advisory Team – SWAT

Sign-in Sheet

January 6, 2015

Name

Signature

Phone #/Email Address

Jennifer Fleming

Jennifer Fleming

flemingjr@bellsouth.net

Ed CARSON

Ed Carson

EDCARSON@CARSONWORKS.COM

Jeff Helms

Jeff Helms

jeff.helms@att.net

HUGA EOTUNWA

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TURCHI

FRANKIE MARIE

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Glenn & Judy Niblock

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Christian Wagley

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CLYDE E. AD

Clyde E. Ad

850-261-4724

TIM HAAG

Tim Haag

969-3300

tim.haag@ecva.fl.gov



VISITORS

Storm Water Advisory Team – SWAT

Sign-in Sheet

January 6, 2015

Name	Signature	Phone #/Email Address
Bree Windham		850-982-3833 johnfwindham@gmail.com
John McWilliams		419-310-7908 jmcwilliams76@gmail.com
RH Wilson		b-bxw@cox.net 850-305-1502
Mary Jane Craven		MARYJ50434@gmail.com
Kelli Thurson		kelli.thurson@arcadis-us.com
Joy Duperault		Joy.duperault@arcadis-us.com
Derrick Owens		downsecityofpensacola.com
Robert Wood		698 0143 wawndt1@gmail.com
Mike Beault		mbeault@waterfrontmission.com
Devin Simmons		devinksimmons@gmail.com
Robert Montgomery		robert@montgomeryrealtors.com 850.574.2792
Bob McLachlan		McLACHLAN@311ADL.com



VISITORS

Storm Water Advisory Team – SWAT

Sign-in Sheet

January 6, 2015

Name	Signature	Phone #/Email Address
Suzanne Zukaski		
Milce Sheehan		
Sheri Myers		(850) 484-0902 5PMADA@aol.com
Rob Johnson		850 825 - 5919
Bill TRUSHEL		534-1387
MaryEllen Huston		469-8829
Eric Olson		olson@cityofpensacola.com 595-3419
CHRIS CURB		Cacurb@myescambia.com
Traci Goodhart		traci.goodhart@envtrpc.org
Rhela McLay		rhela_rancon@myesc...
Denise Windham		denisemwindham@gmail.com
MICHELLE MACHIEL		mm@architecturalaffairs.com



Board of County Commissioners • Escambia County, Florida

Jack R. Brown
County Administrator

STORM-WATER ADVISORY TEAM (SWAT) MEETING

Pensacola Bay Center

Tuesday, January 6, 2015

4:00 p.m.

Speaking Request

Print Clearly

(Note: Each speaker will be allowed three minutes.)

NAME: BILL TRUSHEL PHONE: 486-1057
ADDRESS: 7786 GRUNDY ST 32507
SUBJECT: MAINTENANCE OF EXISTING DRAINS



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Jack R. Brown
County Administrator

STORM-WATER ADVISORY TEAM (SWAT) MEETING

Pensacola Bay Center

Tuesday, January 6, 2015
4:00 p.m.

Speaking Request
Print Clearly

(Note: Each speaker will be allowed three minutes.)

NAME: Denise Windham PHONE: (850) 516-7230
ADDRESS: 562 E. Romana St
SUBJECT: Flood - Stormwater Management



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Jack R. Brown
County Administrator

STORM-WATER ADVISORY TEAM (SWAT) MEETING

Pensacola Bay Center

Tuesday, January 6, 2015
4:00 p.m.

Speaking Request
Print Clearly

(Note: Each speaker will be allowed three minutes.)

NAME: Gary Huston PHONE: 434-9200
ADDRESS: 536 E. Romana St. 32502
SUBJECT: Flooding



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Jack R. Brown
County Administrator

STORM-WATER ADVISORY TEAM (SWAT) MEETING

Pensacola Bay Center

Tuesday, January 6, 2015
4:00 p.m.

Speaking Request
Print Clearly

(Note: Each speaker will be allowed three minutes.)

NAME: Melanie Nichols PHONE: 221-1586
ADDRESS: H E. Gonzalez St.
SUBJECT: Stormwater Retention pond at Avery & Palafox



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Jack R. Brown
County Administrator

STORM-WATER ADVISORY TEAM (SWAT) MEETING

Pensacola Bay Center

Tuesday, January 6, 2015
4:00 p.m.

Speaking Request
Print Clearly

(Note: Each speaker will be allowed three minutes.)

NAME: Sherri Myers PHONE: (850) 484-0902
ADDRESS: 526 Parker Dr -
SUBJECT: Storm water



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Jack R. Brown
County Administrator

STORM-WATER ADVISORY TEAM (SWAT) MEETING

Pensacola Bay Center

Tuesday, January 6, 2015
4:00 p.m.

Speaking Request
Print Clearly

(Note: Each speaker will be allowed three minutes.)

NAME: GEORGE R. MEAD PHONE: 434-3541
ADDRESS: 1005 N. Pens St.
SUBJECT: DAMAGE Report / STUDIES / SOLUTION



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Jack R. Brown
County Administrator

STORM-WATER ADVISORY TEAM (SWAT) MEETING

Pensacola Bay Center

Tuesday, January 6, 2015
4:00 p.m.

Speaking Request
Print Clearly

(Note: Each speaker will be allowed three minutes.)

NAME: Lynda Austin PHONE: 712-5749
ADDRESS: 5935 Creek Side Circle
SUBJECT: Carpenter's Creek

Neighborhood Flood Mitigation Workshop

January 6, 2015

Part I: Presentation Notes

As these mitigation measures are presented, please jot down any notes you'd like about the different project types.

- Detention or retention ponds: Ponds that serve to capture stormwater overflow until the water evaporates, soaks into the ground, or flows to another location
- Culverts: Concrete underground drainage systems used to move large amounts of stormwater runoff quickly
- Channelizing: Allows stream or stormwater runoff to be exposed
- Stream restoration/ stabilization: Manipulated but open streams in urban or semi-urban areas. This option is typically more natural-looking than channelizing.
- Rain gardens & swales: Natural areas proximate to large impervious surfaces that allow rain water and stormwater runoff to accumulate and soak into the ground. Usually lined with native plants
- Parking lot run-off solutions: May be implemented by both private and public property owners.

