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Agenda

Objectives:

- 1. Learn about updates in the State for Regional Water Planning
- 2. Learn about the progress on the agricultural water permitting program
- 3. Hear updates on the GA-FIT and HCP project
- 4. Hear briefings on fish consumption guidelines for the Flint River
- 5. Learn about sustainability and resilient design options

9:30 am	Registration
10:00 am	Welcome, Agenda Review, & Regional Water Planning Update – Mark Masters, GWPPC
10:15 am	Chair's Report – Chairman Campbell
10:25 am	GAEPD Report – Jennifer Welte, GAEPD
10:35 am	Agricultural Water Permitting Program Update – Marjie Roquemore, GAEPD
11:00 am	GA-FIT & HCP Update – Mark Masters, GWPPC
11:25 am	Fish Consumption Guidelines for Georgia Streams – David Dixon, Flint Riverkeeper
11:50 am	Resiliency – Dr. Lynn Abdouni, UGA Geospatial Analysis and Environmental Design
12:20 pm	Public Comment
12:25 pm	Next Steps – Mark Masters, GWPPC



12:30 pm Lunch & Adjourn

Introductions

MURRAY CAMPBELL

JENNIFER WELTE

Georgia EPD

CLETE BARTON

Georgia EPD

RUSSELL NIX

Georgia EPD

PARRIS MAGUIRE

Georgia EPD

GEORGIA
WATER PLANNING

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Regional Water Planning Lead:

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TIM FIELDS

Georgia EPD

MEAGAN TAYLOR

GWPPC

MARK MASTERS

GWPPC

SARAH SKINNER

GWPPC

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Council Advisor for:

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Lower Flint-Ochlockonee Council Members

Name	City	County
Chris Addleton	Cairo	Grady
J. Steve Bailey	Donalsonville	Seminole
C. LaDon Calhoun	Colquitt	Miller
Murray Campbell,		
Chair	Camilla	Mitchell
Marc E. DeMott	Moultrie	Colquitt
Frederick Dent	Sylvester	Worth
David Dixon	Leesburg	Lee
Hugh Dollar	Bainbridge	Decatur
Connie C. Hobbs,		
Vice Chair	Newton	Baker
Greg Hobbs	Thomasville	Thomas

Name	City	County
Michael A. McCoy		Dougherty
George C. McIntosh	Dawson	Terrell
Mike Newberry III	Arlington	Early
Calvin D. Perry	Moultrie	Colquitt
Walt Pierce	Edison	Calhoun
A. Richard Royal	Camilla	Mitchell
J. Stephen Singletary	Blakely	Early
Jay Smith	Albany	Dougherty
Mark Spooner	Donalsonville	Seminole
Steve Sykes	Camilla	Mitchell
Cory Thomas	Colquitt	Miller
James L. Webb	Leary	Calhoun
Rep. Gerald Greene		



Regional Water Planning Update

- Webinars
 - March 28th Hurricane Helene & Emergency Response
 - recording will be uploaded to GAEPD YouTube
 - Discussed how emergency response may be a topic to incorporate in the Regional Water Plans
 - May 8th Population Projections
- Council Member Survey
 - Brief survey will be sent out to update your contact information
- GAEPD is in the process of updating Council Member Appointments
- Joint Council Meeting Fall 2025



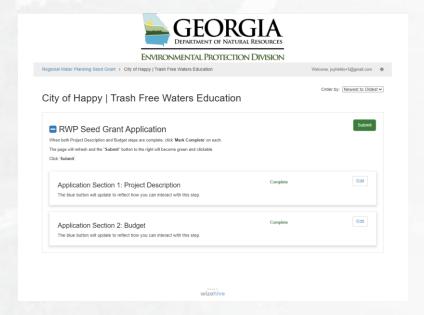


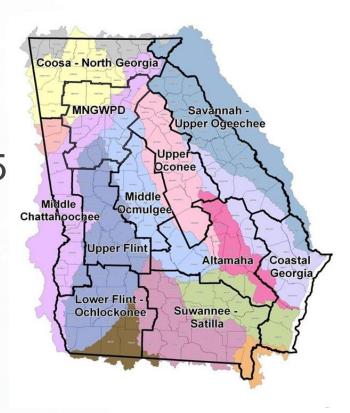




RWP Seed Grant Program

- No applications were submitted in this region for the FY25 seed grant cycle
- Next funding cycle will be announced in July 2025 with applications due by Oct. 31, 2025







FY2025 SECTION 319(h) GRANT



Currently accepting applications for projects that:

- ✓ Implement watershed management plans
- Address impaired waters
- Address nonpoint source pollution
- ✓ Install Best Management Practices (BMPs)
- Engage in partnerships
- Collect water quality data
- Result in measurable water quality improvement

Submit online applications via the 319(h) Grant Administration Portal (GAP) by APRIL 30, 2025

https://epd.georgia.gov/outreach/grants/georgia-319h-nonpoint-source-grant



FY2025 SECTION 319(H) GRANT

- Cost-Share: 60% Federal/40% Non-Federal Match
- No maximum or minimum Award most Federal grant amounts typically average \$150,000-\$400,000
- Preferred Project Period: 3 years
- Total Funding Available: FY2025 allocation is pending from USEPA

Who Can We Give Money To?

