

Pasco County

Watershed Meeting for Flood Impacted Areas

Anclote East Watershed

September 21, 2015 – County Board Room, Pasco County

The following is a summary of the Anclote East Watershed meeting held on September 21, 2015. A copy of the PowerPoint presentation will accompany this summary.

Arrival, Sign-In, Greetings, and Introductions

Ms. Michele Baker (Pasco County Administrator) welcomed the group. Ms. Baker noted that additional information was available and maps were on display at the sign-in table. Commissioner Kathryn Starkey (District 3) addressed attendees to convey her concerns for the residents. Ms. Starkey noted the County was receiving support from Senators and Congressmen and that the County continues to work with the Southwest Florida Water Management District (SWFWMD) as the team works toward finding solutions. Ms. Baker noted that key members of County staff would be speaking as part of the PowerPoint presentation provided during the meeting and that Mr. JP Marchand from the SWFWMD was also in attendance to help answer questions. The County continues to follow-up on the comment cards received during the previous watershed meetings and welcomes everyone's input. Commissioner Jack Mariano (District 5) also joined the meeting during the presentation.

Comments, Questions and Discussions

A summary of discussions, including questions and responses, are provided in this meeting summary. The contents of this summary do not represent direct quotes and may or may not represent the group's view as a whole.

PowerPoint Presentation and General Discussion

A PowerPoint presentation (see attachment) was presented to attendees.

Ms. Cindy Jolly (Stormwater Management) provided instruction for how the public can access stormwater related information that can be found on the County's website. Ms. Jolly provided an overview the Anclote East Watershed which drains from the east to the west with stormwater flows entering the Anclote River (South and Sandy branches) and ultimately discharging into the Gulf of Mexico. There are online water level monitoring instruments along the Anclote River and the County does monitor this data. The 100-year storm event represents a 12.4 inch rainfall event occurring within a 24-hour period and is the standard utilized during insurance flood map development. Ms. Jolly presented the recorded rainfall amounts during the storm event, reviewed stormwater requirements for new developments, and explained what happens to rainfall during normal conditions versus what happens during saturated conditions.

In 1981, Pasco County adopted Flood Insurance Rate maps. Permits for new developments after the adoption of the maps included criteria for stormwater systems associated with new developments. Construction prior to 1981 did not include the same stormwater system requirements. A list of newer community developments, both south and north of State Road 54, was presented. Known areas of flooding impact were noted in the Sierra Pines area (where the South and Sandy Branches of the Anclote river meet), to the east of the Suncoast Parkway/South of State Road 54.

Current projects for this watershed area include the Watershed Management Plan project and the Pithlachascotee/Anclote Conservation Effort (PACE) projects. The PACE project includes updating the Anclote (West) watershed model and is a cooperatively funding project with the Southwest Florida Water Management District (SWFWMD). It is anticipated that the overall updated watershed model will be completed in 2017. The updated stormwater model will help to predict the stormwater flow path, show areas for potential upstream stormwater impoundment, and will help to predict how projects will impact stormwater flows to help reduce flooding. In order to proceed with construction of new projects, the County has to demonstrate that there are no anticipated adverse stormwater impacts prior to getting permit approval.

Ms. Annette Doying (Emergency Management) provided an overview of the emergency response to date which began on July 16th. The County provides emergency services for all of Pasco County including the areas within the various cities. Information presented included actions to protect public safety, evacuated areas, damage assessments, human needs assessments, temporary housing assistance, and the continued services available to impacted residents.

The emergency response was a team effort and included assistance from the Salvation Army, Red Cross, Fire Chiefs' Association, Forestry Service, and many other agencies. The Federal Emergency Management Agency (FEMA) decided to not declare Pasco County as a national disaster area and therefore FEMA assistance is not currently available. Governor Scott has decided to appeal this decision and ask that an Individual Assistance disaster be declared. If this request is denied, the County will then pursue Small Business Assistance.

Ms. Cathy Pearson (Human Resources) provided an overview of the continued Flood Recovery Center operations and reviewed the assistance programs that are available to impacted residents. To date over 70 hotel vouchers have been issued providing temporary housing for approximately 225 residents with three families still in temporary housing. It was noted that hotel vouchers are still available through October 5th and residents in need of assistance were encouraged to contact the County's Flood Recovery Center. Assistance for renter relocations are also available.

The County was awarded \$1.5 million dollars of State funding to supplement the State Housing Initiative Partnership efforts. Top priorities for these funds will be to assist with owner occupied housing rehabilitation and relocation assistance. The County has received over 100 applications to date and is working to expedite reviews.

Comment Card Discussions

Prior to and throughout the meeting, attendees were asked to fill out comment cards to convey questions or concerns. The comment cards were collected throughout the meeting and were grouped by topic. Ms. Baker provided initial responses, based on the grouped topics noted below, to attendees. Comment cards will be distributed to the appropriate County department for additional review and follow-up.

Drainage System Maintenance– There were inquiries regarding drainage ditch maintenance including the ditches at Sierra Pines and Meadow Brook which were responded to by Mike Garrett (County). The ditches that are located behind the homes are not maintained by the County. The County does maintain the ditches by the roads within the right-of-way. Any maintenance activity on private property first requires an easement or right-of-entry to allow the County the entry needed to complete the project. The County did request right-of-entry authorizations for this area but not all of the owners granted the entry that was needed to be able to complete the proposed project. The County cannot forcibly take over privately owned stormwater ditches. Installation of culverts under the existing driveways would also require authorization by the impacted property owners. The County may construct retention ponds in neighborhoods if there is a proven benefit, the project can be permitted, and land and funding is available. The County is continuously looking at potential solutions but projects need to show benefits, no negative impacts, and be permissible.

Floodplain Change – Floodplains were initially based on best available data and shown on paper maps. As the stormwater models have been and continue to be updated, through projects like the PACE project, the floodplain maps are updated. The newer maps are more accurate and have shown an increase in the amount of floodplain.

New Developments – All new developments have to comply with the latest permitting rules which are now more stringent regarding stormwater impacts and at times do require construction at a higher elevation than the older developments. Sierra Pines is an older development and surrounding newer developments have been constructed at higher elevations. The new rules are not retroactive and there are no requirements for older developments to meet the current rules. New developments are required to maintain the pre-development conditions for stormwater flows. Although new developments cannot create new stormwater runoffs, they are not required to improve current conditions. If stormwater flows previously left the site, the same amount of stormwater flow may still leave the site but no flow increase (i.e. no negative impacts) is permitted.

Flood Insurance and Available Assistance – Flood insurance provides the best alternative to allow homeowners to recover from flood damage. Congressman Gus Bilirakis' office has offered to assist homeowners with private insurance claims when insurance companies are unresponsive. Even homes that are not within a mapped flood plain can still flood. Homeowners have to qualify to get low interest loans and grant funding is not always an available option for homeowners needing funds to repair damages. The County does have a repetitive loss program that can help homeowners pay to elevate their homes or buyout homes that experience repetitive flooding. No federal assistance funds are available at this time. If federal funds do become available, they may

be used to purchase homes that are in the repetitive loss program.

Wellfield Impacts – Pinellas County historically pumped water out of Pasco County via the wellfields. When this pumping was stopped, it led to a recovery of natural conditions which included a rise in the groundwater elevations. Sierra Pines was an area re-hydrated due to the rise in groundwater elevations. Less ground storage availability, results in less available percolation storage volume during storm events.

Flooding Solutions – The County continues to review potential flood relief projects. In the near-term projects will focus on maintenance type activities. Longer-term solutions will require proof of benefit, permitting, and funding. The County will continue to provide updates to inform citizens regarding the potential stormwater improvements and projects.

Podium Speaker Discussions

Attendees were provided an opportunity to come to the podium to present their individual concerns. The following is a summary of concerns presented. County provided initial responses during the meeting where applicable and will follow-up to address concerns after the meeting.

Speaker 1. - Dogwood Drive Resident

Water flows into residential yard and resident would like to add fill to allow some dry ground for the family pets.

Initial Response: A fill permit is required if the fill quantity is greater than 5 cubic yards and no negative impacts to others would need to be demonstrated in the permit application.

Speaker 2. - Meadowbrook Drive / Raintree Road Resident

Resident has 1970s era plat showing a 7.5 foot maintenance easements on each side yard between the homes. The ditches have only been cleaned once in seven years. Resident requested County clean the culverts.

Initial Response: The County will review the map that was provided but noted that the ditches behind the homes are not County maintained as this is a local drainage system. The County will send a crew to clean the culverts.

Speaker 3. - Chinaberry Road / Sierra Pines Resident

Resident has formed a neighborhood group to help make progress to get needed improvements underway. There are currently no stormwater ditches on Chinaberry Road. Resident is collecting e-mail addresses if anyone is interested in joining this group. Residents are willing to reach out to their neighbors to help obtain the needed easements but the County will need to show that there will be noticeable drainage improvements resulting from the work completed.

Speaker 4. - Sierra Pines Resident

Resident wants to see the stormwater get moved out of this area. Pipes are needed under all the driveways starting at the end of Eagle Lane. The County should consider taking land by eminent domain if needed. Evidence of some pre-existing culverts is still visible. Some of this area is high ground. We are not all in a “bowl” and should not be flooding. The Villa Rosa development built their wall with no holes so now stormwater can’t sheet

flow the way it used to. Resident offered to show the County where the wetlands are blocked which is blocking water from being able to flow off of Highway 54.

Initial Response: The County will follow up.

Speaker 5. - Riverstone Drive / Meadowbrook Estates Resident

This area has culverts and ditches that the County used to maintain. The County has stopped maintaining but had promised they would be maintained. The street is still under water and the ditches are clogged. Resident offered to share photos. The ditches and culverts are not flowing. Residents have given the County a right-of-entry to complete work but the County now states they have no funding. Resident is concerned about driveway failure due to flooding. Stormwater is coming into Meadowbrook from Suncoast Meadow (flow north to south) and the Highway 54 widening project is sending in even more water.

Initial Response: The County does not maintain stormwater systems unless it has accepted the drainage maintenance. Typically the HOA or CDD has the maintenance responsibility. The County has not had sufficient funding. The pre-existing historical flows are from north to south. The PACE project will help to identify the potential projects to abate the flooding. The County will follow-up.

Speaker 6. - Wildwood Lane / Sierra Pines Resident

The resident had already provided the County with an easement form but never heard back from the County. The County did use this residential yard as a staging area but only removed trash and left the brush/trees. Resident has a culvert under the driveway. A work crew was in the area but stopped the clearing work six feet from his culvert and would not clear it. Resident lobbied to stop development but the County has allowed it.

Initial Response: The County will follow-up and send a work crew to finish the clearing job.

Speaker 7. - Sierra Pines Boulevard Resident

There is one culvert that drains to this residential front yard which always floods during any size storm event. Resident would like to know who permitted the wellfield owner to install culverts under their access road about 2 years ago which allows water to flow under the access road to the east and onto his property.

Initial Response: The wellfield is owned by the City of St. Petersburg. The County will review and follow-up.

Speaker 8. - Bridlepath Court Resident

Residential yard is still wet with a pond evident in the front yard. The ground is saturated. The South Branch of the Anclote River is blocked and overgrown and water no longer flows. Why should new construction be permitted when they are contributing to the flooding problems in our older neighborhoods? Why is there no new construction impact fee?

This speaker also provided questions to the County via an e-mail prior to this meeting. A copy of these questions are attached to this meeting summary.

Initial Response: The permitting process requires all new developments to show no changes from previous stormwater flows. They must deal with any additional stormwater within

their development. Building codes require new homes to be constructed at higher elevations. Drainage systems will be needed to address current flooding but the County cannot stop owners from developing if their permits are approved (meet all requirements). There is an ongoing storm water assessment which is being increased by \$10 per year. This assessment is used to offset the costs for stormwater maintenance and roadway drainage. The County can pursue additional fee increases to be able to fund more solutions.

Speaker 9. - Chinaberry Road / Sierra Pines Resident

County needs to also be sensitive to the human experience impacts. Resident has been using a Port-O-Let as the drain fields are saturated making septic systems unusable. The air conditioner is water logged, the drinking water well needs to be tested for contamination, and resident has to park on the road. Resident had to build a bridge to be able to access their front door. New construction has no regard for impacts to existing homeowners. The County dug ditches and then filled them in with sod.

Initial Response: The County will follow up.

Speaker 10. - Cedarwood Loop Resident

How are water the stormwater flows going to get diverted? Who is inspecting the new construction projects to make sure new construction is in compliance? Why not spend 5% of the 2.5 million dollars in potential funding on our improvements.