- Pervious surfaces: Allow for water to filtrate through “hardscape” such as parking lots and streets.
- Open space/dry use areas: Open public areas, such as parks, that are meant to hold water accumulation during rain events
- Chain of parks: Incorporates several open space/dry use areas to create a man-made floodway that also promotes community resiliency
- Elevation & floodproofing: Serves to protect individual structures from flooding, usually providing protection against the 100-year base flood
- Flood barriers: Includes temporary or permanent measures such as sandbags and flood walls
- Flow control: Helps minimize flooding by slowing outflow of above ground creeks or streams

Part II Small Group Discussion

Neighborhood _____

Which types of flood mitigation projects appeal to you? Why?

Are there places in the community where you feel that one particular type of project would be preferable? Please give specifics.

Are there any project types that you feel would not be good options? Why not?

Think of a place where flooding has been a personal inconvenience for you. Please describe the location and check any of the items below that apply to this flooding:

Location Description*:

- ☐ Water builds up in the street
- ☐ Water accumulates on private property such as in a yard or driveway
- ☐ Water flows into a structure such as a garage or lanai area
- ☐ Water floods my home or business
- ☐ The flooding prohibits free flow of traffic on a street
- ☐ The flooding prevents free flow of traffic at an intersection
- ☐ The flooding fills a public area such as a park or parking lot
- ☐ Other _____

(*Please use reverse side if necessary.)

Storm Water Advisory Team

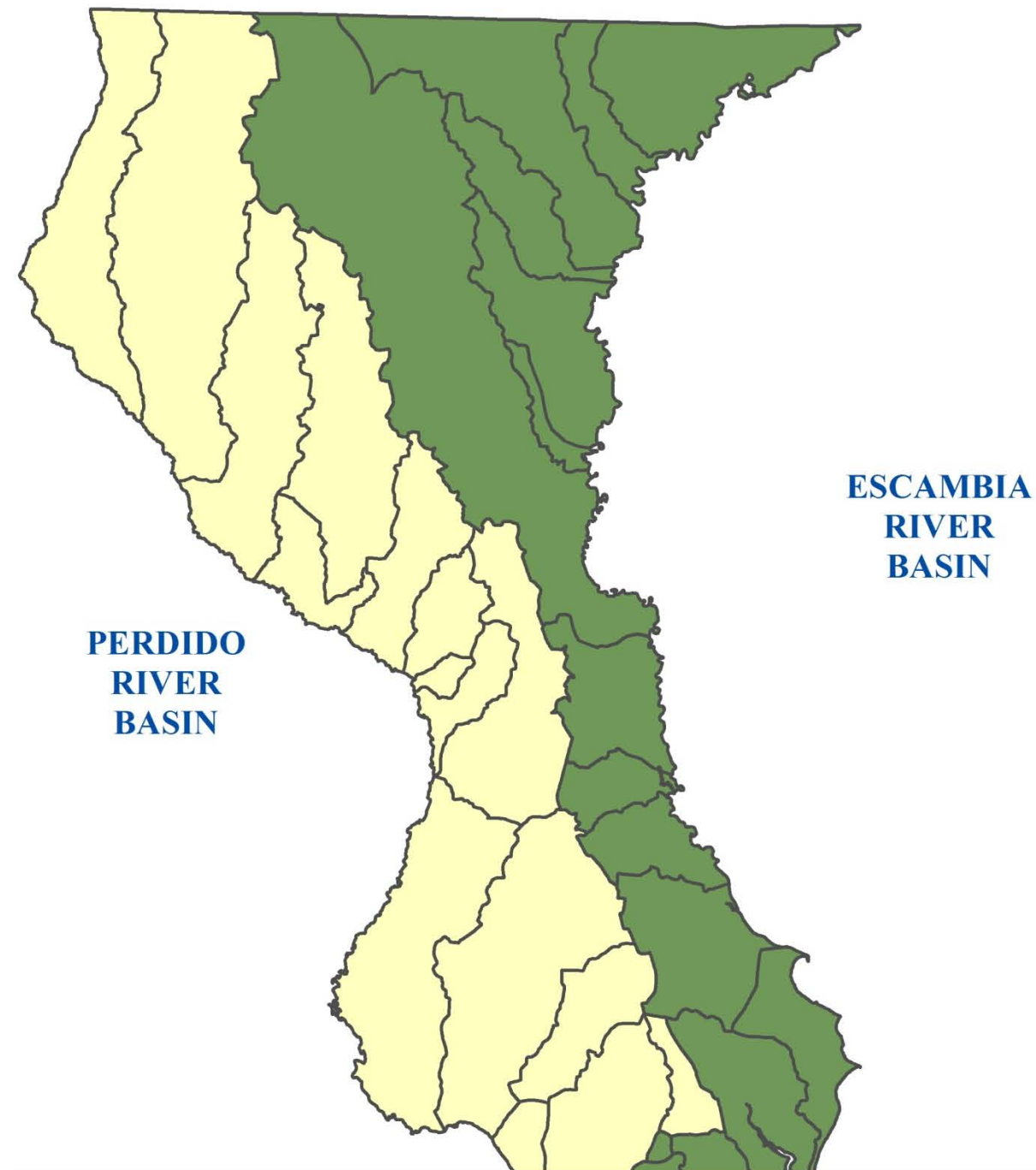
Escambia County, FL
January 6, 2015

Overview of Basin Studies



Escambia County Engineering

Joy D. Blackmon, P.E.