- State Agencies
- City or County Governments with Qualified Local Government status
- Regional Commissions
- Soil and Water Conservation Districts
- Resource Conservation and Development Councils
- Local and regional school systems
- State colleges and universities











ENVIRONMENTAL PROTECTION DIVISION

Agricultural Water Withdrawal Program Update

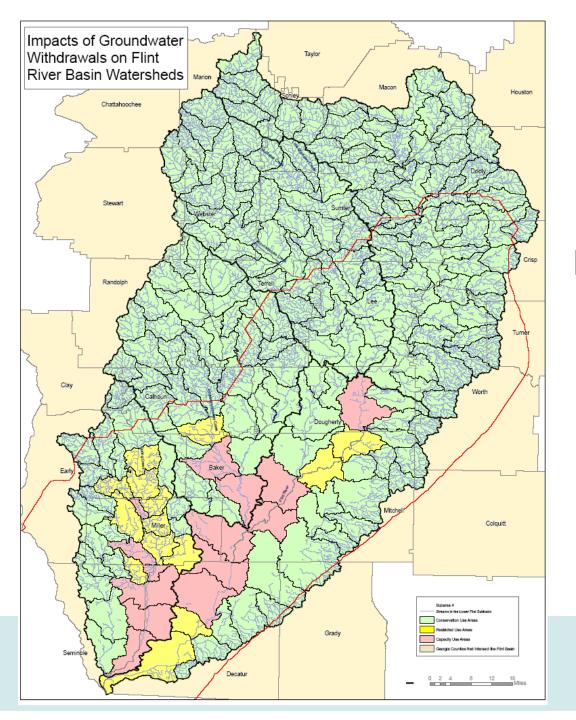
Lower Flint Ochlockonee Water Council Meeting April 10, 2025



- As of April 1, 2025, EPD is accepting applications on MODIFYING the 2012 Suspension (not LIFTING)
- Surface Water Withdrawals: The 2012 suspension will remain in place for the Flint. No new surface water withdrawals or expanded permitted surface water withdrawals.
- Permit Types (does not apply to Claiborne Aquifer Wells):
 - A) Unrestricted Permit An option for permit holders that are out of compliance on their existing FRB wells installed prior to 2000 (red zone) or prior to 2012 (green and yellow zone). Consistent with FRB 2006 Plan.
 - B) Drought Restricted Permit An option for new water sources and irrigated acres.
 Restricted from use during drought periods.
 - C) Volumetric Limited Permit An option for permit holders that are out of compliance on sources and acres. Will rely on the basin average application depth during the most critical drought year (2011) which was 15.94 inches.

^{*} Consistent with FRB Plan (2006): 25-year terms, Irrigation Efficiency Requirements, Water Conservation Plan, Metering





FLINT RIVER BASIN

RED, YELLOW, GREEN ZONES



Unrestricted Permit (no drought restriction conditions, no volumetric limits), yet consistent with the Flint River Basin Plan of 2006

- Unpermitted GW, SW, or W2P in a RED zone, AND Installed before December 1, 1999
 AND no irrigated acreage change.
- Unpermitted GW, SW, or W2P in a RED zone, AND Installed before December 1, 1999, BUT, has changed irrigated acreage. Case by case - Unrestricted permit based on acres seen in 1999 or before. For acres added post 2012, will have to consider compliance options, drill Claiborne well, drought conditioned permit or take acres out of irrigation.
 - *Irrigated Acreage verification is performed using aerial imagery and documentation beyond an affidavit to prove when the irrigated acres and/or source was installed.
 - **Aesthetic and recreational uses unpermitted no matter when installed will not be issued.



Unrestricted Permit (no drought restriction conditions, no volumetric limits), yet consistent with the Flint River Basin Plan of 2006

- Unpermitted GW, SW or W2P in a YELLOW or GREEN zone, AND Installed pre-2012, AND no irrigated acreage change since July 30, 2012.
- Unpermitted GW, SW or W2P in a YELLOW or GREEN zone, AND Installed pre-2012, BUT, changed irrigated acreage since July 30, 2012. Case by case Unrestricted permit based on acres seen on or before July 30, 2012. For acres added post 2012, will have to consider compliance options, drill Claiborne well, drought conditioned permit or take acres out of irrigation.
 - *Irrigated Acreage verification is performed using aerial imagery and documentation beyond an affidavit to prove when the irrigated acres and/or source was installed.
 - **Aesthetic and recreational uses unpermitted no matter when installed will not be issued.



Drought Restricted Permit

- GW or W2P Installed post-December 1, 1999 AND in the RED zone.
- GW or W2P Installed post-2012, AND in YELLOW or GREEN zone.
- New users who wish to install a Floridan well in the Red, Yellow or Green zone.

* If a permittee wishes to continue irrigating over their permitted amount, the permittee may agree to a permit with drought restrictions covering the full amount of permitted acres. EPD will not consider a situation where one permit will cover both acres without drought restrictions and acres with drought restrictions.



Over-irrigating Permitted Acres (have an issued permit) – Eligible for Permit Correction

- Permitted GW, SW, or W2P but irrigating acres in excess of permitted amount & acres added pre-December 1, 1999 AND in the RED zone.
- Permitted GW, SW, or W2P but irrigating acres in excess of permitted amount & acres added pre-July 30, 2012 AND in YELLOW or GREEN zone.



Over-irrigating Permitted Acres (have an issued permit) – Ineligible for Permit Correction

- Permitted GW, SW, or W2P but irrigating acres in excess of permitted amount & acres added post-December 1, 1999 AND in the RED zone. Case by case Unrestricted permit based on acres seen on or before July 30, 2012. For acres added post 2012, will have to consider compliance options, drill Claiborne well, drought conditioned permit or take acres out of production.
- Permitted GW, SW, or W2P but irrigating acres in excess of permitted amount & acres added post-July 30, 2012 AND in YELLOW or GREEN zone. For acres added post 2012, will have to consider compliance options, drill Claiborne well, drought conditioned permit or take acres out of production.