Initial Response: The County must complete the study, which is what is being funded by the 2.5 million dollars, before being able to permit and construct projects that can offer bigger, long-term solutions. The County is looking at finding ways to stop some of the flow coming down from the north but needs the results from the PACE project. The current stormwater assessment does not fund capital improvement projects (CIP) but the County does look at other funding options for CIP. The SWFWMD does have inspectors that review the compliance issue of new construction projects and they can fine violators as part of their enforcement. If there are any suspicious activities, residents can ask the SWFWMD to send an inspector to that location. Residents can call Pasco County for maintenance issues and SWFWMD for neighborhood compliance issues. Mr. J.P. Marchand (SWFWMD) offered to take names/locations of any problem areas during the meeting.

Speaker 11. - Wildwood Lane Resident

Resident noted that the County did clean ditches and did a good job. The County has taken down fence in this residential yard and has not put the fence back. There are cypress knees currently submerged under the water which could injure people accessing the property and creates a liability issue. Resident has reviewed the regulations for new development and is concerned that the stormwater models do not account for the rate of flow, sheet flow, and how much faster the stormwater reaches neighborhoods now.

Initial Response: The County will follow-up and will replace the fence if needed.

Speaker 12. - Hickory Tree Court Resident

The SWFWMD allowed the owner at the end of Meadow lane to dig a pond. The ditches have redirected stormwater flows from north/south to now go east/west. Resident questioned why the flood maps stop at the Pasco/Hillsborough line. The Villa Rosa development is blocking flows and has changed the historical flow. Why is water now flowing through our neighborhood? Resident does not want the County digging ditches to bring water to his home.

Initial Response: County will explore the Villa Rosa development. The flood maps do not stop at the county line and the regulation by the SWFWMD crosses county boundaries. The SWFWMD will follow-up regarding any blockages for stormwater flows between Pasco and Hillsborough County. The investigations do require research but stormwater flow paths will be restored if the flow path has been modified through unpermitted activities.

Speaker 13. - Bridlepath Court Resident (Repeat Speaker)

When will the PACE study be done and who will push to make sure it gets completed on schedule. Who holds engineers accountable?

Initial Response: This project is being expedited by the SWFWMD. The County will also simultaneously looking at interim solutions. The PACE project is projected to be completed in June 2017 with a presentation to Governing Board at the end of the year. The SWFWMD has a peer review process for permitting but if the project falls under the 10/2/2 rule, no review is required. The County also has their own permitting reviews.

Speaker 14. - Woodfield Court Resident

The state bears some responsibility by building the Suncoast Parkway which acts like a 20-foot tall dam and blocks the historical stormwater flows. This resident has denied County access to his property but his property is not blocking the flow. Resident stated the County came on his property and cut down 13 trees and left the stumps on his property. Resident wanted to know what will be done to correct flooding on his property. Water used to flow across Ivy Lakes but the access road now restricts flow. With all the new development there is nowhere for water to flow. Resident does not want a ditch in his backyard.

Speaker 15. - Eagle Lane Resident

Resident feels that no one wants to take accountability. He told the SWFWMD about the Villa Rosa impacts. A solution needs to be found. The neighbor across street flooded with 18 inches of water in the yard.

Initial Response: The County will follow-up.

Speaker 16. - Wellfield Court Resident

Resident has worked hard to move here and flooded the first summer. Ditches were promised and the flooding keeps getting worse. The flooding is impacting pets and families. The snakes are a serious issue. Resident is seeing everything they worked for disappear.

Speaker 17. Riverstone Drive / Meadowbrook Resident

Suncoast Meadows is sending stormwater under Highway 54 and into our neighborhood. Resident also witnessed pumping activity on a Sunday and asked that the pumps be turned off. Meadowbrook also dug ditches behind the Carabba's and filled in their drainage areas. Who is going to make them remove the illegal fill?

Initial Response: The maintenance of the drainage is regulated by the SWFWMD. County will also follow-up regarding unpermitted pumping activities.

Speaker 18. - Gunlock Road Resident

Resident noted his property is turning into a wetland. The County is dumping water from the wellfield into his pond through the culverts. Resident needs help to get the water off of his property and requested a storm water engineer visit his property.

Initial Response: The wellfield is owned by the City of St. Petersburg and the County has no control over their operation. The County will follow-up regarding the culvert dumping into his residential pond.

Speaker 19. - Oakwood Court Resident

The flooding has created a public health issue. His neighbor's six dogs and his four dogs have been sick. They are getting infections from bacteria spreading by the flood waters from wild animals. It is paramount that the County responds. There have been too many dropped balls.

Speaker 20. - Raintree Road / Meadowbrook Resident

The single entrance to the cul-de-sac has been flooded for 5 days for the first time in 30 years. The flooding is coming from across the street. Resident would like to know if the flow can be blocked and hopes that the County will maintain the roads that have been flooded.

Initial Response: The County cannot block stormwater flows and cannot implement projects that create negative stormwater impacts to other residents.

Speaker 21. - Gunlock Road Resident

Resident reported that school buses could not get into the neighborhood due to the flooding. The County should call the SWFWMD who has already studied a BMP solution for Sierra Pines. The resident moved to the area for the beauty and now has 12,000 homes across the road. All the development must be contributing to drinking well contamination. The County should not permit building in a flood plain.

Speaker 22. Gunlock Road Resident

Resident had water moccasins at their front door and would like the flooding issues resolved. The properties pasture is flooded which has led to their horse becoming lame. The property is no longer usable. A long term solution is needed and residents need to know who to contact and how to maintain long-term. Resident noted that mosquito control is needed in this area.

Initial Response: Residents can call the County's mosquito control department. The County will investigate the possibility to excavate the filled drainage ditches.

Speaker 23. - Meadowbrook Drive Resident

Resident can't get in and out of their home. Resident has tried to maintain the yard but portions of the yard and fence are falling into the ditch. Her child was nearly bitten by a water moccasin. Neighborhood kids can't go into their yards and there is a horrible smell from the standing water. Residents need help to maintain the ditches which are staying full of standing water.

Speaker 24. - Woodfield Court Resident (Repeat Speaker)

This neighborhood petitioned for the County to take over road maintenance and clean

the roadside. Residents paid a \$1,500 assessment. Pasco started to dig ditches in 2007 but the work was stopped by the SWFWMD as the work was not permitted. Has County considered electing a flood control person?

Initial Response: Residents that are part of the PVAS program pay a one-time payment for repaving, then County will continue to maintain. The County will look into cleaning of the swales.

Speaker 25. - Deerfield Drive Resident

Resident takes care of his property and has asked numerous times how to get projects completed but has gotten no response from the County.

Initial Response: There have been studies completed for Sierra Pines including a 1-foot blockage at the main drain. The County got some of the required easements to be able to complete projects. As the County did not get all of the easements, the project did not proceed. County noted that they did not cut down the 13 trees that were previously noted during the meeting.

The County spent a lot of time trying to get easements to add road side ditches. The County has received \$1.8 million for the flood relief but there are restrictions for what it can be used for which are imposed by the state. Approved uses include:

- 1. Temporary Housing*
- 2. Pasco Fix Program*
- 3. Home buyouts and elevations*

Funding currently allocated for new sidewalks cannot be diverted to other uses. Even if the sidewalk project got cancelled, the funds could not legally be transferred. The County currently only has four funds that allow for transfers.

Speaker 26. - Gunlock Road Resident (Repeat Speaker)

Resident has 4 acres of property currently under water that has never been under water before. In the past, perhaps ½ acre had flooded. Things have changed. Resident encouraged staff to talk to the field staff who know what changes are occurring.

Initial Response: There are changed conditions due to the stoppage of groundwater pumping. The groundwater levels are higher now that the pumping has stopped leaving less room for infiltration before flooding occurs. The County will follow-up with field staff to gain additional insight and identify areas where changes in flow has occurred.

Speaker 28. - Gunlock Road Resident

Resident noted that in 2010 the County had surveyors out and then the work was stopped which was a waste of money. Resident stated he could now fish in his front yard and offered to share photos.

Initial Response: The County had to abandon the project due to the inability to obtain all of the required easements.

All speakers were thanked for their comments and the meeting was adjourned at 8:45pm. County noted that in-house maintenance crews will be used to get some of the maintenance activities underway. For larger projects, maintenance activities are completed by contracted crews.

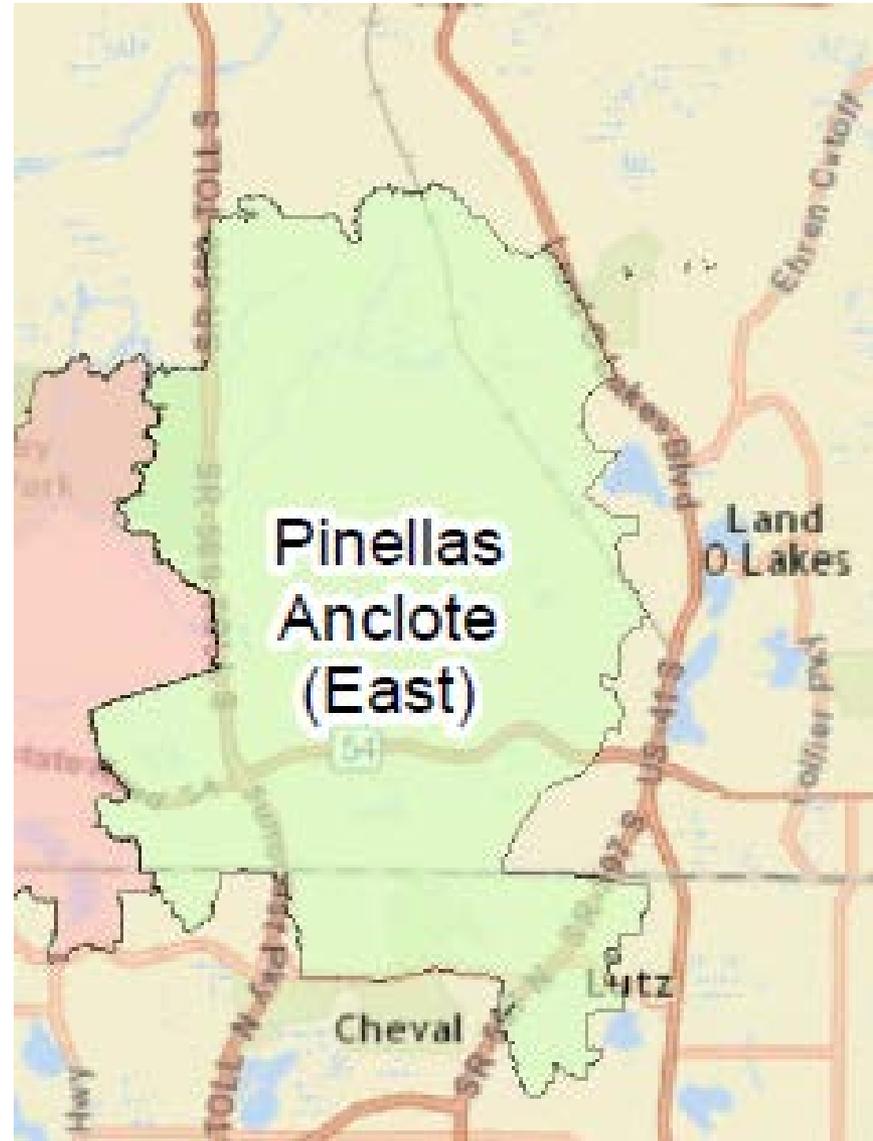
E-mailed Questions provided by Bridlepath Court resident prior to the Anclote East Watershed meeting:

- How would we access public records in regard to monies, past and present, appropriated and spent for our specific neighborhood?
- What are the specifications for new construction and displacement of acreage that now absorbs rain? How is the water redirected when the natural path is interrupted or dammed for i.e. Sunlake Road from Highway 54 to Lutz Lake Fern Road? What model is used for the impact of construction on existing communities?
- Who polices/ monitors the impact when the equation was incorrect or flawed? Who is held accountable when the benchmark is inadequate, resulting in flooding of adjacent communities?
- I understand the city of St. Petersburg has a pumping station off of Sierra Pines and Lutz Lake Fern Road, where are their intentions and commitments published in public records?
- What public records are available that show the natural linking of existing ponds and waterways? Specifically those in our watershed.
- I have been told by different government agencies when I was addressing concerns of inadequate run-off: “We had an unusually wet winter “and” We had an unusually wet summer” and “We have had an unusually large amount of rain in one day”. If we construct homes for hurricane force winds, why would we not have the same requirements for floodwaters and storm surge? We are more likely to be threatened by rising water issues than catastrophic winds. The rain we had this summer is a “heads up” that we are poorly prepared for any “named” storm with substantial, winds, rain and storm surge.
- How can we address are concerns jointly as a team? The community and the county implementing and expediting a viable plan. How can we utilize local businesses that are familiar intimately with the problems as opposed to some large engineering firm that is going to study and evaluate but have no funds left to correct. How can we as a community come together and be involved in the monies appropriated and spent. We would ask that contractors be identified and provide access to a timeline with their work objectives, benchmarks and progress towards the completion of that work.
- Who allows construction companies to pump water off of their site onto public property? Specifically the widening of I 54 between Veterans and Highway 41?
- I am willing to do my part. I am willing to invest personal time, labor and money to restore our neighborhood to livable conditions. It’s time I own a dry pair of shoes.