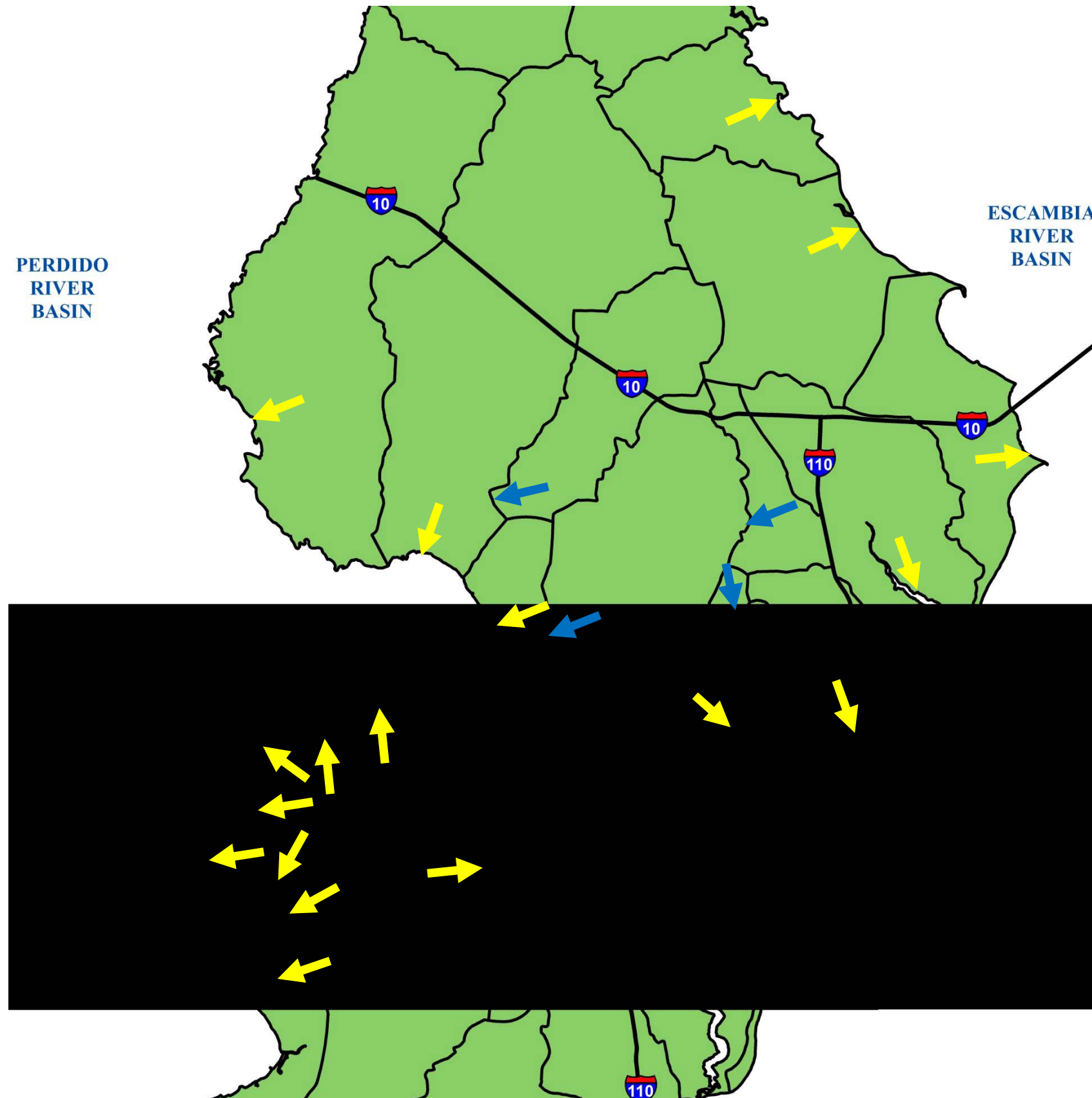
ESCAMBIA COUNTY

- County divided into two primary watersheds
- Watersheds subdivided into 40 drainage basins

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Escambia County, FL
January 6, 2015