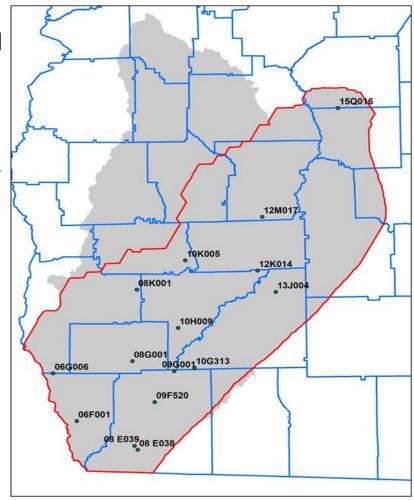
Volumetric Limited Permit

- An option for permit holders that are out of compliance on acres. Must have permitted GW, SW, or W2P and irrigating excess acres than allowed under the permit. Acceptable for RED, YELLOW, or GREEN zones.
- The permittee will accept the imposition of an annual volumetric limitation in the permit in exchange for the removal of acreage limitation and thus resolving the compliance case.
- Also, an option for a permit holder that is in compliance today but wishes to expand their irrigated acres and accept volumetric conditions.
- Will rely on the basin average application depth during the most critical drought year (2011) which was 15.94 inches.
- For each year (and associated growing season), the permittee has a fixed volume of water (15.94 inches) under the permit and can decide when to apply it, subject to the annual volume limitation.



DROUGHT RESTRICTION DETERMINATION

- EPD will use data from 15 USGS monitoring wells located in the suspension area.
- EPD developed a trigger: if any five of the 15 wells fall below their monthly 10th percentile water level, the entire suspension area is placed under drought restrictions.
- EPD checked the trigger level against historic data:
 - A six-month precipitation deficit of 7-8 inches correlates well to the trigger.
 - The trigger clearly identifies significant droughts (2000, 2002, 2007, 2011, 2012) and does not capture any non-drought years.





DROUGHT CONDITIONS

- EPD will make a drought restriction determination daily. This determination will be posted to the EPD website and shared through text and email.
- Permittees must check daily whether a drought restriction is in place.
 - If a drought restriction is not in place, the permittee may withdraw water from the Floridan aquifer.
 - If a drought restriction is in place, the permittee may not withdraw water from the Floridan aquifer. Permittees must complete any irrigation application initiated before drought restrictions are put in place within 24 hours of a drought restriction being put in place.



METERING REQUIREMENTS

- New and modified permits will require the standard requirements for metering agricultural
 water use, as well as requiring an EPD prescribed telemetry unit capable of transmitting
 withdrawal information on an hourly basis.
- This telemetry unit would assist with assessing compliance of the drought restrictions included in this permit.
- A new permittee would pay for the telemetry capable meter; however, the State would be responsible for the cost of the telemetry unit.



HB 143

- Carried by Chairman Robert Dickey
- Unanimous vote in the House 2/27/2025 & Senate 3/25/2025
- Headed to the Governor's desk for signature
- Key changes
 - Returning to the State the responsibility of metering for permits for which a modification, amendment, transfer, or assignment is effective on or after April 20, 2018.
 - Remove the requirement for farmers to install infrastructure within five years of being notified that a site lacks withdrawal or irrigation infrastructure.
 - Authorize EPD Staff to Undertake Maintenance and New Meter Installs in Specific Cases
- This legislation did not require additional state funding and will eliminate
 3,800+ compliance cases with a farmer cost savings of around \$9.5 million.



Marjie Roquemore

Program Manager, Agricultural Water Withdrawal Program

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EPD Tifton Office:

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Main: 229-391-2400







Project Purpose

To restore and protect flow in the Lower Flint River Basin to benefit farmers and natural systems.

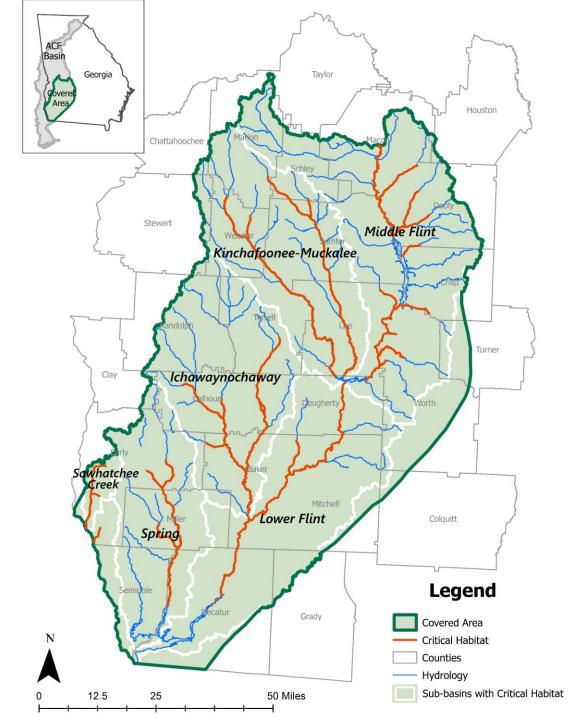
Project Implementation

- Stakeholder-driven water management planning with a focus on development of a Habitat Conservation Plan (HCP)
- Monitoring and assessment of groundwater and aquatic ecosystems
- Installation of deep groundwater wells at sites of existing agricultural surface water withdrawals (DroughtSWAP)
- Improved management capacity (conservation, technology, easements, voluntary incentives, augmentation)
- New state permitting policies for future withdrawals including drought restrictions and revised enforcement procedures









Habitat Conservation Plan (HCP)

- A planning document designed to accommodate economic activity to the extent possible by authorizing the limited and unintentional take of listed species when it occurs incidental to otherwise lawful activities.
- 1982 Amendments to Endangered Species Act:

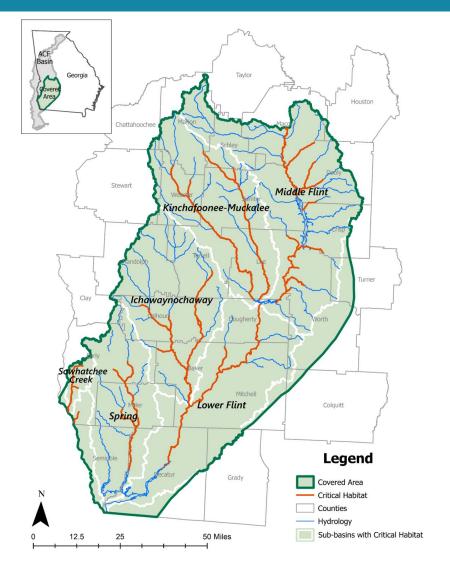
Allow take of listed species incidental to otherwise lawful activities, with the issuance of an Incidental Take Permit (ITP) and provided that the ITP holder implements a Habitat Conservation Plan (HCP).