Watershed Meeting
Anclole (East)
Watershed

September 21, 2015

Welcome & Introductions



Outline of Meeting

- Watershed, Rainfall & Development Requirements
- Anclothe (East) Watershed
- Rainfall Experienced
- Areas Affected
- Emergency Response
- Human Services
- Comments Received

Cindy Jolly

Latest Information on Flooding

www.pascocountyfl.net

The screenshot shows the Pasco County website homepage. At the top is a blue navigation bar with the text "PASCO COUNTY fl" and menu items: "GOVERNMENT", "RESIDENTS", "BUSINESS", and "HOW DO I...". Below the navigation bar is a large photograph of giraffes in a savanna setting, with a person in the foreground taking a photo. A green search bar is located below the photo, containing the text "Search Pasco County...". To the right of the search bar are icons for "Email", "Print", "RSS", and "Share".

The main content area is divided into four columns:

- Left Column (Navigation):** Contains icons and links for "AGENDAS & MINUTES", "CUSTOMER SERVICE CENTER", "FREQUENTLY ASKED QUESTIONS", "JOB OPENINGS", "NOTIFY ME", "PARKS & RECREATION", "ONLINE PAYMENTS", "PASCO TV", "PURCHASING", and "VOLUNTEER IN PASCO". At the bottom of this column are links for "MyPasco Mobile App" and "Can't find it?".
- PASCO COUNTY NEWS (VIEW ALL):** Lists several news items with dates and titles, such as "UPDATED Watershed Meetings for Flood Impacted Areas", "Project Information Meeting Cancellation - Mile Stretch Drive Sidewalk Project Meeting Cancellation", "Citizen Stakeholder Meetings to be held in August", "8/20/2015 5:00 p.m. Flood Update: Recovery Effort Continues in Pasco County", "Annual Pasco Master Gardener Plant Sale", "Clerk of Courts, Inspector General Report on 'Pasco Utility Water Bills' Released", and "Project Information Meeting - Collier Parkway and Bell Lake Road Intersection Improvements".
- CALENDAR (VIEW ALL):** Lists upcoming events with dates, including "August 26 Mile Stretch Dr. Sidewalk Public Info Meeting", "August 26 Flooding Pinellas Anclote Watershed Meeting", "August 27 Cancelled -Date Changed Flooding Pinellas/Anclote Watershed Meeting", "August 28 Three-Pond Frog Walk", "August 31 Citizen Stakeholders Meeting - Capital Improvements Plan (CIP)", "September 1 Port Richey Watershed Meeting Re Flooding", "September 2 BCC Meeting - (Solid Waste/Stormwater Management / Municipal Service Benefit Unit(s) Public Hearing)", and "September 2 MPO CAC Meeting".
- SPOTLIGHT:** Features a "PASCO FLOOD INFO" banner for "AUGUST, 2015" and a "PASCO COUNTY 360" banner with the text "Read the Latest Newsletter". Below these is a map of Florida with Pasco County highlighted and the text "Charter Government INFORMATION".

Watershed Information

PASCO COUNTY *fl*

GOVERNMENT RESIDENTS BUSINESS HOW DO I...

Search Pasco County...

Home > Government > Departments O - S > Stormwater Management > Watershed News

Watershed News

- [Pasco County Watershed Meetings Press Release](#)
- [Watershed Map](#)
- [Stormwater Utility Report](#)

Pasco County is located on the west coast of Central Florida north of Tampa Bay. Four primary streams flow through Pasco County, including the Hillsborough River, the Withlacoochee River, the Anclote River and the Pithlachascotee River. There are 19 watersheds within Pasco County.

Pasco County and the Southwest Florida Water Management District cooperatively participate in a Watershed Management Program. The Watershed Management Program has five elements:

Topographic Information. The surface features and the boundaries of each watershed are determined.

Watershed Evaluation. The drainage flow and storage capabilities of the watershed are determined.

Watershed Management Plan. The plan will determine the capacity of a watershed to provide flood protection.

Best Management Practices. If the information from the Watershed Management Plan indicates that the level of service of the watershed is below the desired level of service, Best Management Practices (Projects) will be suggested that can improve the level of service. This may include development of water management facilities, land acquisition, regulation and education.

Maintenance of Watershed Information. New growth and altering the land can cause watershed features to change so the information within the Watershed Management Plan must be updated.

The Watershed Management Plan is also used for the development of updated Flood Insurance Rate Maps. Information on the Floodplain Management Program and the Flood Insurance Rate Maps is available by selecting this [link](#).

For information on activities within each watershed please select any of the following:

- [Anclote \(East\)](#)
- [Bear Creek-Pithlachascotee](#)
- [Double Hammock](#)
- [Duck Lake](#)
- [Duck Slough](#)
- [Pinellas-Anclote](#)
- [Port Richey](#)

AGENDAS & MINUTES

CUSTOMER SERVICE CENTER

FREQUENTLY ASKED QUESTIONS

JOB OPENINGS

NOTIFY ME

PARKS & RECREATION

ONLINE PAYMENTS

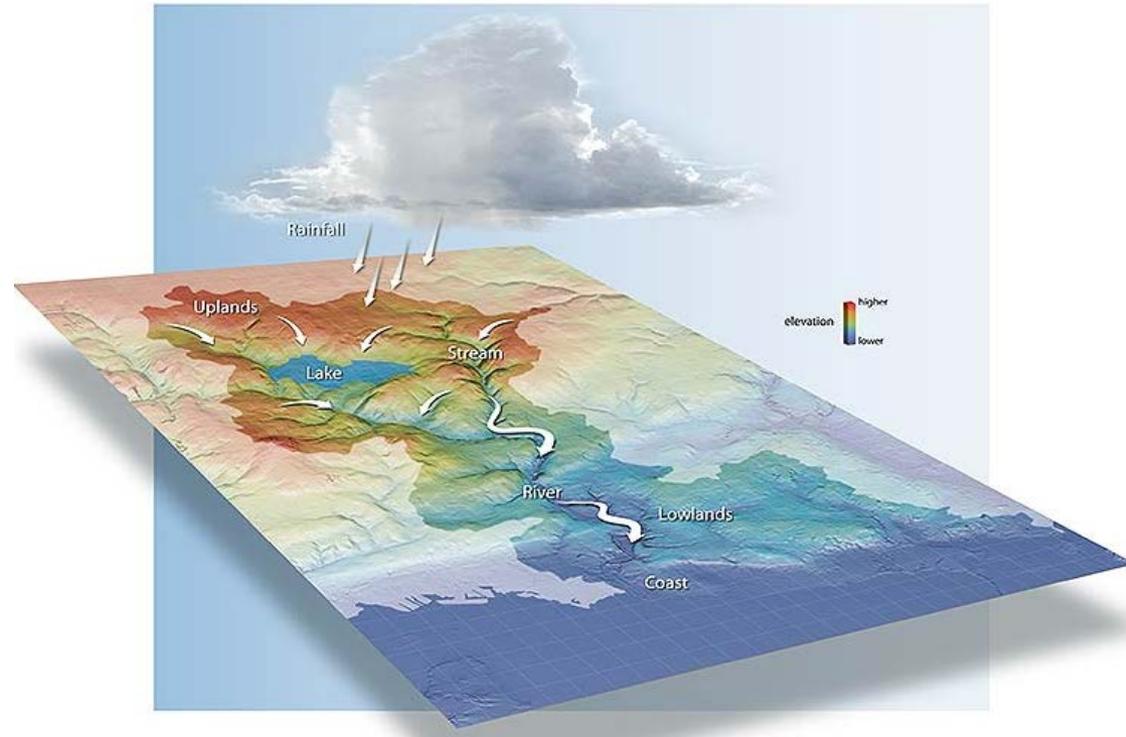
PASCO TV

PURCHASING

VOLUNTEER IN PASCO

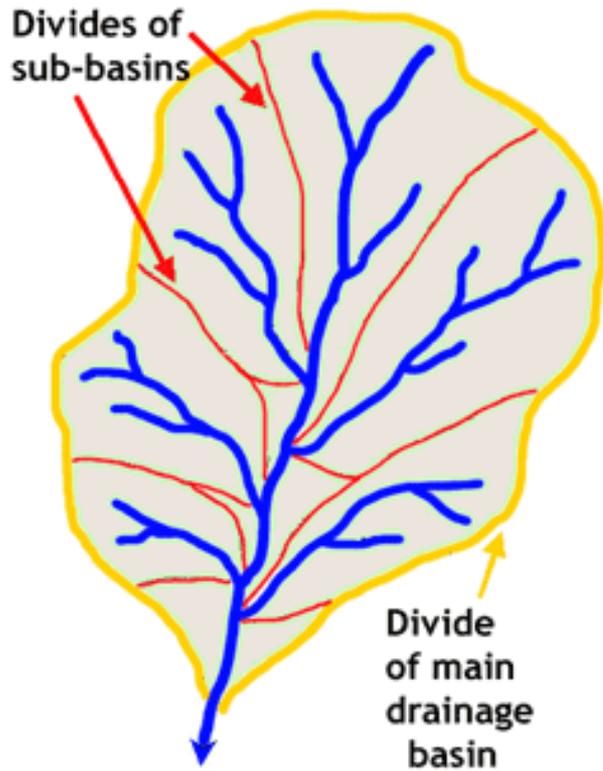
Watershed is Defined as...

- The land area water flows across to drain into a lake, river, coast or other water body.