Overview of Basin Studies

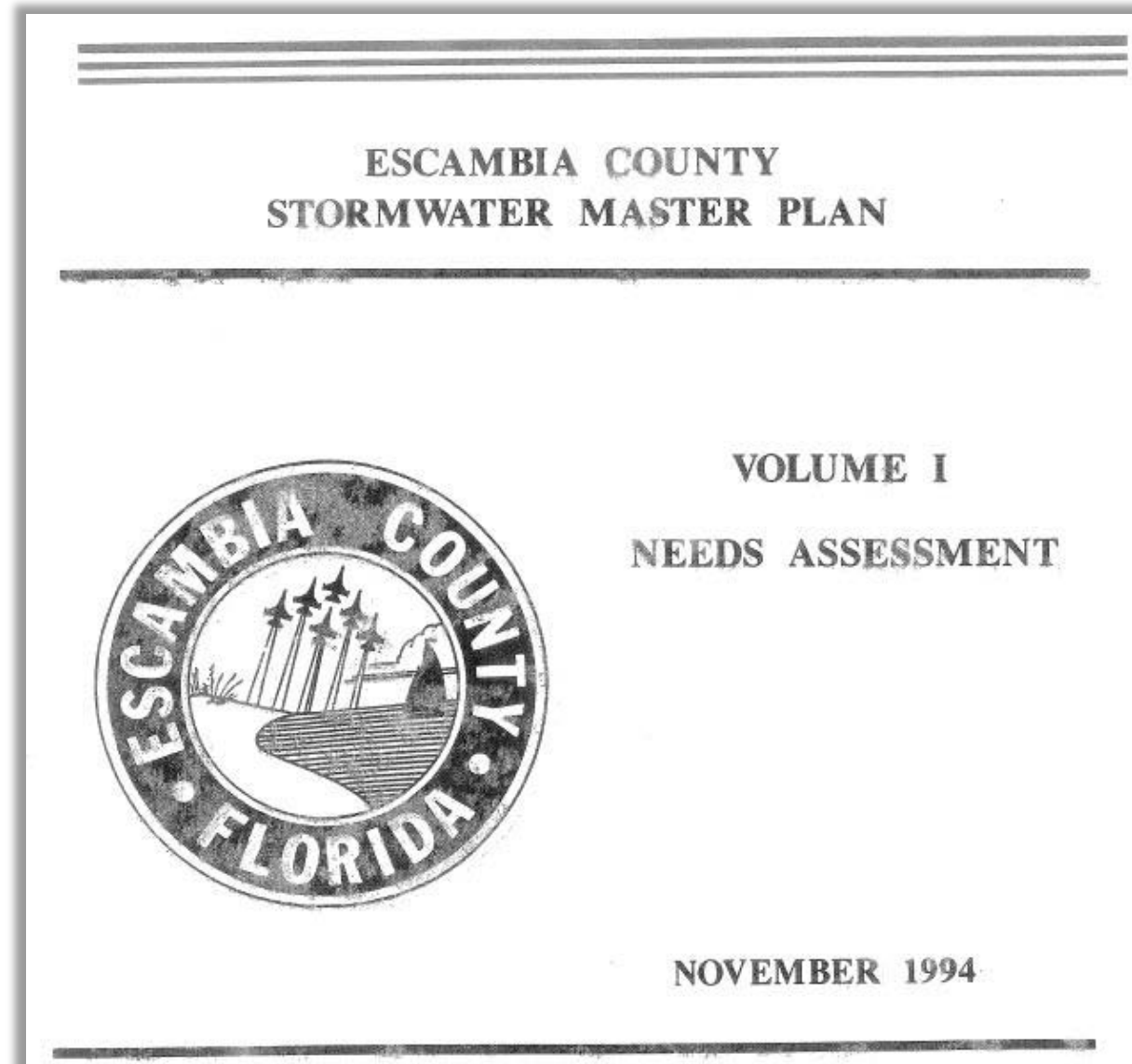


- Drainage basins are primarily independent in function
- Basins are typically divided from one another by topographic features such as ridges
- Arrows indicate areas where basins outfall

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Escambia County, FL
January 6, 2015

Master Stormwater Plan



ESCAMBIA COUNTY

- Master Drainage Study initialized County-wide in 1990's
- Addressed specific locations of concern
- Basis for detailed basin study needs moving forward

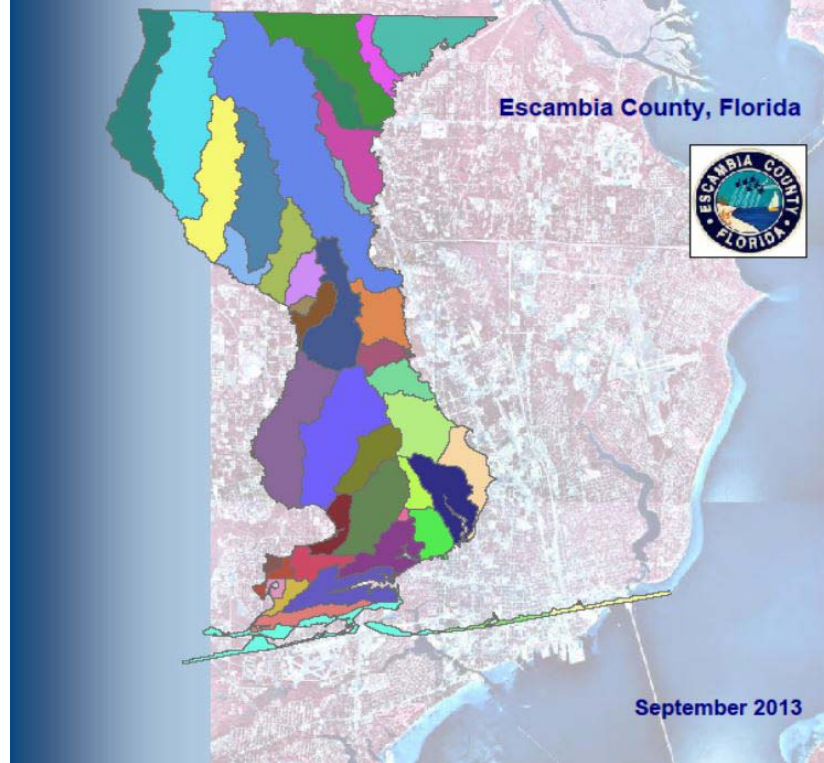
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Escambia County, FL
January 6, 2015

Master Stormwater Plan



Basin Study Guidelines and Specifications



Basin Name	Completed	Basin Name	Completed
Alligator Creek		Bayou Grande	2008
Bayou Marcus Creek	2007	Beverly Parkway	2003
Boggy Creek		Bowman Creek	
Bridge Creek Herron Bayou	2007	Bronson Field	2008
Brushy Creek		Canoe Creek	
Carpenters Creek		Century	
Catholic High School	2003	Churchhouse Branch	
Cotton Creek		Cowdevil Creek	
Eight Mile Creek	1994	Eleven Mile Creek	'94, '99, '08
Escambia Bay		Fletcher Creek	
Garcon Swamp	CIP list	Jacks Branch	2011
McDavid Creek		Millview	2007
Mitchell Creek		Paradise Beach	2008
Penasula Creek		Pensacola Bay	2007
Williams Creek	2007	Perdido River North	
Perdido River South	2009	Pine Barren Creek	
Pritchett Mill Branch		Rock Creek	
Sandy Creek Weekley Bayou	2008	Scenic Hills	1994
Southwest Side	CIP list	Spanish Mill Creek	
Tarkiln Bayou	2008	Warrington	2007

ESCAMBIA COUNTY

- County published Basin Study Guidelines for consistency
- 18 basin studies performed to date
- Millions spent to date on study recommendations
- Other studies planned
- Study priority based on populated areas
- Studies analyze several storm events including the 100 year event

Storm Water Advisory Team

Escambia County, FL
January 6, 2015

Technical Background



Event	Probability in any given year	Percent Chance in any given year
10 year	1 in 10	10%
25 year	1 in 25	4%
100 year	1 in 100	1%
500 year	1 in 500	0.2%