- Non-federal entities can apply for an Incidental Take Permit if they have developed a Habitat Conservation Plan.
- Applicants can include private citizens, corporations, Tribes, States, and counties.

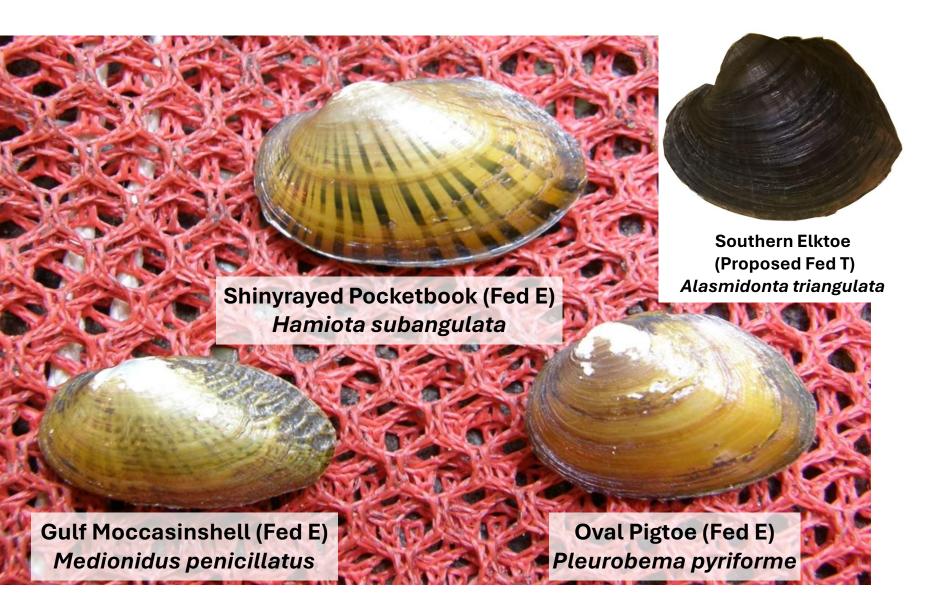
Take: "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" a protected species

Lower Flint Region HCP Summary

Covered Species Six listed species of freshwater mussels Lower Flint River Basin (5 HUC 8's), Subarea 4 **Covered Area** (Georgia portion), Sawhatchee Creek ITP Permit Applicant State of Georgia & Holder Covered Activity Agricultural water withdrawal program Hydrologic and habitat modeling (BEAM, **Estimating Take &** Jones-Torak, HEC-RAS, Bayesian Network Impact biological model)



Listed Freshwater Mussels of the Flint Basin





Fat Threeridge (Fed E)

Amblema nieslerii



Purple Bankclimber (Fed T) Elliptoideus sloatianus

HCP Table of Contents

Executive Summary

- 1. Introduction
- 2. Covered Activities
- 3. Covered Species
- 4. Environmental Setting and Biological Resources
- Potential Biological Impacts and Take Assessment
- 6. Conservation Program

- 7. Changed and Unforeseen Circumstances
- 8. Funding
- 9. References

Appendices

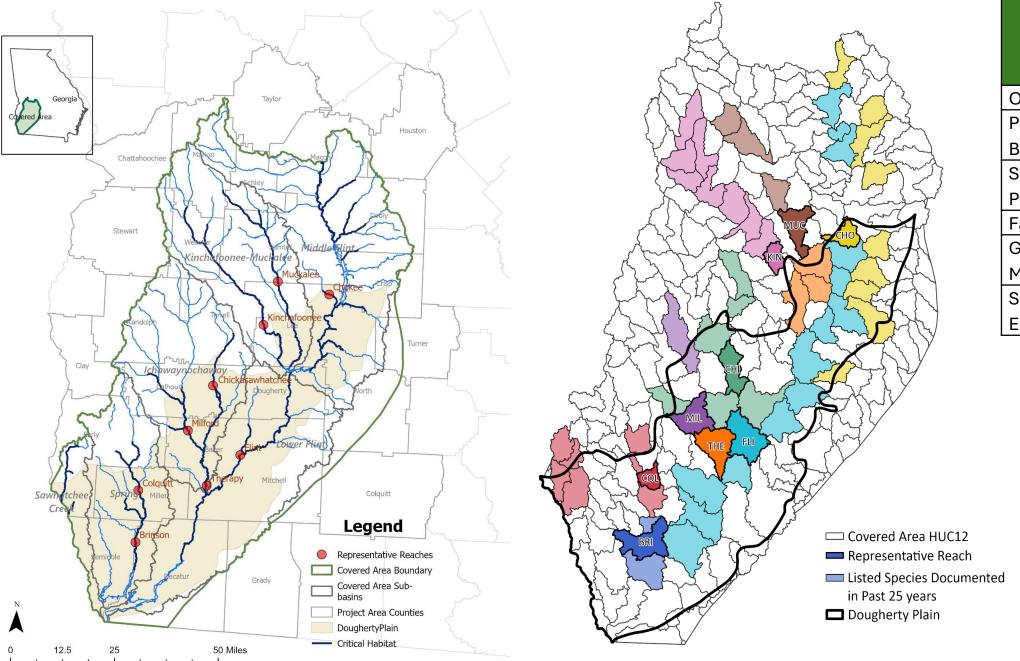
Sections 5 & 6

Section 5 Potential Biological Impacts and Take Assessment

- 5.1 Direct and Indirect Impacts
- 5.2 Anticipated Take of the Covered Species
- 5.3 Anticipated impacts of Take on Critical Habitat
- 5.4 Anticipated Impacts of the Taking