Within the Watershed

Open Basin



Closed Basin

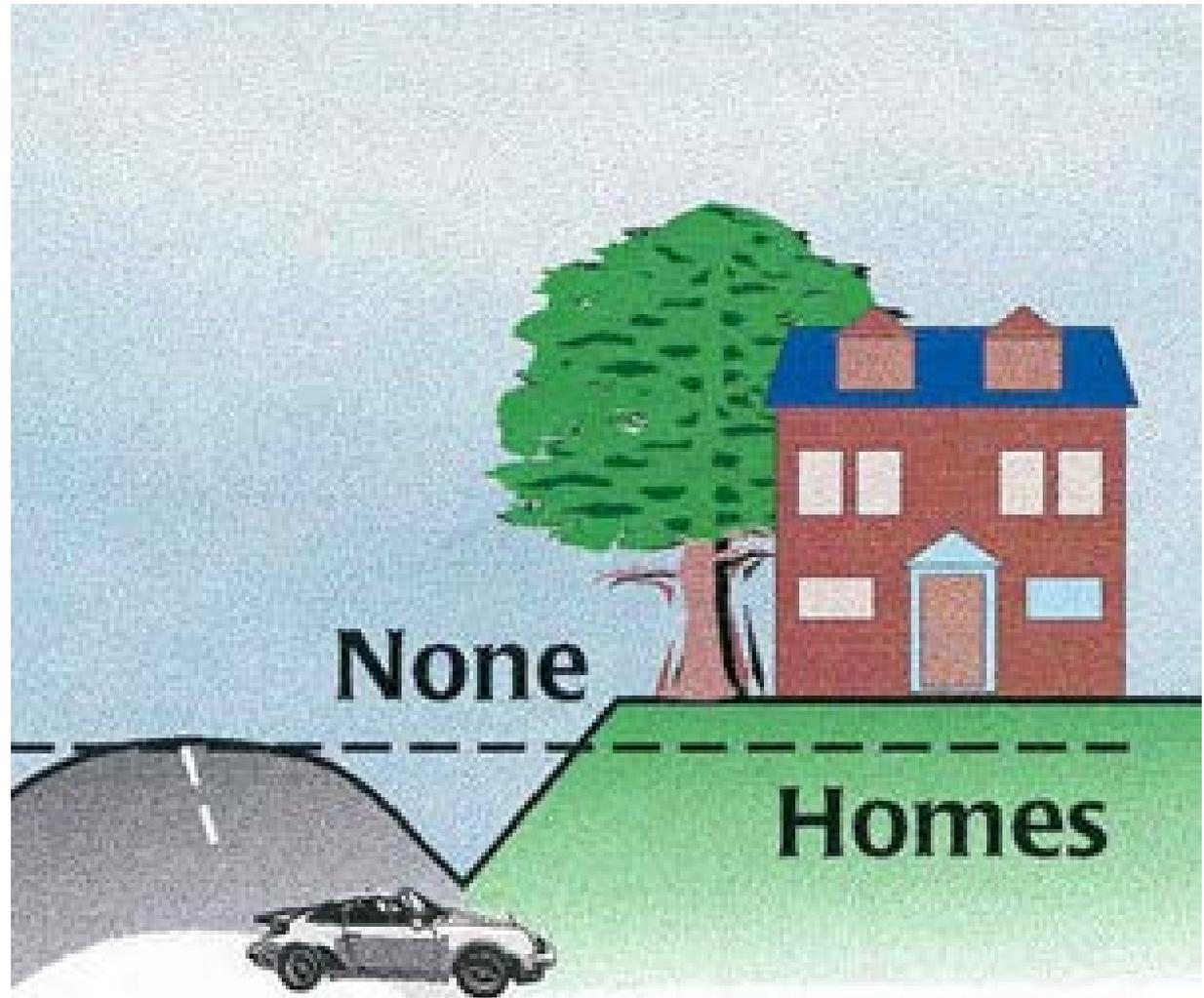


Storms Events defined by Rainfall Amounts

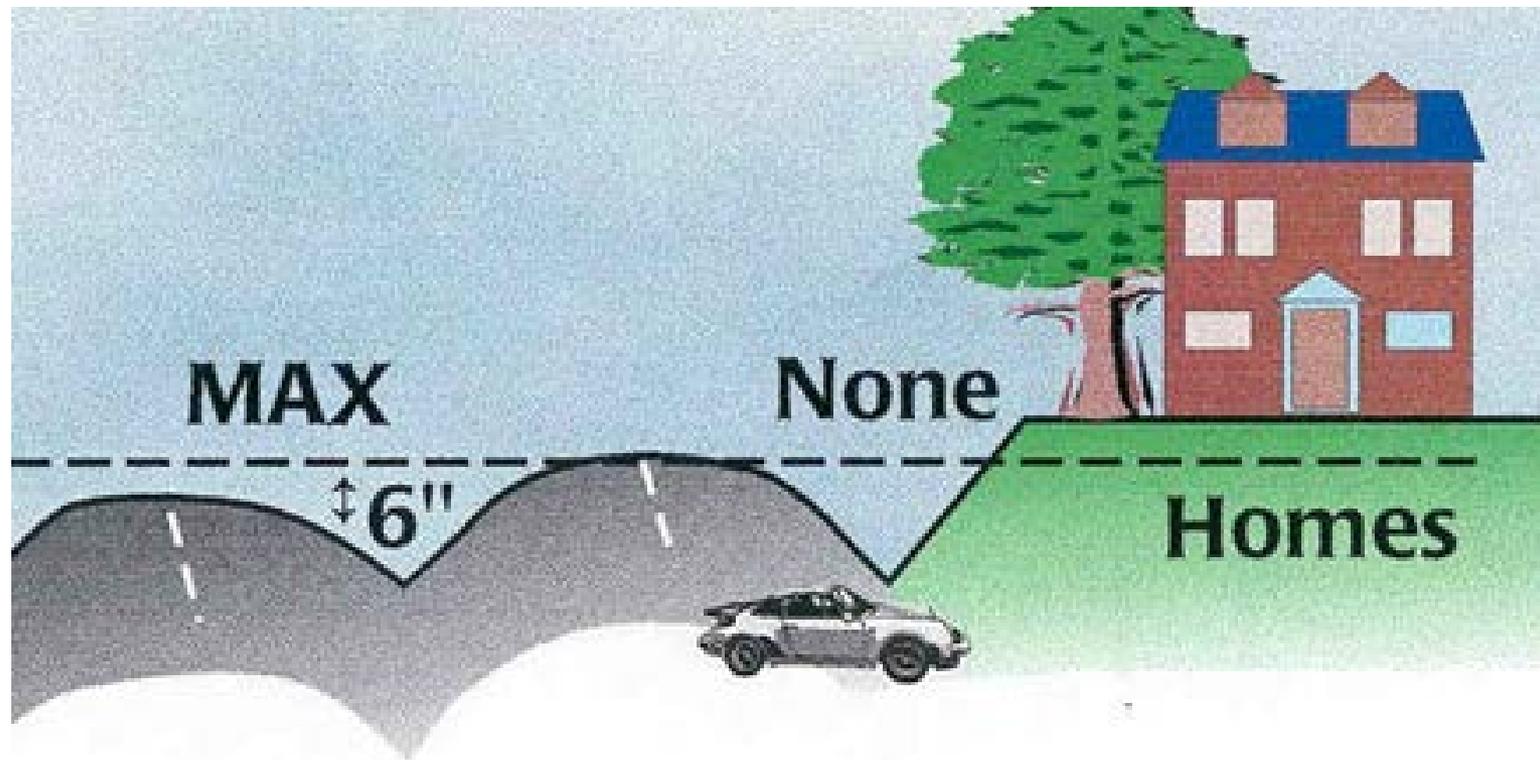
Design Storm Recurrence Interval	Total Rainfall (inches per 24 hours)
Mean Annual (2.33yr)	5.0
5 year	6.0
10 year	7.25
25 year	9.0
50 year	10.0
100 year (1% Annual Chance)	12.4
500 year (0.2% Annual Chance)	

Development Requirements

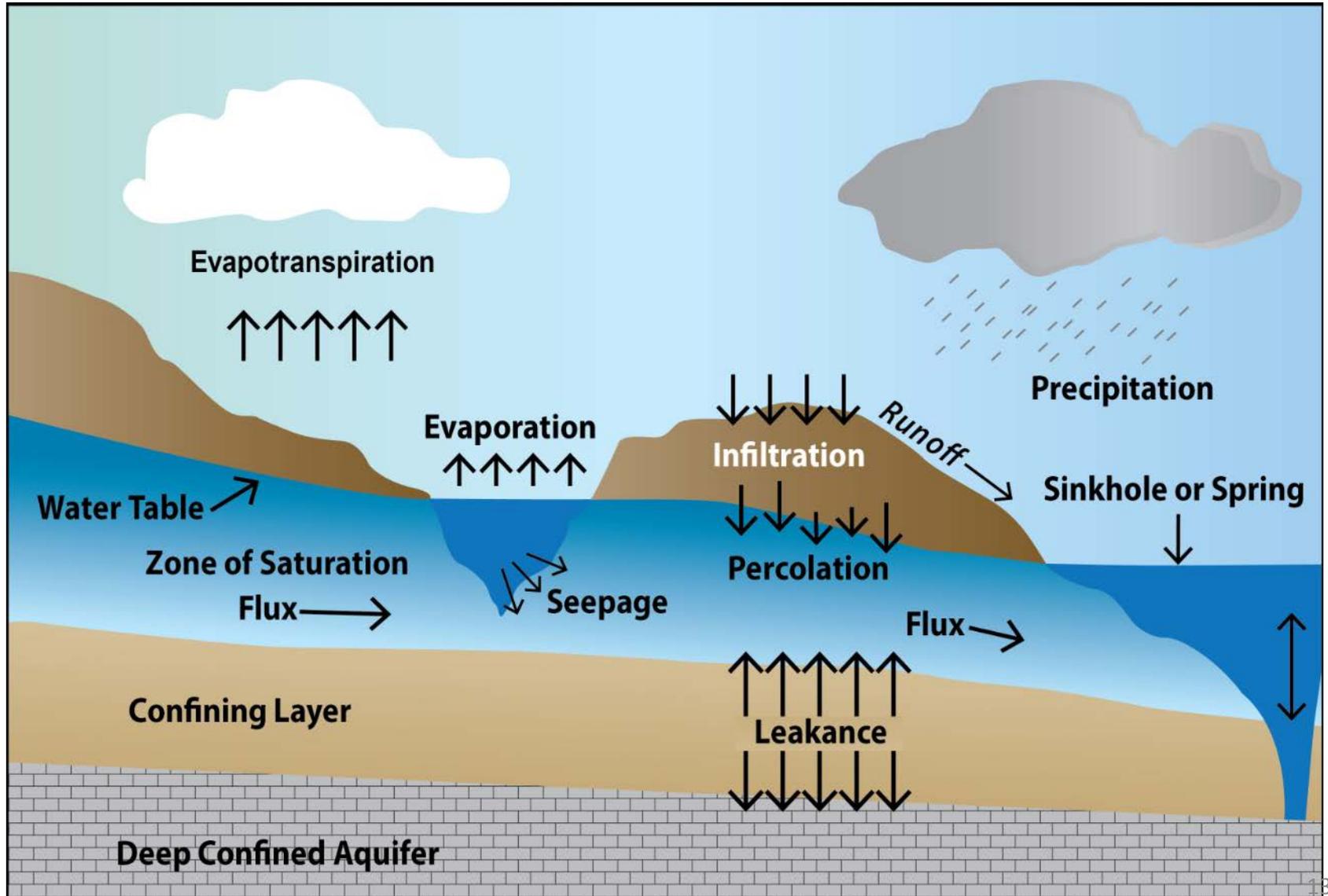
- Homes, Evacuation Routes and Arterial Roadways Elevated Above the 100-year Flood Elevation



- Neighborhood and collector roadways elevated to the 25-year storm
- 6-inch water depth at edge or roadway allowed