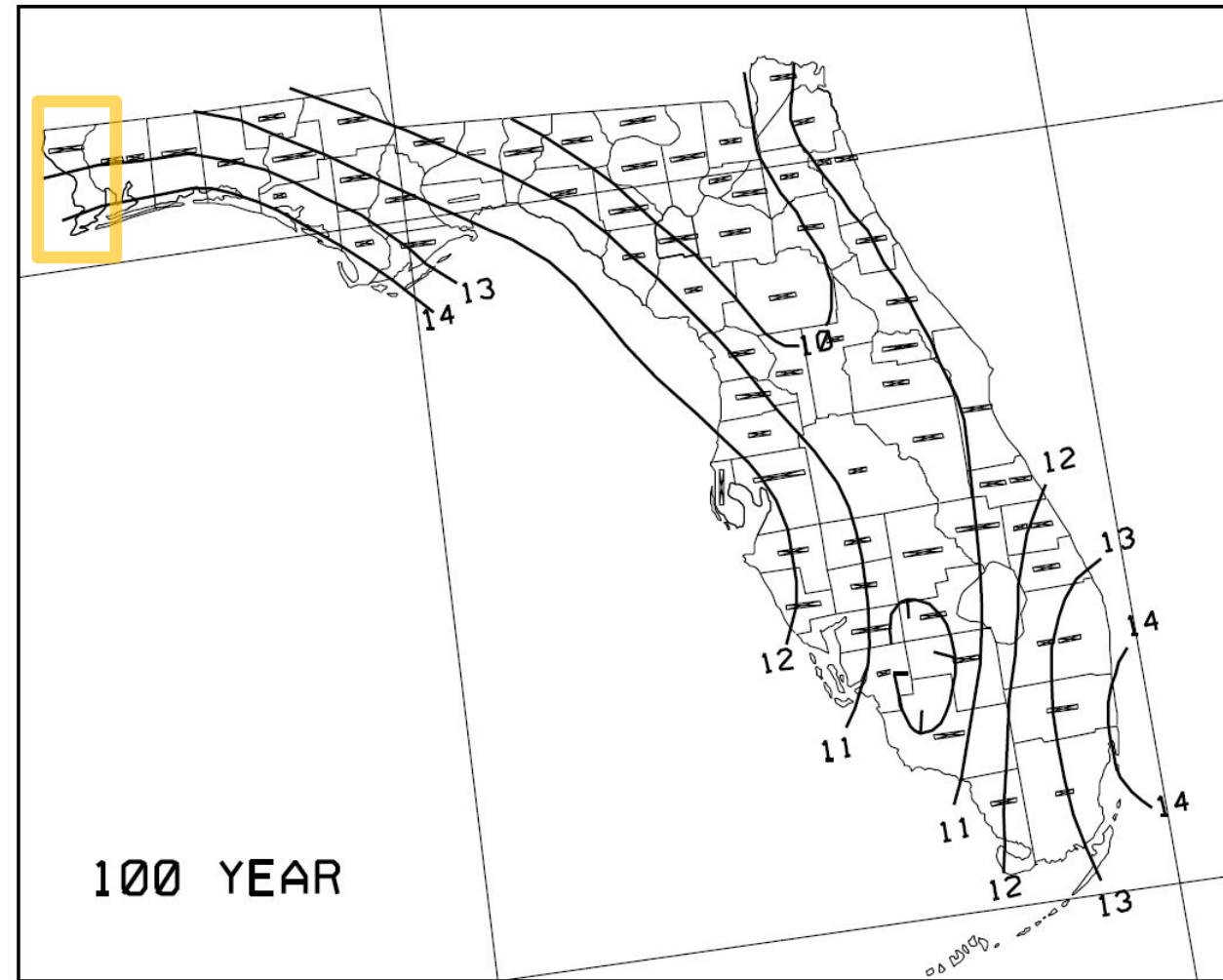
So what is a 100 year storm?

- A 100 year storm is a storm event that has a 1% chance of occurring in any given year
- The resulting stormwater produced by a numerical event is specific to a region; for instance the Pensacola area is different from Atlanta

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Escambia County, FL
January 6, 2015

