



Alachua County Environmental Protection Department

Alachua County Citizens Academy Spring 2019 Presentation

Chris Bird, Director



Environmental Stewardship



- Clean Water
- Natural Resources Protection
- Responsible Hazardous Waste Management
- Petroleum Management

Alachua County,
Florida



Programs Overview



The background features a light blue map of Alachua County, Florida. Overlaid on the map is a large, semi-transparent graphic of a sun with a yellow-to-orange gradient, and several palm trees in shades of green and brown. The text 'Alachua County, Florida' is written in a large, white, sans-serif font across the lower right portion of the map.

- **Water Resources**
 - Water Quality
 - Water Conservation
 - Stormwater Management
- **Natural Resources**
 - Environmental Planning
 - Environmental Review of Land Development
- **Hazardous Materials Management**
 - Hazardous Wastes Collection
 - Hazardous Materials Management
- **Petroleum Management**
 - Petroleum Storage Tank Compliance Inspections
 - Petroleum-Contaminated Site Cleanup Oversight



Water Resources Division

- Water quality monitoring
- Complaints/illegal discharges
- Education and outreach
- Water conservation
 - Irrigation
- Stormwater water quality
- Grants to improve water quality and conserve water





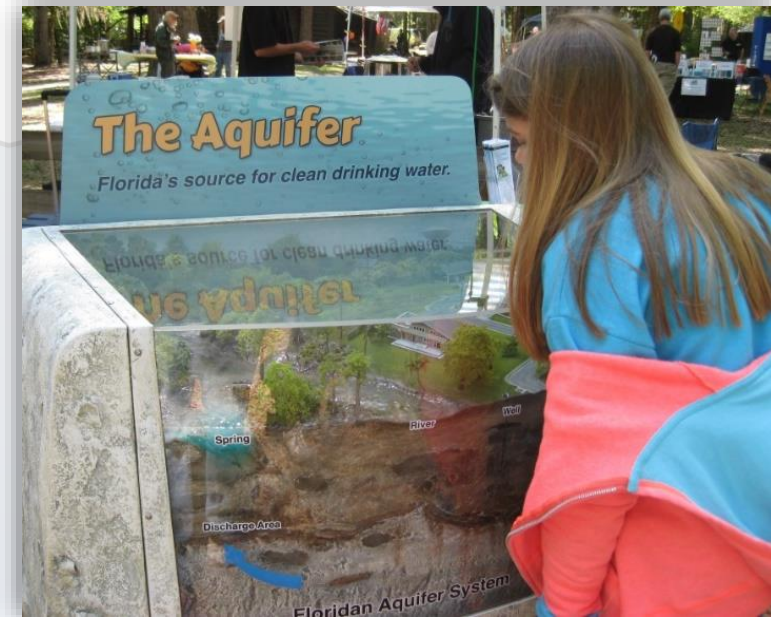
County,
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Monitoring local groundwater, surface waters, and Wastewater



Education and Outreach

- Interactive presentations in schools
 - 122 events to reach ~2,700
- Public events
 - 48 events to reach ~10,000
- MyYardourWater.org and Alachua County Water.org websites
 - ~35,000 visits