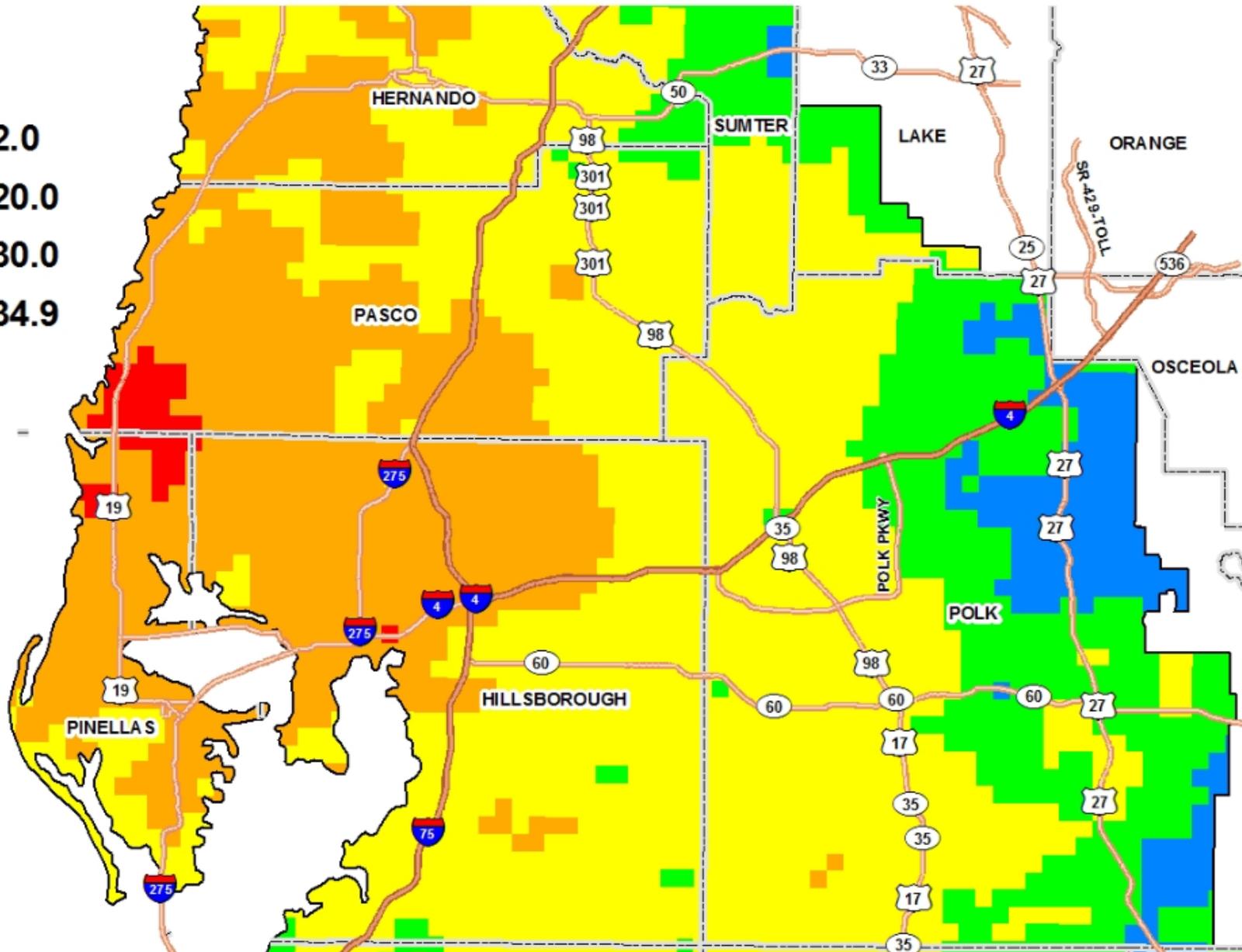


Normal Conditions

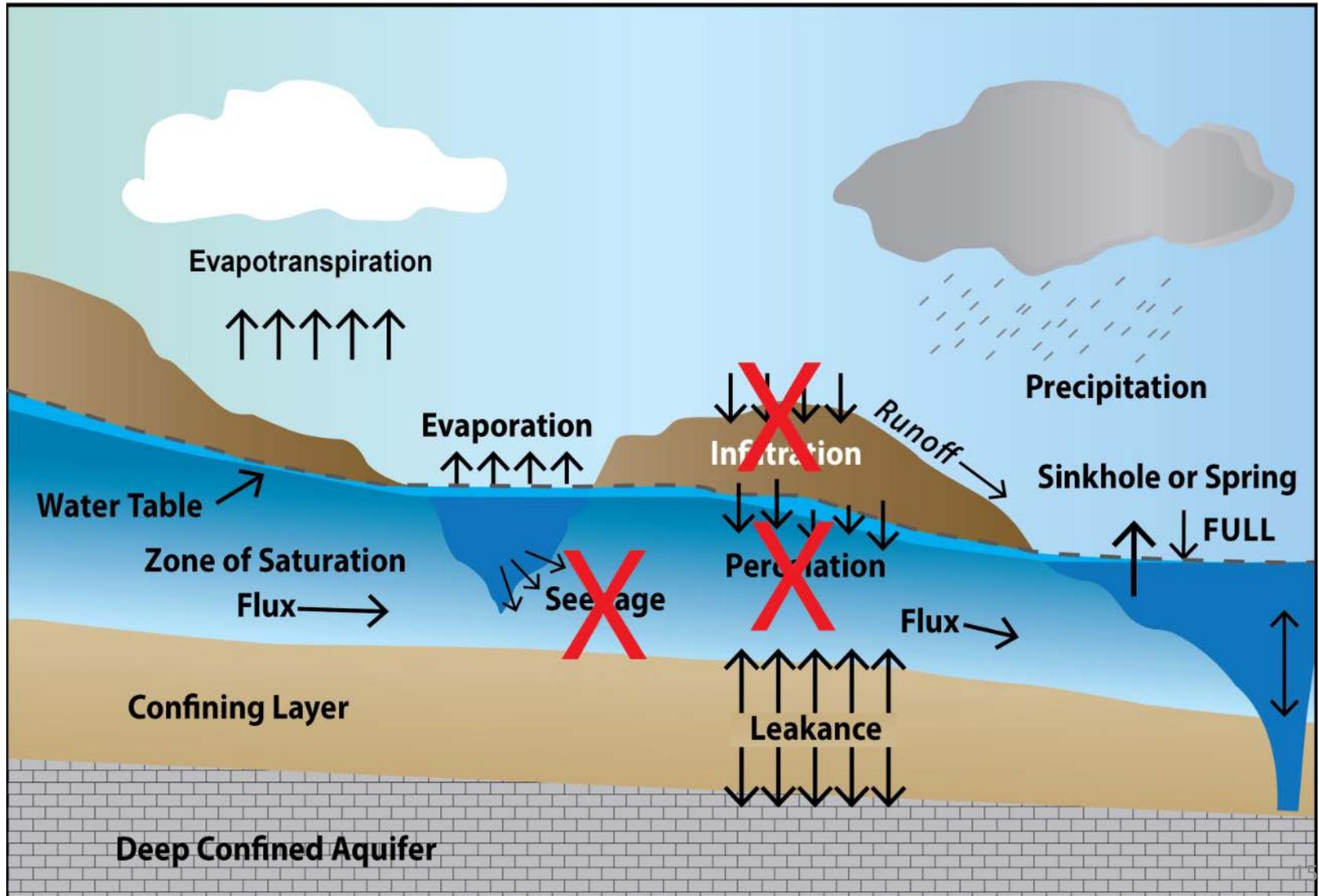


SWFWMD Rainfall Distribution

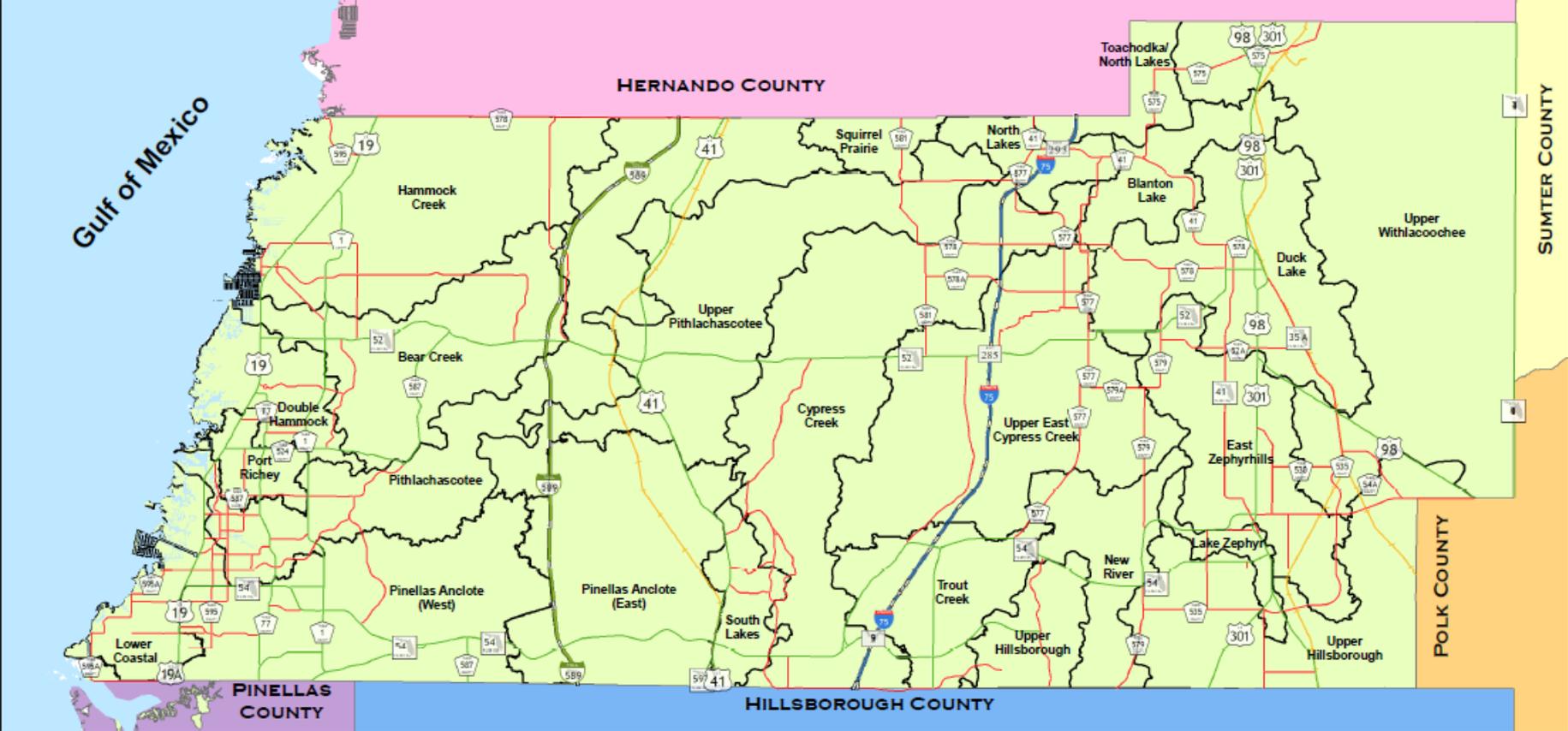
July 16 to August 17, 2015



Current Conditions-Saturated



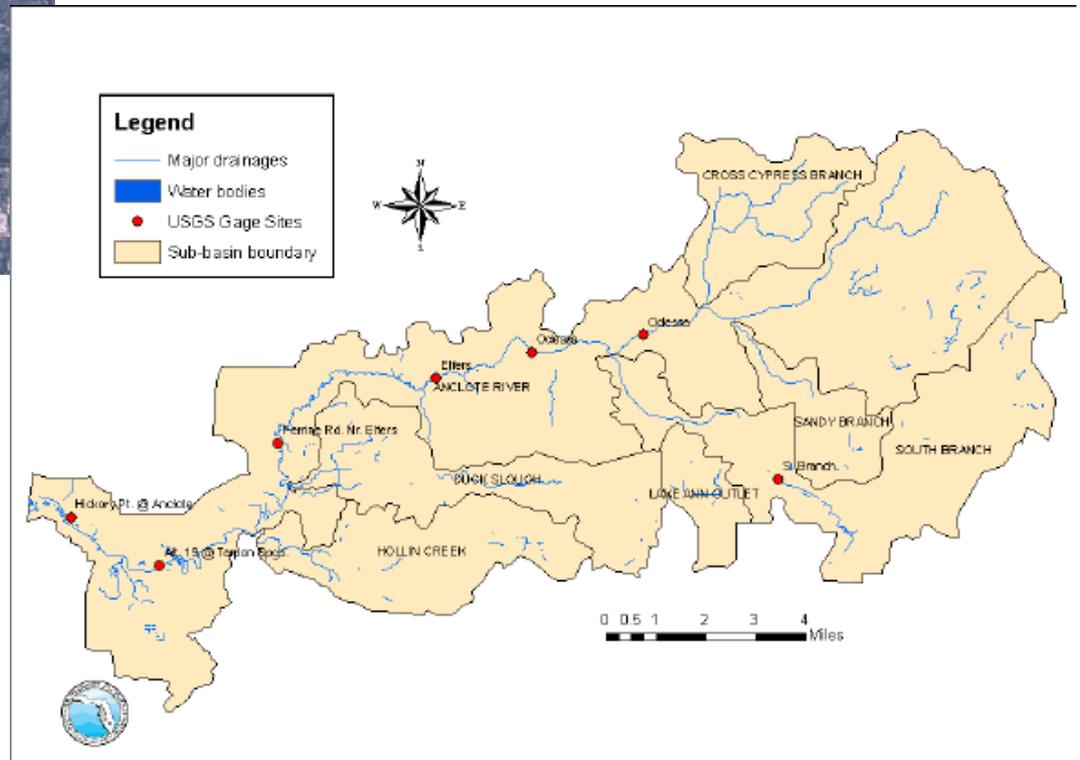
Watersheds in Pasco

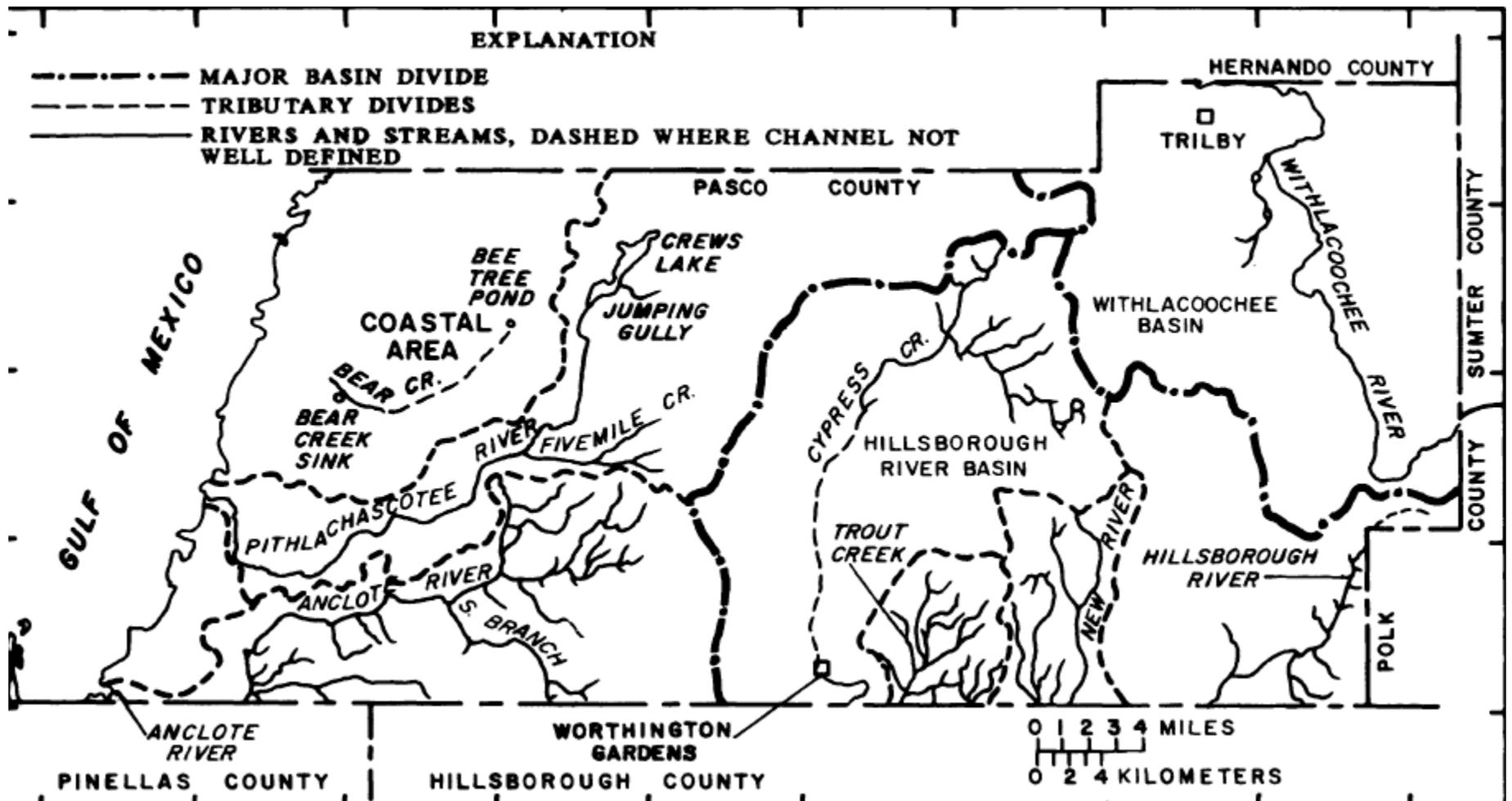




Sources: Earl, HERE, Del.
China (Hong Kong), Earl (7
Lake Community

Anclote Watershed

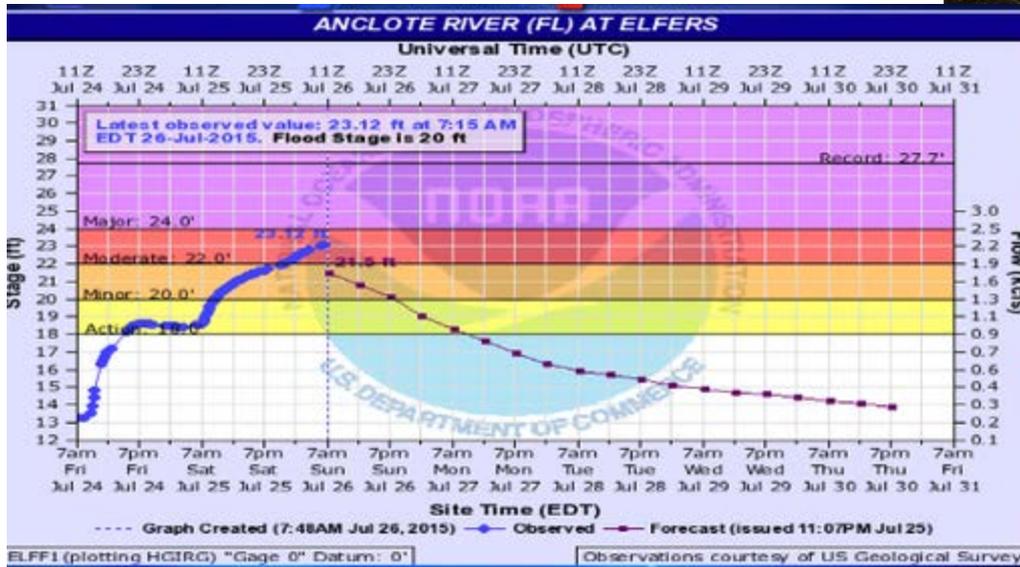




Anclole River



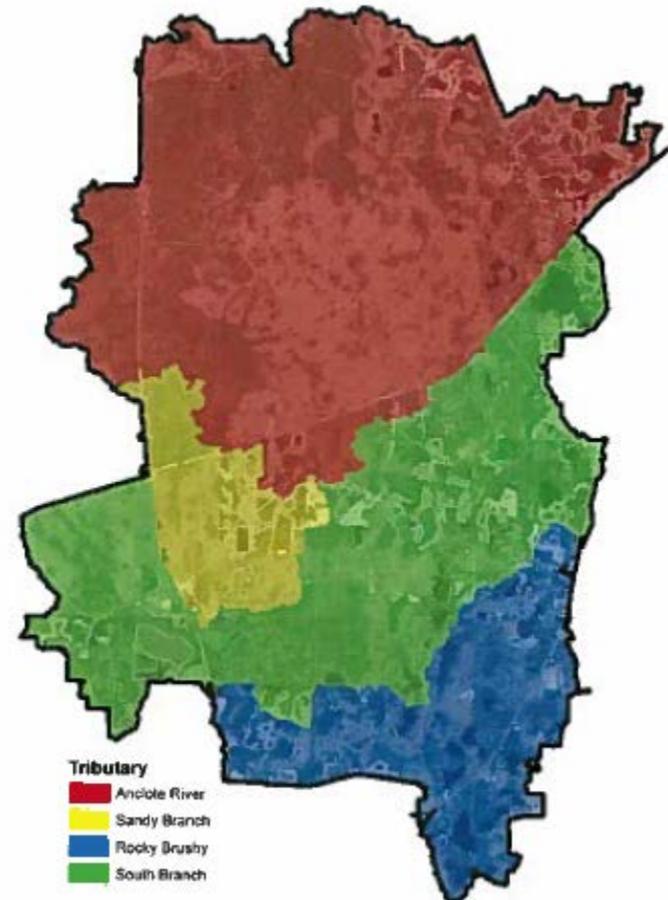
Parkway remain flooded Thursday as the Anclole River continues to flow at flood stage. ANDY JONES/TRIBUNE



- http://waterdata.usgs.gov/nwis/uv?site_no=02310000

Anclote (East)

- From US 41 to the Suncoast Parkway