Technical Background



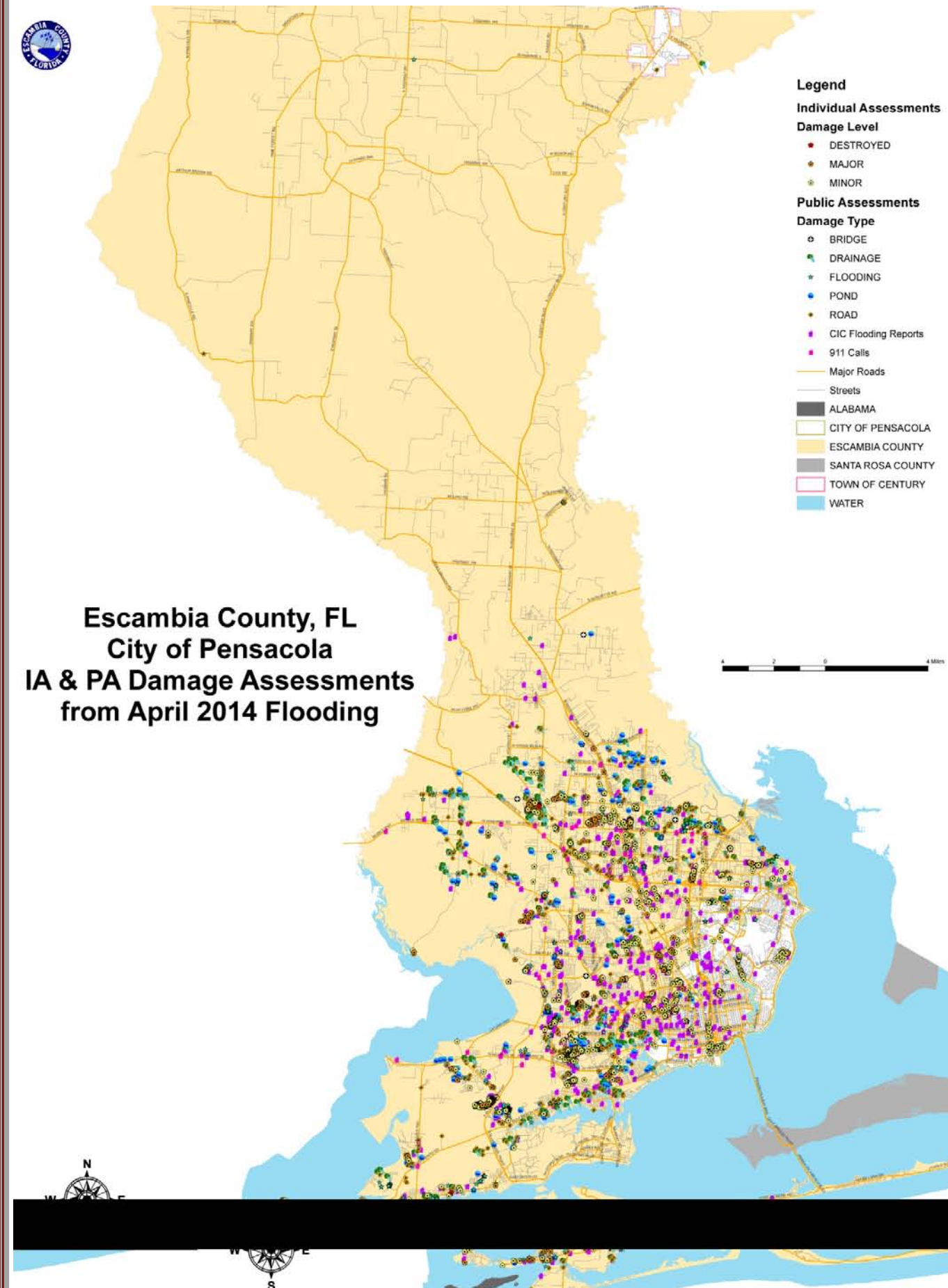
So what is a 100 year storm?

- As illustrated in the figure produced by FDOT, Escambia County could expect a different amount of rainfall for a 100 year event than other parts of the state.
- The IDF curves for this area show that the amount rainfall during a 100 year event over 24 varies from 13-14 inches

Storm Water Advisory Team

Escambia County, FL
January 6, 2015

Mapping of April Event & the Damage Assessment



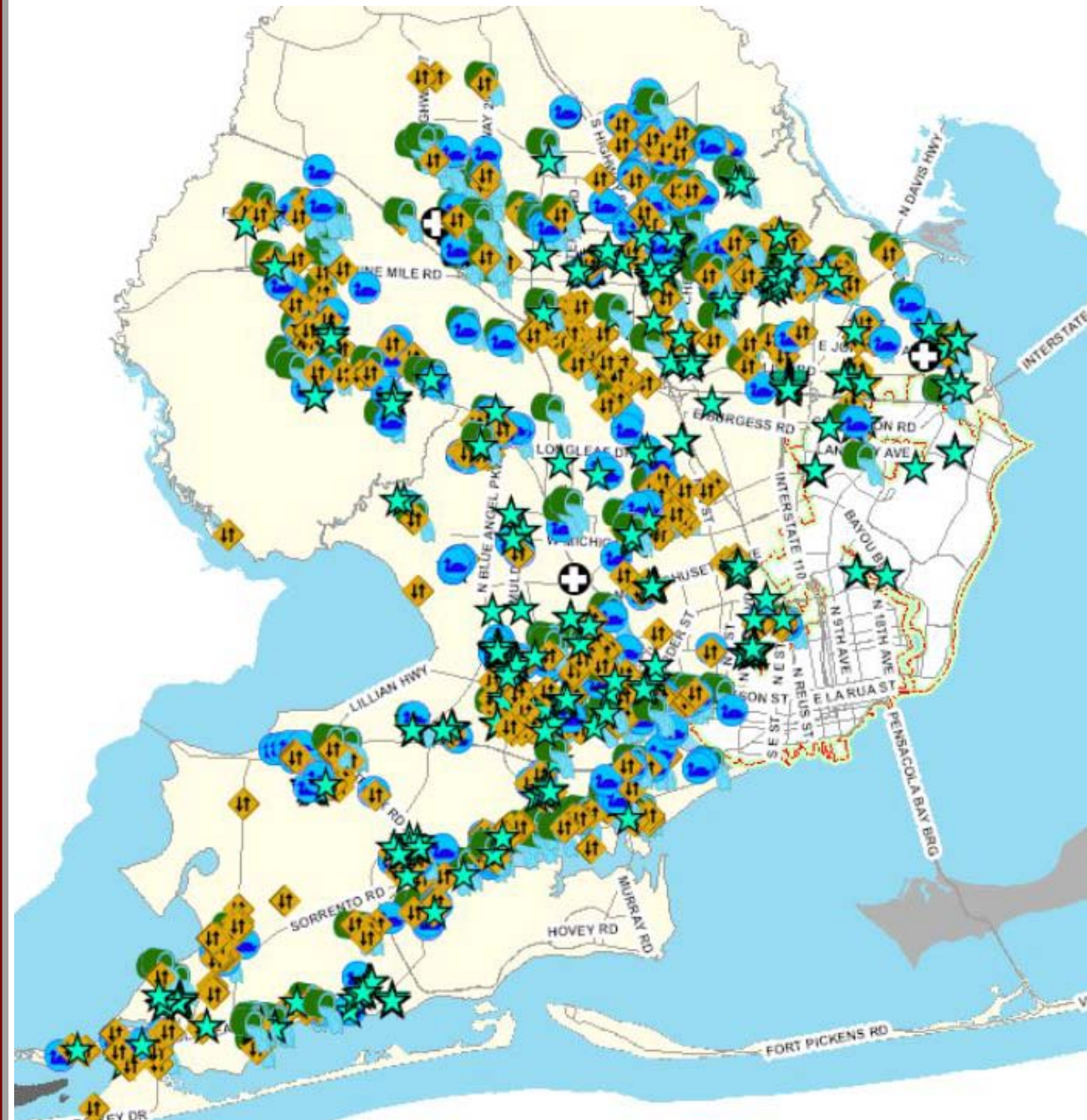
ESCAMBIA COUNTY

- 2,318 infrastructure damage sites identified by County teams.
- Additionally, 100's of private property flooding sites identified
- Infrastructure sites divided into Roadway, Drainage, Ponds, and Flooded Areas