Section 6 Conservation Program

- 6.1 Biological Goals and Objectives
- 6.2 Measures to Avoid and Minimize Take
- 6.3 Measures to Mitigate Unavoidable Take
- 6.4 Monitoring Plan
- 6.5 Adaptive Management Strategy
- 6.6 Reporting



Covered Species	Occupied Reaches Stream Miles
Oval Pigtoe	159.1
Purple Bankclimber	143.6
Shinyrayed Pocketbook	298.8
Fat Threeridge	7.4
Gulf Moccasinshell	96.4
Southern Elktoe	44.7

Modeled Number of Impact Days	
Flow below the Habitat Impact Level	

Representative Reach	Rep	resen	tativ	e Rea	ch
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Representative Reach	Status Quo Scenario	HCP Scenario	HCP with Risk of Take Scenario
Muckalee Creek	1,242	1,236	1,272
Kinchafoonee Creek	1,056	994	1,132
Chokee Creek	1,370	1,370	1,371
Chickasawhatchee Creek	773	732	945
Ichawaynochaway Creek- Milford	565	400	809
Ichawaynochaway Creek - Therapy Shoals	614	511	887
Spring Creek – Colquitt	918	870	1,027
Spring Creek – Brinson	1,172	1,164	1,222
Flint River - Newton	313	282	462

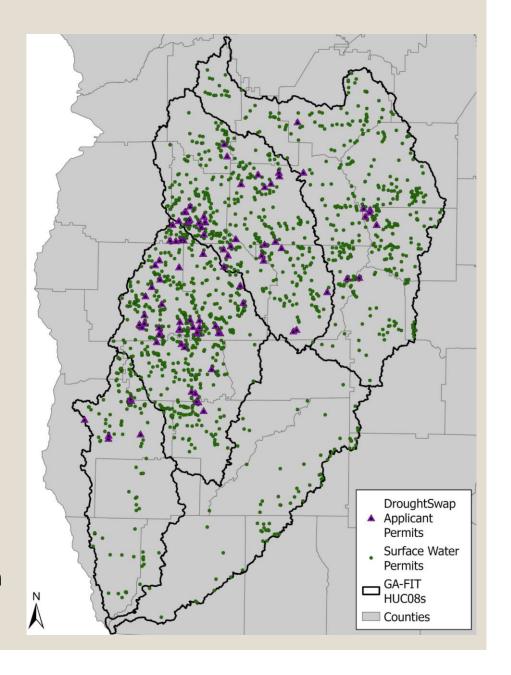
HCP Management Measures to Avoid and Minimize Take			
Management Measure 1	Drought Period Source Switching (Drought SWAP)		
Management Measure 2	Conservation Planning		
Management Measure 3	Agricultural Water Use Measurement and Efficiency Programs		
Management Measure 4	Continued Suspension for New and Modified Surface Water Withdrawal Permits (Lower Flint River Basin)		
Management Measure 5	Drought Period Permit Conditions		
Management Measure 6	Enhanced Agricultural Water Withdrawal Permit Compliance Protocols		
Management Measure 7	Targeted Flow Augmentation during Critical Periods		
HCP Management Measures to Mitigate Take			
Mitigation Measure 1	Sedimentation Controls		
Mitigation Measure 2	Improve Understanding of Covered Species and Their Habitat		

DroughtSWAP

Installation of deep groundwater wells at sites of existing agricultural surface water withdrawals (DroughtSWAP)



- Monitoring well network installed
- Recruitment and application process
- Field assessment of sites and prioritization
- Contracting with landowners & well drillers
- Permitting by GAEPD
- Development or update of farm conservation/irrigation management plan



Drought SWAP -- Projected Implementation

Watershed	Irrigated from Surface Water <i>acr</i> es	Projected for Drought SWAP Installations acres	Estimated Flow Benefit during Drought SWAP Operations cfs
Middle Flint	16,513	958	1.73
Kinchafoonee-Muckalee	24,757	4,342	6.83
Lower Flint	1,136	0	0
Ichawaynochaway	42,820	8,773	13.54
Spring	3,945	690	1.20
Sawhatchee Creek	2,140	0	0
To	t al 91,311	14,763	

Monitoring Plan

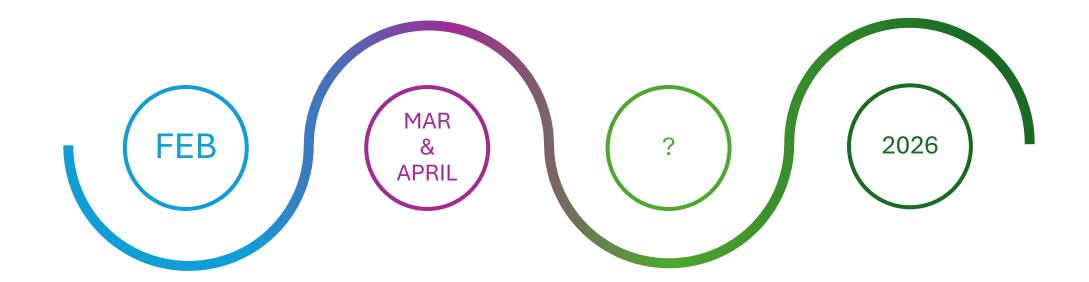
Effectiveness

- Management measure implementation
- Flow response and associated habitat
- Mussel population response

Compliance with ITP

- Management measure implementation
- Cumulative estimated take
- Adaptive management plan implementation

Metric	Level	Response
Management measure implementation • Assess progress annually	Assess relative to habitat benefits projected for HCP Section 6 Management and Mitigation Measures	Evaluate whether additional implementation is needed
Compliance with management measures (Drought SWAP, withdrawal permits, drought restrictions for new/expanded withdrawal permits)	Compliance level <50%	Assign additional staff and develop new education/outreach for regulated community
	Compliance level <25%	Re-evaluate compliance protocols
Observed Flow below Habitat Impact Level • # of days below Habitat Impact Level • Assessed for each representative reach every 5 years	# of days > 150% of SQ	Reassess Habitat Impact Level for any reach above 150% of SQ