- Encompasses the South and Sandy Branches of the Anclote River
- Flow from East to West



Developments within Anclote (East)

- South of SR 54
 - Sierra Pines
 - Long Lake Ranch
- North of SR 54
 - Lakeshore Ranch
 - Oakstead
 - Devonwood
 - Suncoast Pointe, Suncoast Meadows
 - Concord Station
 - Ballantrae
 - Lake Patience Road & Tower Road
- Others

Know Areas with Flood Impact

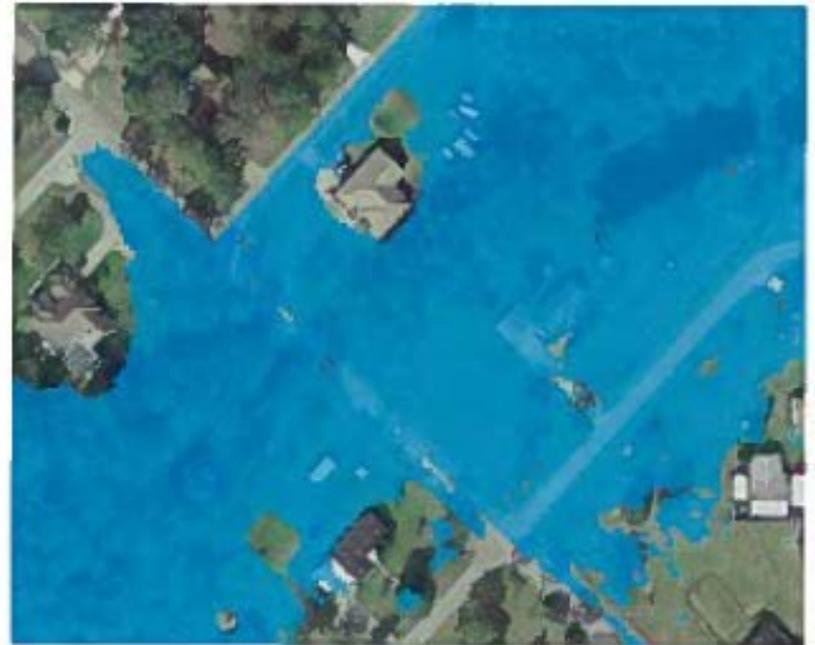
Hurricane Frances Flooding East of the Suncoast Parkway, South of State Road 54



*Photograph taken by Pasco County staff following the Hurricane Frances (September 2004) storm event

Know Areas with Flood Impact

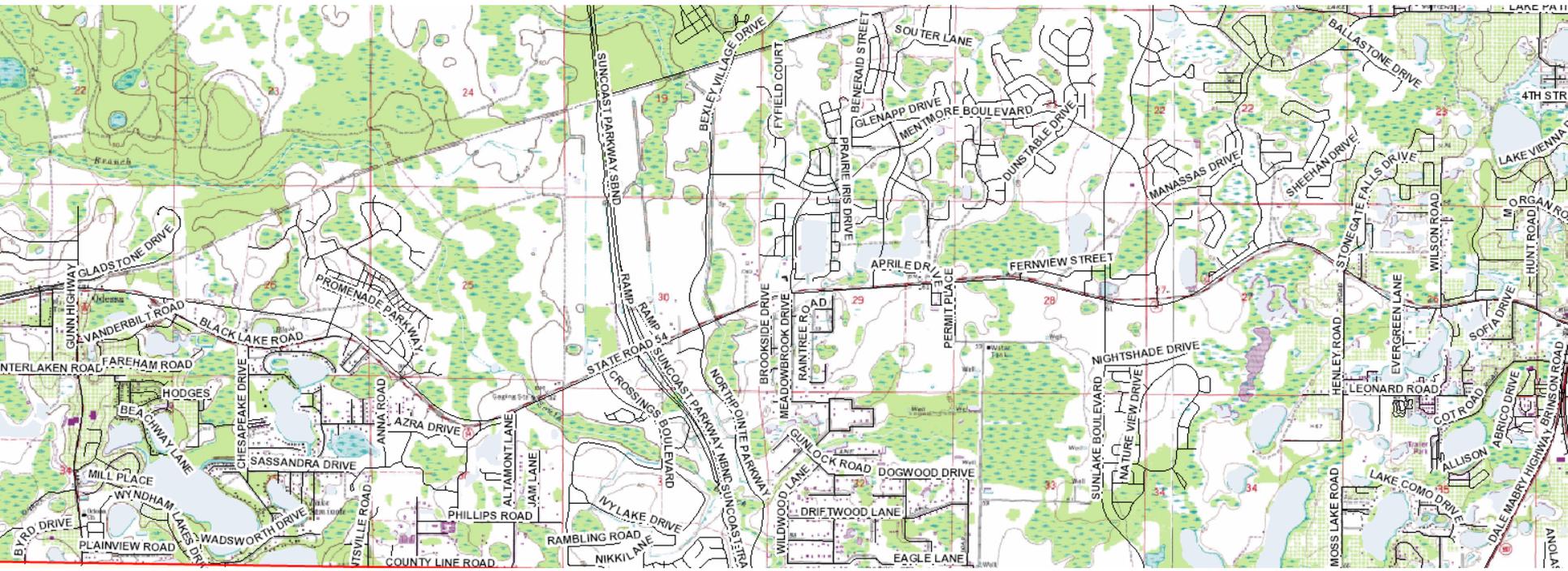
Hurricane Frances Flooding Gunlock Road (Sierra Pines Area)