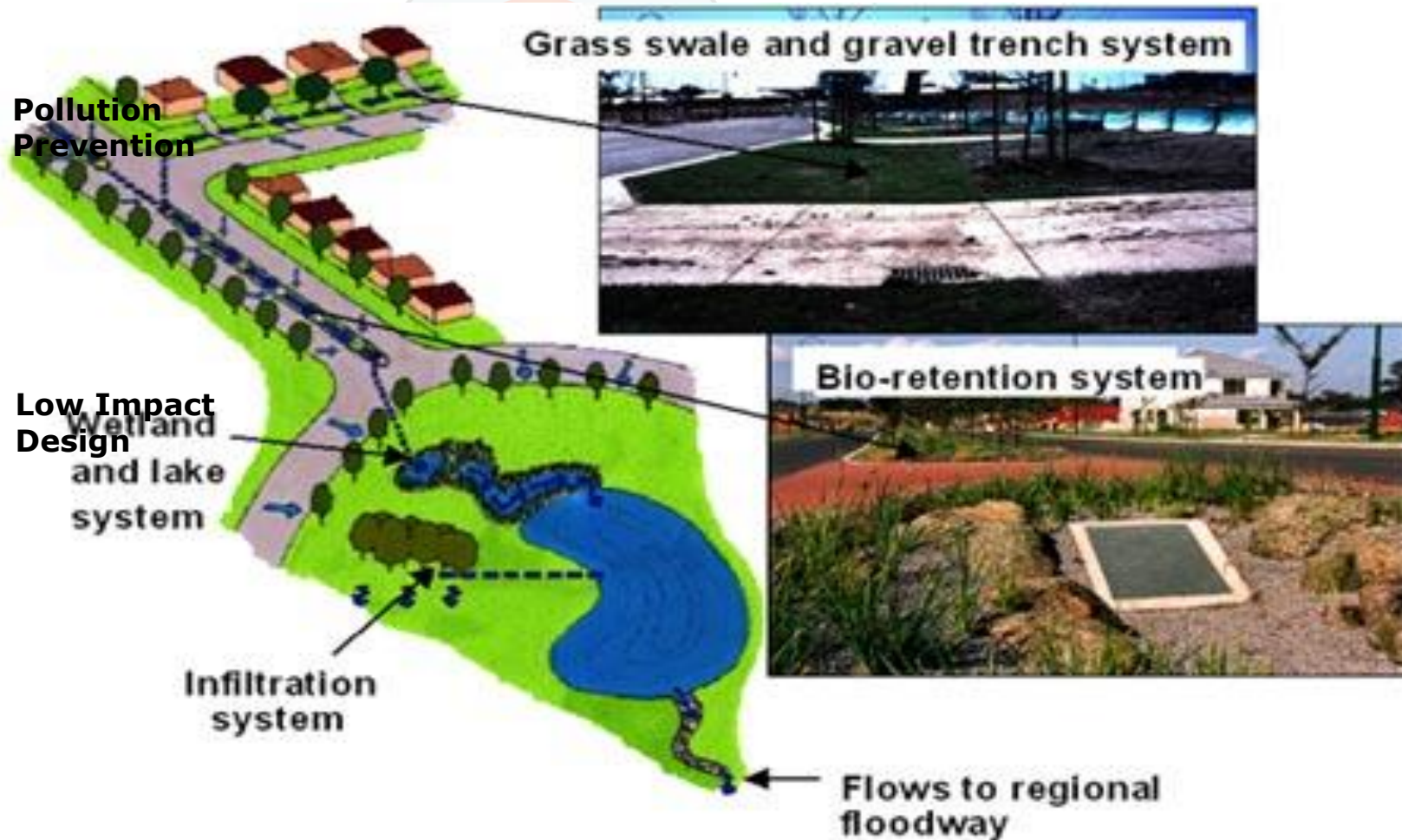


New Activities in FY19 & FY20

- Expand Irrigation Design Code Countywide
- Add a summer fertilizer black out period
- Implement a Florida Friendly Landscaping Ordinance
- Research a Septic Tank Ordinance
- Expand Turf SWAP and Irrigation Tune Ups (if funded)
- Hornsby and Poe Springs Restoration
- Newnan's Lake Initiative- Reactive Weirs