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Escambia County, FL
January 6, 2015

Mapping of April Event & the Damage Assessment



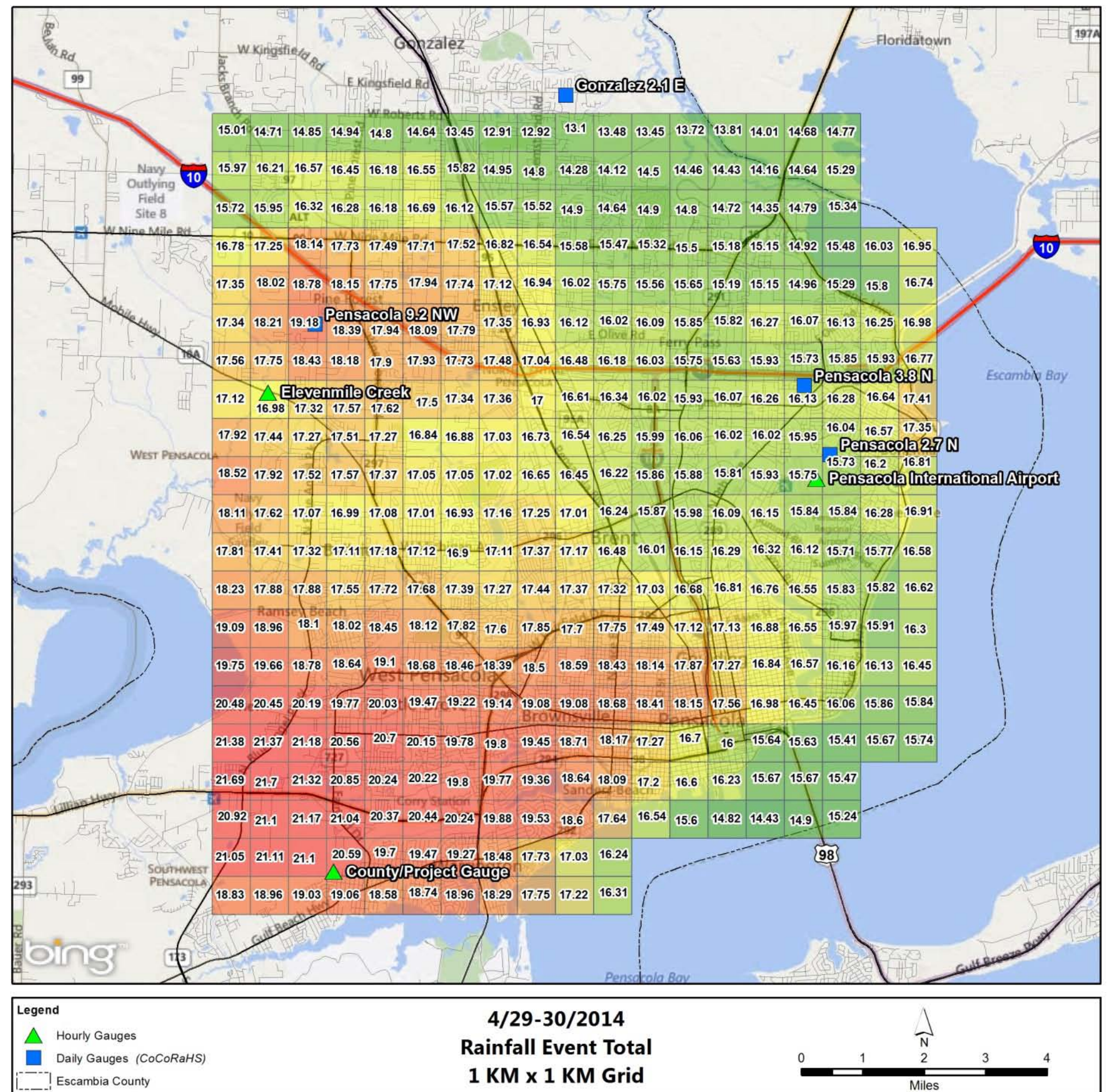
ESCAMBIA COUNTY

- Majority of sites located south of Muscogee Road
- County storm event recreation was performed which shows a grid of 24 hour rainfall totals on following slides
- Totals range from 12-22 inches over southern Escambia County