COMPLETE HCP

Advisory Board review (Feb 18) Finalize document (Feb 19-28)

USFWS REVIEW

Initial review Revisions if needed

NEPA & BIOLOGICAL OPINION

Formal review of HCP under National Environmental Policy Act and Endangered Species Act

ITP

Targeted a 2026 conclusion of reviews/approval for HCP and issuance of ITP

GA-FIT Advisory Board

- Murray Campbell, farmer & Lower Flint-Ochlockonee (LFO) Water Council (Chair)
- Donald Chase, farmer & Upper Flint Water Council
- David Dixon, Miller Brewing (retired) & LFO Water Council
- Tommy Dollar, farmer, Dollar Farm Products
- Adam Graft, farmer & Upper Flint Water Council (Chair)
- Connie Hobbs, Baker County Commission (Chair) & LFO Water Council
- Tom McCall, Georgia Farm Bureau (President)
- Marty McLendon, farmer & Flint River S&W Conservation District
- T.E. Moye, farmer & Georgia Federal-State Inspection Service (President)
- Andy Payne, farmer and Lower Chattahoochee S&W Conservation District
- Gordon Rogers, Flint Riverkeeper & Upper Flint Water Council
- Richard Royal, LFO Water Council
- Jayme Smith, City of Colquitt, Economic Development
- Jimmy Webb, farmer & LFO Water Council

Technical Support Team













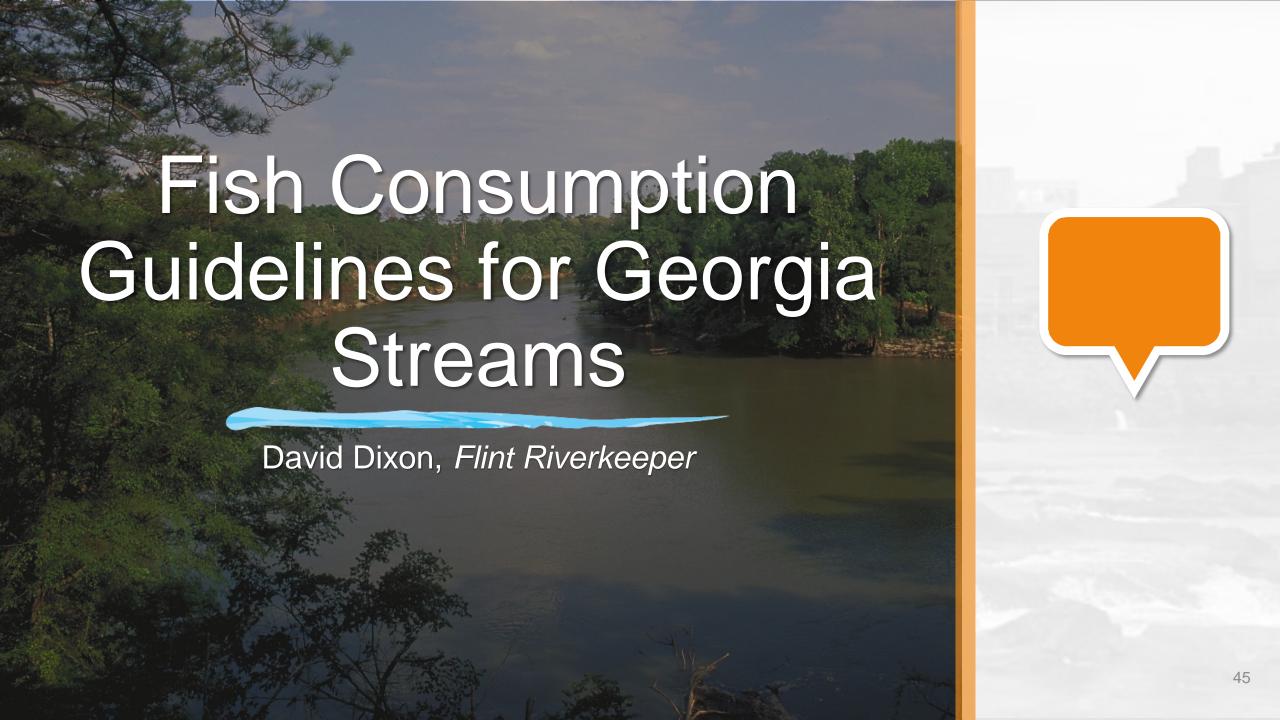




...and others as needed.