Water Quality – Stormwater Management



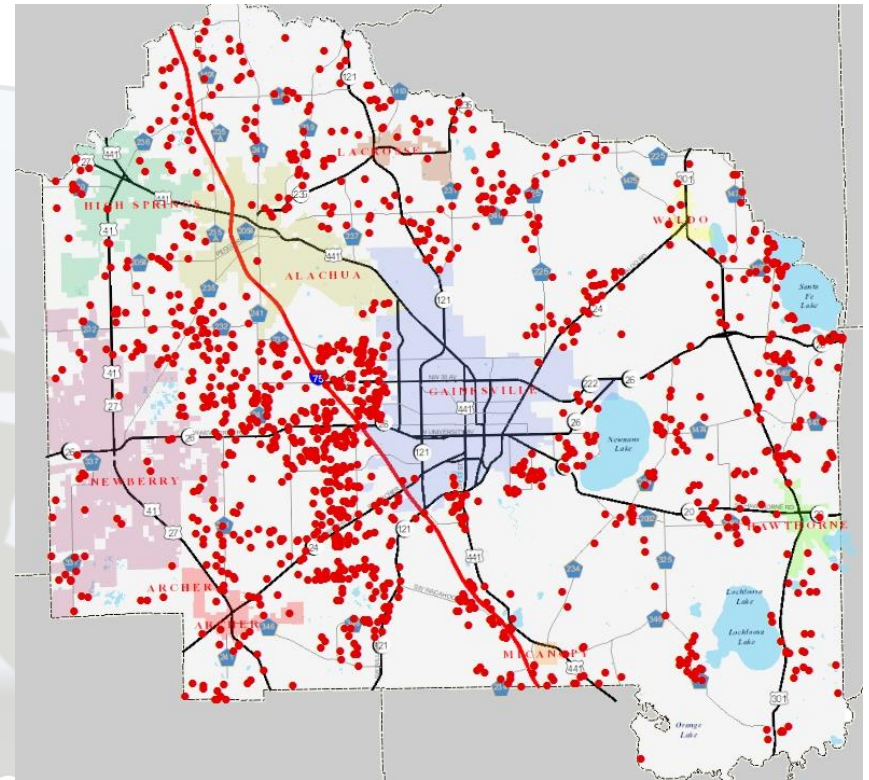
Protecting the **Natural Resources** of Alachua County

- Citizen response
- Pre-screening of building permits
- Development review, zoning, land use requests
- Compliance and Enforcement
- Environmental Planning



Protecting the **Natural Resources** of Alachua County

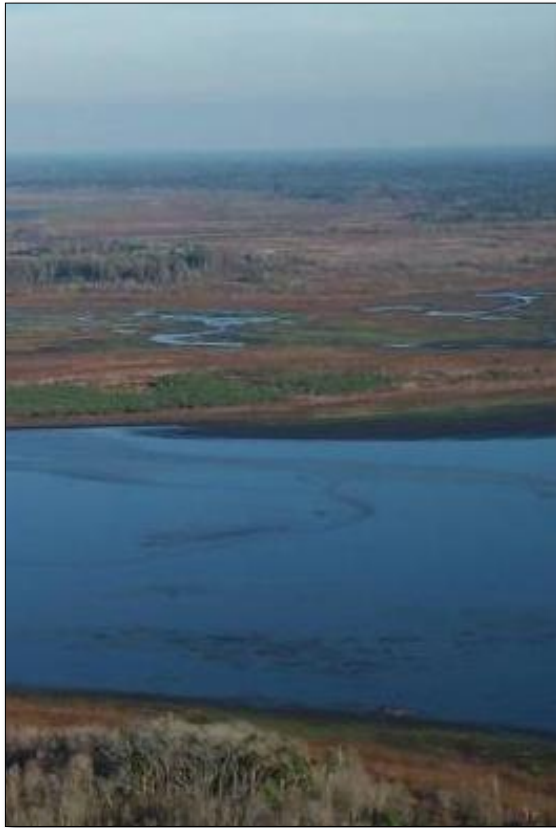
- In 2019:
- **600** site visits per year
- **1400** building permit reviews per year
- 168 development review projects per year
- 41 Enforcement cases
- Adopted Countywide Wetland Protection Code



Building permit sites in unincorporated Alachua County with natural resources issues (red dots).



What are Alachua County's **historic and natural resources**?