Storm Water Advisory Team

Escambia County, FL
January 6, 2015

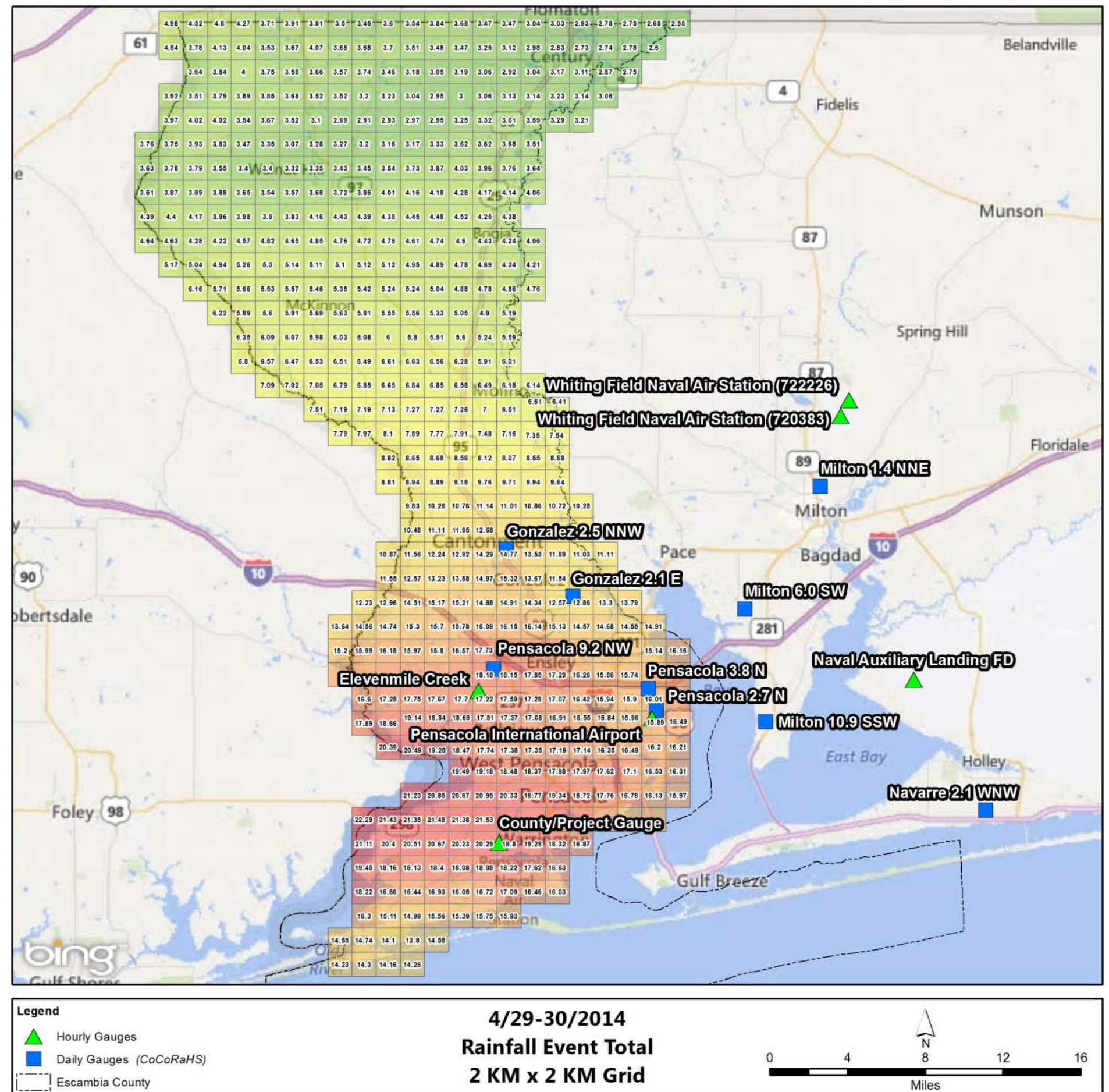
Mapping of April Event & the Damage Assessment



Storm Water Advisory Team

Escambia County, FL
January 6, 2015

Mapping of April Event & the Damage Assessment



Storm Water Advisory Team

Escambia County, FL
January 6, 2015

Areas of Damage



LAKE CHARLENE AREA

- Located west of Navy Blvd and north of US 98
- More than 100 properties flooded
- 19-21 inches of Rainfall over 24 hours in contributing area
- Drainage Study underway
- Applied for nearly \$2million in HMGP funds for improvements

Storm Water Advisory Team

Escambia County, FL
January 6, 2015

Areas of Damage



CRESCENT LAKE AREA

- Located west of W Street and north of Michigan Avenue
- More than 40 properties with flooding or access issues; Crescent Lake Dam destroyed
- 16-18 inches of Rainfall over 24 hours in contributing area
- Emergency repairs to restore property access
- Drainage Study and infrastructure reconstruction underway

Storm Water Advisory Team

Escambia County, FL
January 6, 2015

Areas of Damage



DELANO AREA OF PENSACOLA BAY BASIN

- Areas within and around Leonard Street, Pace Boulevard, & Palafox Street
- Several public & private properties flooded including Sherriff Complex, Town & Country, Escambia COC, ECAT, & Waterfront Rescue Mission
- 16-18 inches of Rainfall over 24 hours in contributing area
- County performed Drainage Study & applied for over \$4.4million in HMGP funding



Storm Water Advisory Team

Escambia County, FL
January 6, 2015

Areas of Damage



ESCAMBIA COUNTY STATUS

Damage Inventory/Projects

- Over 80% of original 2,318 damage sites addressed or repaired
- Remainder of damages are under design or repair.
- Over 100 County projects seeking FEMA reimbursement
- 22 County projects seeking FHWA reimbursement
- 9 County projects seeking NRCS reimbursement
- Over 80 additional flooded areas were identified that do not qualify for FEMA-PA, FHWA, or NRCS funding; County is working on funding solutions including LOST

Additional Efforts

- Over 200 Flooding Questionnaires returned from public
- Project updates, Flooding Questionnaires, and damage maps located in County Website

Storm Water Advisory Team

Escambia County, FL
January 6, 2015

Web Site



WEB LINKS FOR ADDITIONAL INFORMATION

April Storm Damage Updates:

<http://myescambia.com/beready/news/public-works-department-april-storm-damage-recovery-update>

Note - At this website you will find links to the following:

- Brief Flooding Survey
- Detailed Flooding Questionnaire
- Interactive Map of Damages

S.W.A.T. Agendas, Presentations, & Information:

(webpage under construction)

Disaster Educational Information:

- <http://www.floridadisaster.org/Recovery/PublicAssistance/Index.htm>
- <https://www.fema.gov/disaster/4177>
- <http://www.fhwa.dot.gov/fldiv/erpfaq.cfm>
- <http://www.nrcs.usda.gov/wps/portal/nrcs/main/fl/programs/financial/ewp/>
- <http://water.usgs.gov/edu/100yearflood.html>

Storm Water Advisory Team

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January 6, 2015

Public Comment



PUBLIC COMMENT PERIOD