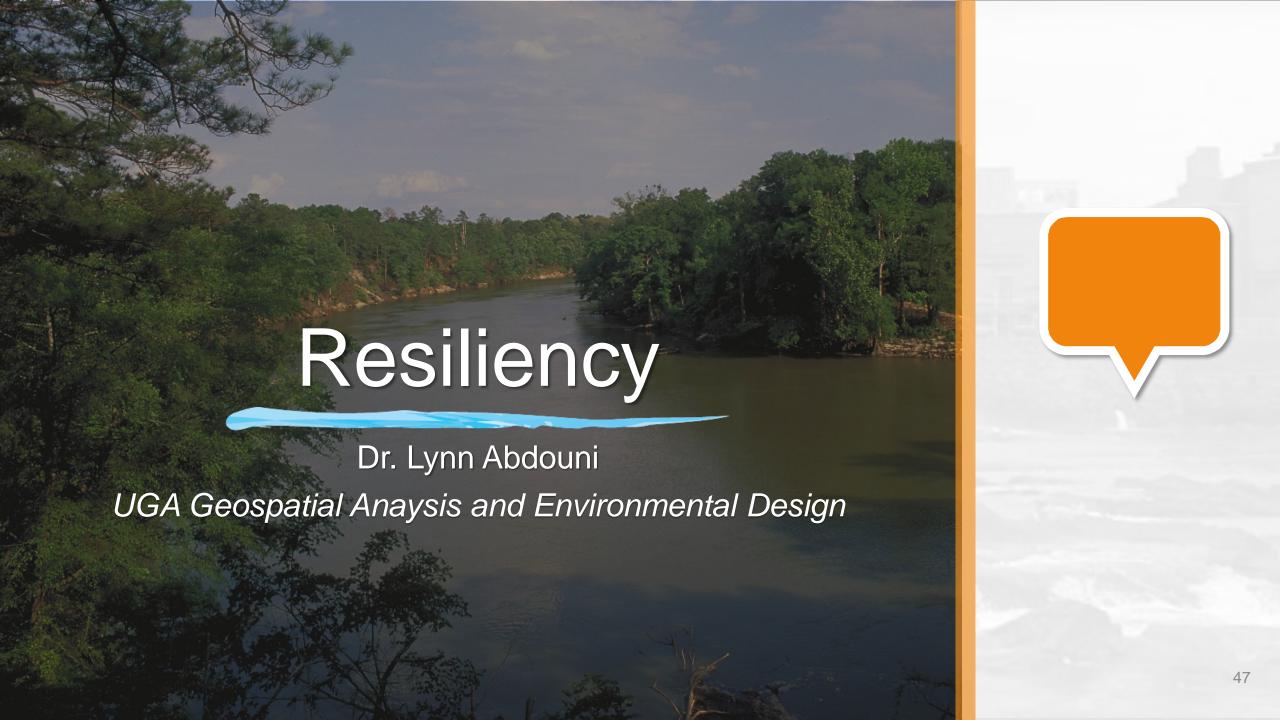




Fish Consumption Guidelines for Georgia Streams

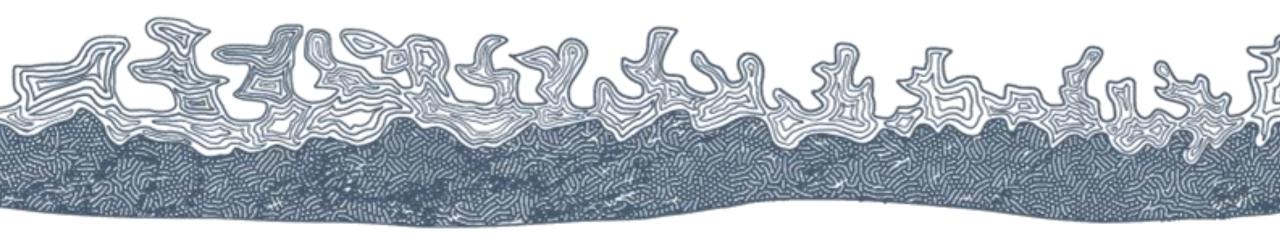
 https://epd.georgia.gov/https%3A/epd.georgia.gov/assessment/fishconsumption-guidelines







Review of Georgia's Climate Resilience and Adaptation Needs



Team





Brian Bledsoe Director



Zak Ruehman Director of Engineering Services



Gin Bacon Talati Director of Operations



Gabrielle Pierre Senior Research Fellow



Lynn Abdouni Associate Research Scientist

(Not pictured) Carly Ornstein

Hazards in Georgia







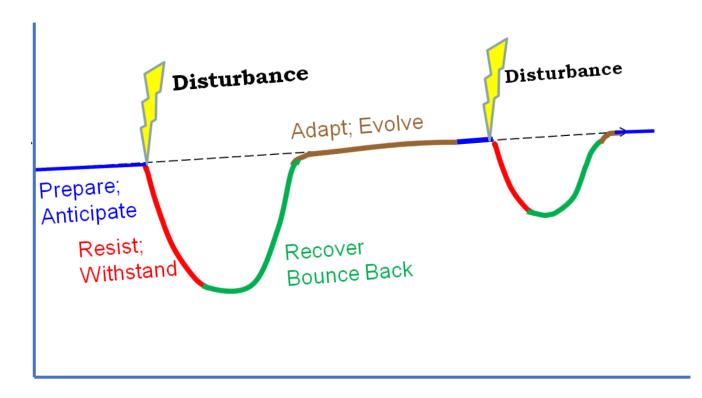


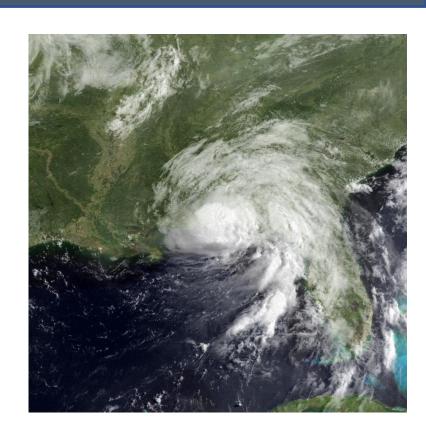


About Resilience







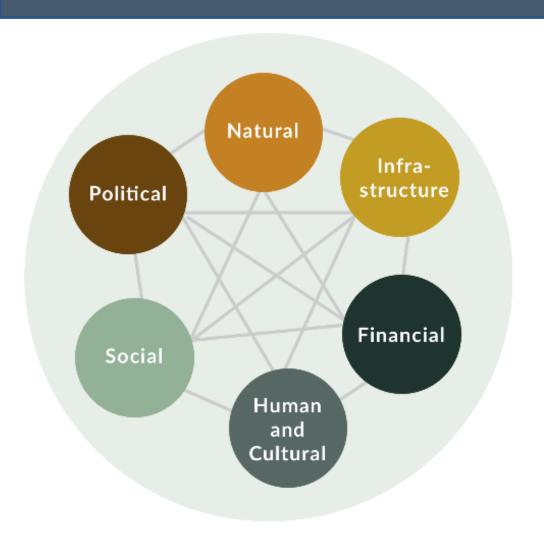


Time

Resilience: the ability of a *system* to **Prepare for, Resist, Recover,** and **Adapt** to achieve functional performance under the stress of disturbances through time.