Activities in FY19 and FY20:

- Adopted new dock code
- Evaluation and Appraisal associated Comp Plan changes:
 - Proposing larger OFW buffers
 - open space
 - tree and habitat protection
 - Resilient landscaping
 - Springs protection
 - Greenway planning
- Will follow-up in FY20 with associated code changes
- Outreach (World Wetlands Day, Art Contest)





*We **all** benefit from our natural resources*



Hazardous Waste Management



**Hazardous Waste Collection
Center & Rural Collection
Centers**



Neighborhood Collections



Reuse/Recycle Center

Proper Disposal and Recycle of Hazardous Wastes -- Oils, Gasoline, Antifreeze, Batteries, Pesticides, Household Chemicals, Discarded Pharmaceuticals, Paints, Computers, Monitors, TVs, Electronics, Waste Vegetable Oil

Desired Outcome: Responsible Hazardous Waste Management



Hazardous Waste Management



Waste Vegetable Oil to Biodiesel Fuel



Unwanted Pharmaceutical Disposal

Paint Management



- **FREE Services to Homeowners**
- **Contact EPD for Information**

Desired Outcome: Clean Water



Hazardous Materials Management



Facility Inspections

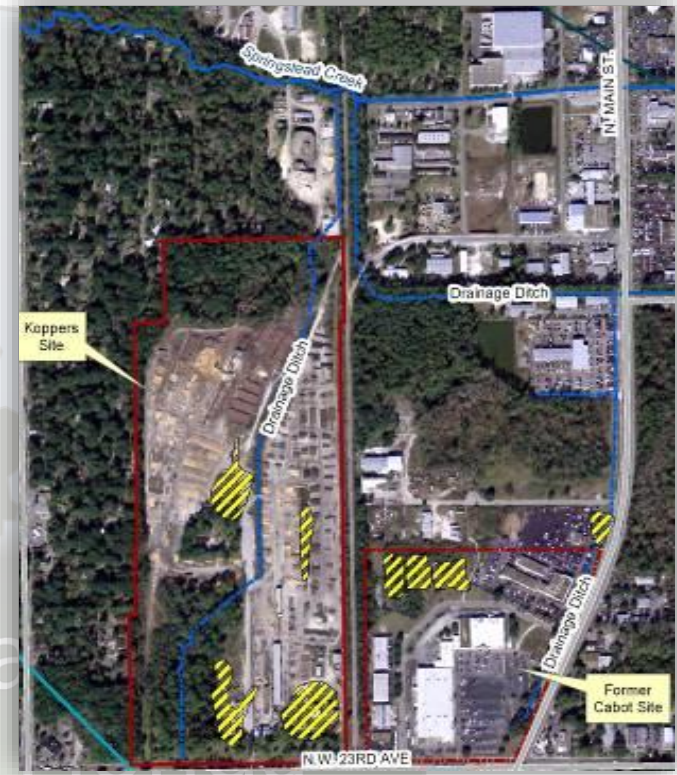
- 1000 regulated facilities
- 500 inspections per year
- Compliance assistance
- Complaint response



Protecting environment and property values



Emergency Response to Spills



Monitor Remediation of Contaminated Sites



Pollution Prevention Division – Storage Tanks Compliance



- **State-funded petroleum storage tank compliance inspection program.**
- **Prevent groundwater contamination.**
- **Sixteen county service area managed by Alachua County.**
- **1,295 registered petroleum storage tank facilities.**
- **4 inspectors conduct 724 routine compliance inspections annually.**
- **Installation, closure, discharge, and complaint inspections.**
- **Funds 5 local jobs with a \$466,580 budget.**

Desired Outcome: Clean Water

***1 gallon of
gasoline can
contaminate
1,000,000
gallons of water***



Pollution Prevention Division – Storage Tanks Compliance 16-County Service Area



Pollution Prevention Division - Petroleum Cleanup



- **State-funded clean-up of petroleum hydrocarbon contaminated sites.**
- **Performance-based contract with FDEP.**
- **Clean up petroleum-impacted soil & groundwater.**
- **Eleven county service area managed by ACEPD.**
- **Technical and financial oversight of environmental contractors.**
- **406 petroleum contaminated sites.**
- **Average cost of clean-up is ~ \$400,000 per site.**
- **Funds 11 local jobs with a \$1.1 million budget.**



Desired Outcome: Clean Water



Pollution Prevention Division – Petroleum Cleanup 11-County Service Area





Thank you!

Alachua County,
Florida