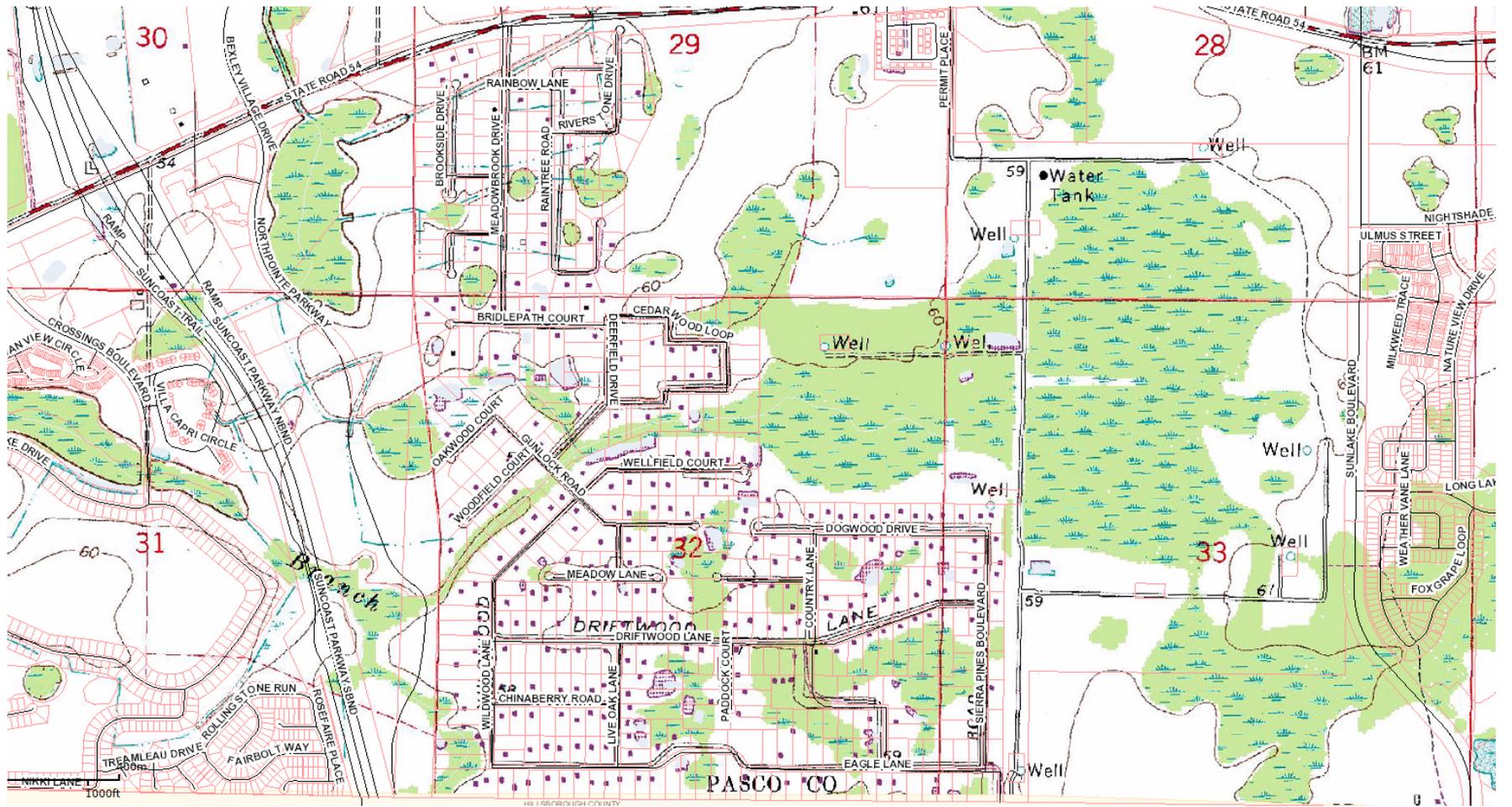


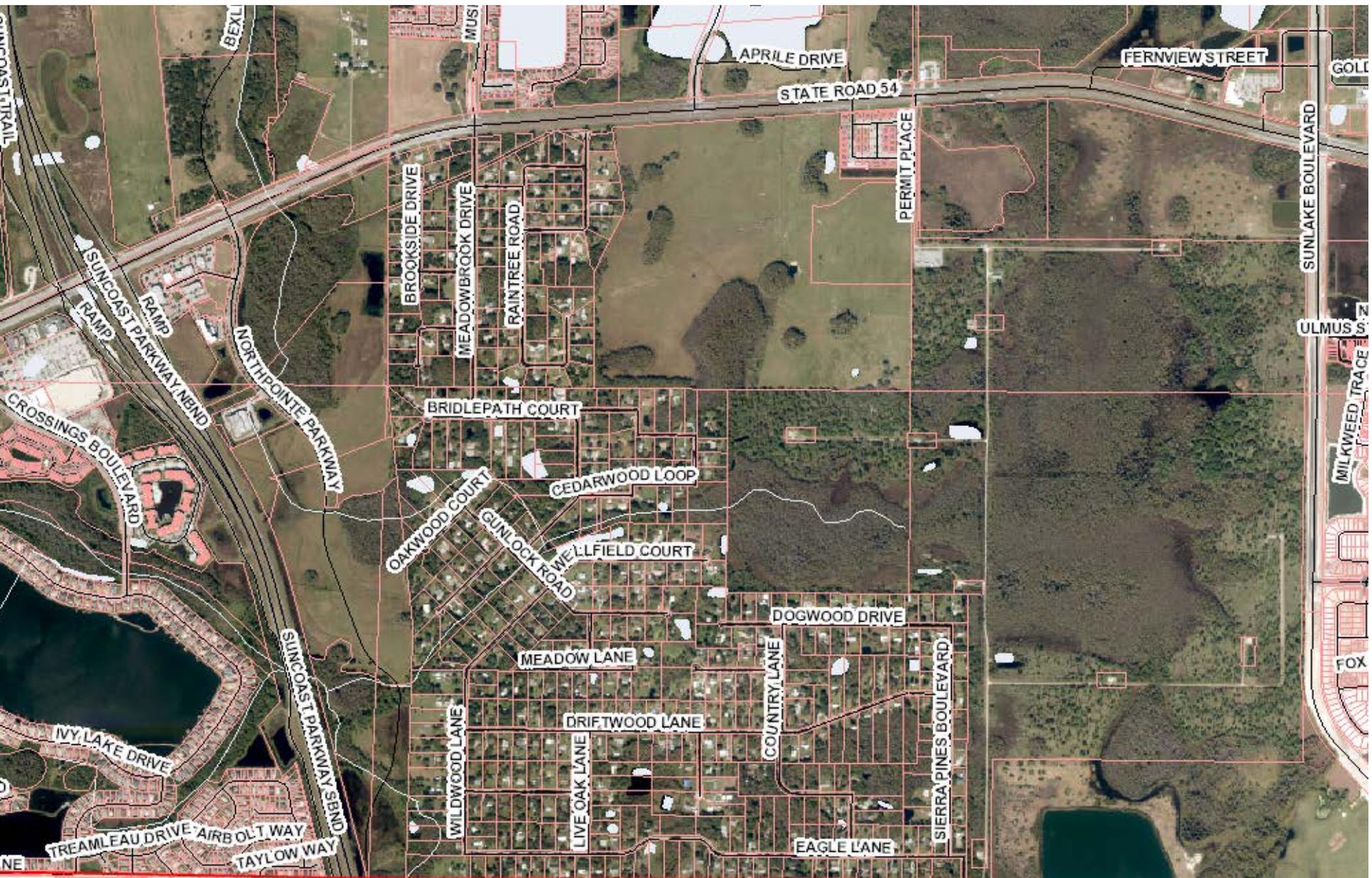
*Photograph taken by Pasco County staff following the Hurricane Frances (September 2004) storm event

Sierra Pines









Studies and Projects

- Watershed Management Plan
- Floodplain Analysis
- Digital Flood Insurance Rate Maps –
September 26, 2014
- Pithlachascotee Anclothe Conservation Effort
(PACE)

Pithlachascotee /Anclote Conservation Effort

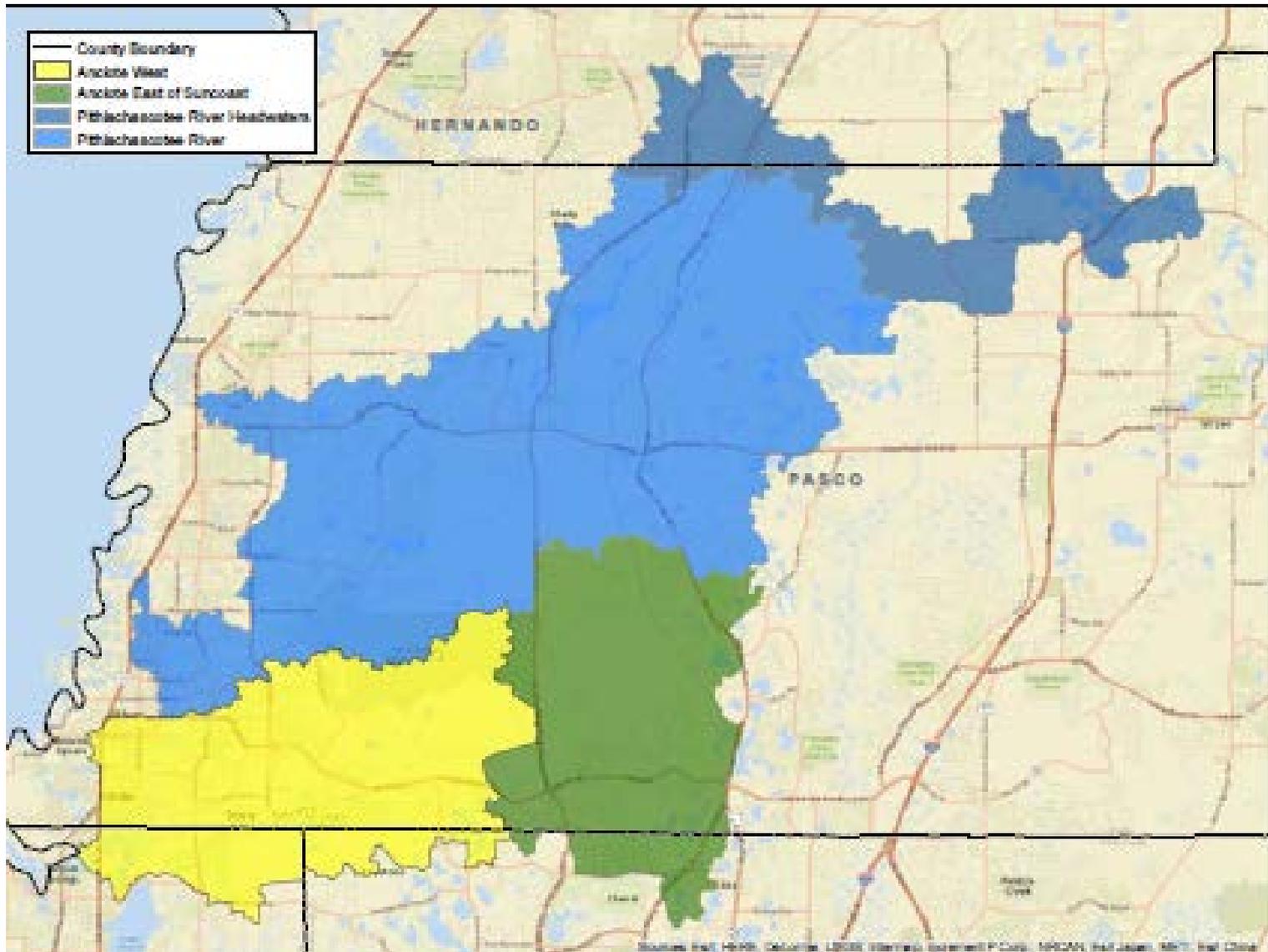
Cooperative Funding Initiative

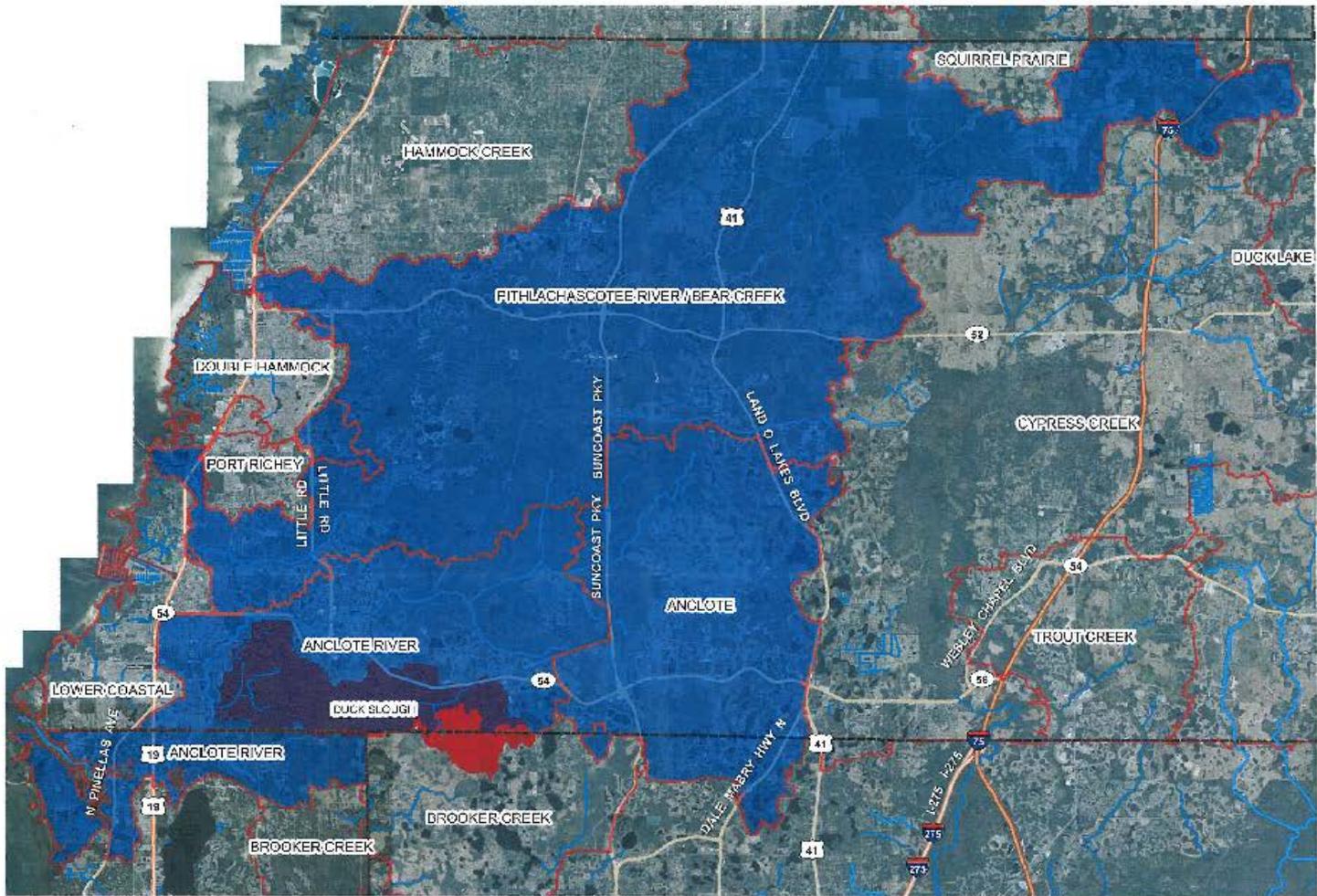


Description

- Multi year project
- Evaluation of regional solutions to flooding problems
- Flow diversion and impounding stormwater
- Total funding currently available is \$2.5M
 - \$1.0 M from FDEP





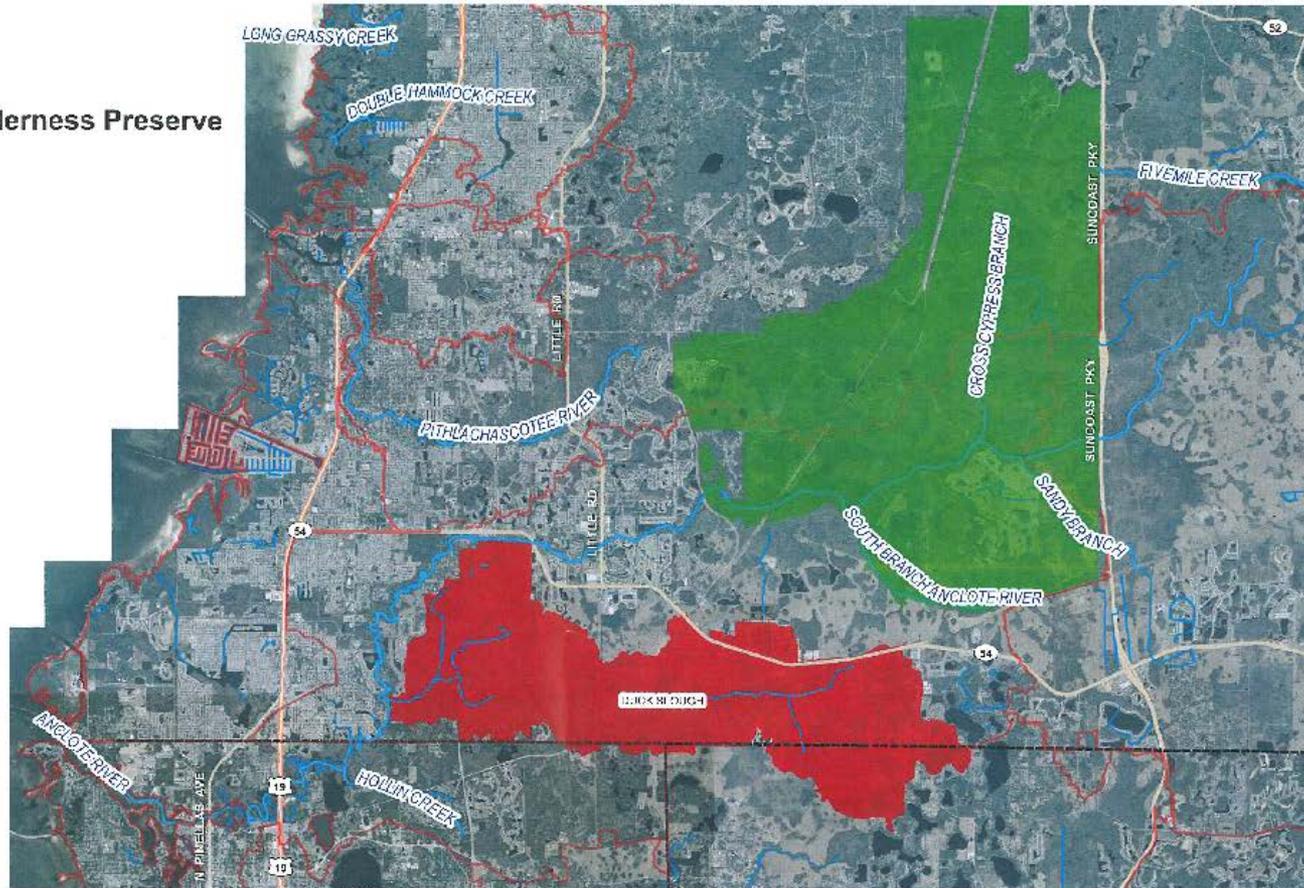


Southwest Florida
Water Management District

**PITHLACHASCOTEE-ANCLOTE WATERSHED STUDY AREA
PACE STUDY AREA PROJECT L738 AND N489**

LEGEND

 **Starke Wilderness Preserve**

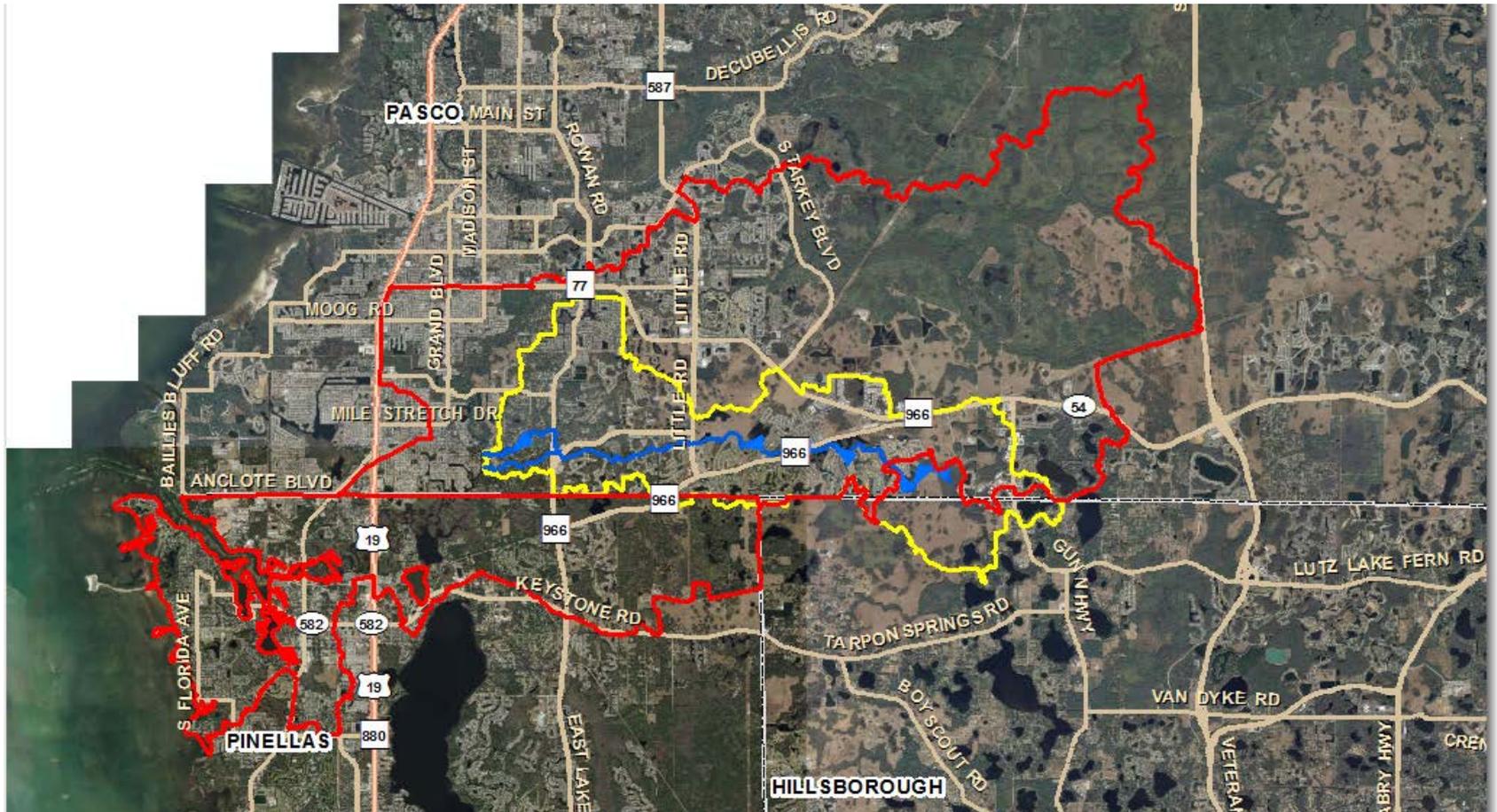


Southwest Florida
Water Management District

**PITHLACHASCOTEE-ANCLOTE WATERSHED STUDY AREA
FLOW DIVERSION FROM PITHLACHASCOTEE
AND ANCLOTE RIVERS TO STARKEY WILDERNESS PRESERVE**

Anclote West

Watershed Evaluation phase underway



Annette Doying

Emergency Response

- July 16, 2015 →: Beginning of Emergency Response
- July 26, 2015 → Evacuation, transportation assistance and shelters
- July 31, 2015 → Local State of Emergency declared (retroactive to 7/16/15)

Emergency Response

- August 6, 2015 → Governor's Executive Order
- August 12, 2015 → Flood Recovery Center (FRC) opened
- Federal Declaration Not Issued

Cathy Pearson

Summary of Flood Housing Programs

Community Development

- Hotel Vouchers - Up to two weeks, must apply by October 5, 2015 – Housing Counselors will assist on additional needs
- Rental Assistance – First, Last Month Rent, Security Deposits
- Utilities Assistance – Assist with Utility Deposit
- Displaced Homeowners and Tenants – Temporary Rental Assistance up to a year, 3 month increments

Summary of Flood Housing Programs Community Development

- Pasco Fix Program – For Homeowners that Need Repairs
 - Must meet income qualifications
 - Must have clear title to property
 - Loan at 0% interest rate
 - Payments begin 10 years after the initial loan signing

Summary of Flood Housing Programs Community Development

Insurance Deduction Program – pay for deductible payments for homeowners required by Insurance policy

NOTE:

- A. All programs must meet the income guideline of 120% median income
- B. All programs require application process

Summary of Flood Housing Programs Community Development

- August 26, 2015 – Pasco County was awarded \$1.5 million additional State Housing Initiative Partnership (SHIP) funds
- The top priorities for these funds will be:
 - A. Owner Occupied Rehabilitation
 - B. Relocation Assistance

Summary of Flood Housing Programs Updated Services

Flood Recovery Center

8620 Galen Wilson Boulevard

Port Richey, FL 34668

8:00 a.m. – 5:00 p.m.

Monday - Friday

Call the Resident Information Center for more
information

727-847-2411

Michele L. Baker

Comments

Latest Information on Flooding

www.pascocountyfl.net

The screenshot shows the Pasco County website homepage. At the top is a blue navigation bar with the text "PASCO COUNTY fl" and menu items: "GOVERNMENT", "RESIDENTS", "BUSINESS", and "HOW DO I...". Below the navigation bar is a large banner image of giraffes in a zoo enclosure. Underneath the banner is a green utility bar containing a search field "Search Pasco County...", and icons for "Email", "Print", "RSS", and "Share".

The main content area is divided into four columns:

- Left Column (Navigation):** Includes links for "AGENDAS & MINUTES", "CUSTOMER SERVICE CENTER", "FREQUENTLY ASKED QUESTIONS", "JOB OPENINGS", "NOTIFY ME", "PARKS & RECREATION", "ONLINE PAYMENTS", "PASCO TV", "PURCHASING", "VOLUNTEER IN PASCO", "MyPasco Mobile App", and "Can't find it?".
- PASCO COUNTY NEWS (VIEW ALL):** Lists several news items with dates and titles, such as "UPDATED Watershed Meetings for Flood Impacted Areas", "Project Information Meeting Cancellation - Mile Stretch Drive Sidewalk Project Meeting Cancellation", "Citizen Stakeholder Meetings to be held in August", "8/20/2015 5:00 p.m. Flood Update: Recovery Effort Continues in Pasco County", "Annual Pasco Master Gardener Plant Sale", "Clerk of Courts, Inspector General Report on 'Pasco Utility Water Bills' Released", and "Project Information Meeting - Collier Parkway and Bell Lake Road Intersection Improvements".
- CALENDAR (VIEW ALL):** Lists upcoming events with dates, including "August 26 Mile Stretch Dr. Sidewalk Public Info Meeting", "August 26 Flooding Pinellas Anclote Watershed Meeting", "August 27 Cancelled - Date Changed Flooding Pinellas/Anclote Watershed Meeting", "August 28 Three-Pond Frog Walk", "August 31 Citizen Stakeholders Meeting - Capital Improvements Plan (CIP)", "September 1 Port Richey Watershed Meeting Re Flooding", "September 2 BCC Meeting - (Solid Waste/Stormwater Management / Municipal Service Benefit Unit(s) Public Hearing)", and "September 2 MPO CAC Meeting".
- SPOTLIGHT:** Features a "PASCO FLOOD INFO" graphic for "AUGUST, 2015", a "PASCO COUNTY 360" newsletter link, and a "Charter Government INFORMATION" graphic with a map of Florida.