Regional Resilience Roundtables



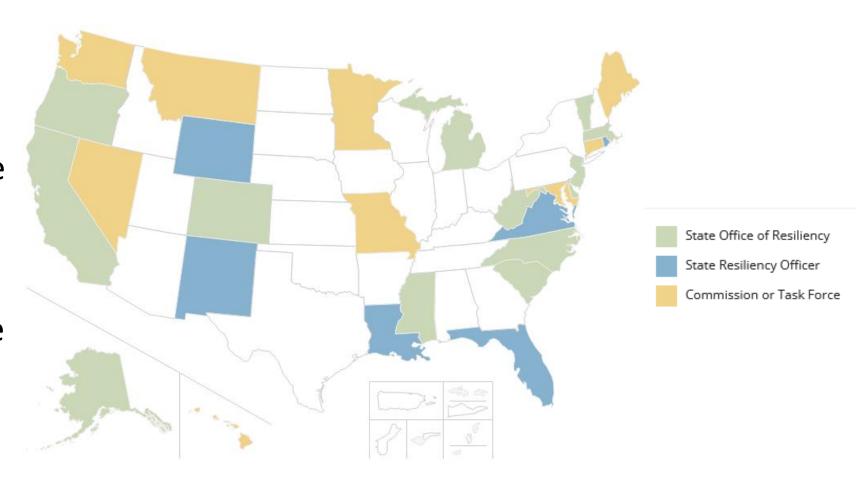


	Absorb	Recover	Adapt
Water			
Power			
Food and			
Fiber			
Transport			
-ation			



Moving to action:

- Key elements of a statewide initiative
- Initial priorities for implementation
- Roadmap for first
 1-2 years to hit the ground running

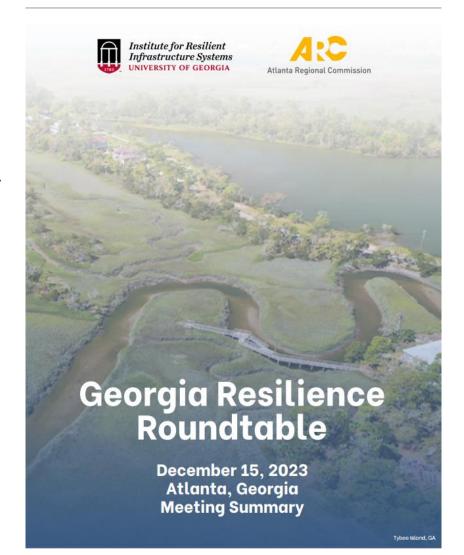


Georgia Resilience Roundtable 2023



Key Takeaways

- Resiliency projects exist but not coordinated
- Involve communities in projects and build trust
- Coordination needed among policymakers, professionals, practitioners, and public
- Need embedded staff across sectors with resources to help create resilience opportunities



Findings from the 2023 convening inspired further research



CONVENE

community
meetings across
Georgia to learn
about needs and
gaps for resilience
planning, and
recommendations
to address

ASSESS

Assess and characterize: regional climate and disaster risks and vulnerability, socially vulnerable regions potential, climate risks to critical infrastructure and community services

IDENTIFY NEEDS

Identify resource needs and gaps limiting planning and implementation

IDENTIFY SCALABLE MODELS

Identify existing models and examples of resilience-building activities that may be scaled and replicated statewide

DEVELOP INTERIM FINDINGS

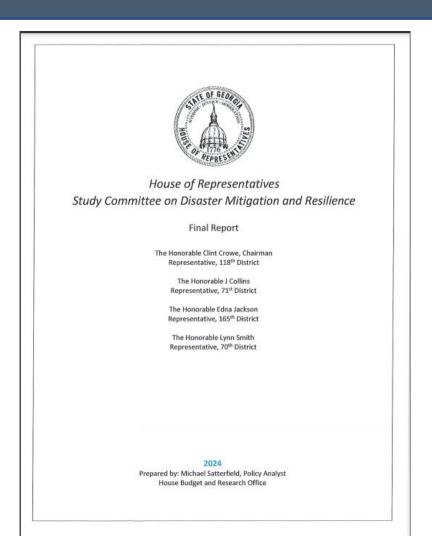
Develop interim findings and recommendations to enhance long-term resilience planning and investment in Georgia

Georgia House Study Committee Findings



Key Takeaways

- Final report released in late 2024
- Further deliberations on how this will get implemented are on-going in the current GA state legislative session
- Recommendations included:
 - Establishing a State of Office of Resilience and Chief Resilience Officer, administratively attached to the Georgia Emergency Management Agency
 - Update 911 technology, create reforestation tax credit to benefit forestry industry, landowners etc. affected by Helene, suggest revisions to the state building code for assisted living to have back up power/redundancy measures



TIMELINE Outreach Plan & Spatial Data Research Design JUNE JULY **AUGUST** SEPTEMBER OCTOBER NOVEMBER DECEMBER January **FEBRUARY** MARCH APRIL JUNE JULY **AUGUST**

Report

Development

NW Report

NE / Middle Report

SE Report

SW Report

Report in Brief

Mountains Report

(Forthcoming)

Final Report (Forthcoming)

CONVENING LOCATIONS



HAZARD INSIGHTS



Flooding is recognized as the most widespread and persistent hazard statewide, but its impacts vary by geography. Aging stormwater infrastructure and increasing development pressures are intensifying flood risks.



Wind hazards, including hurricanes, tornadoes, and severe thunderstorms, are resulting in more frequent and intense impacts and infrastructure disruptions. Above-ground power lines, mobile homes, and warehouses remain highly susceptible to wind damage.



Extreme temperatures such as extreme heat and cold snaps are increasing in frequency. Energy demand surges during extreme temperature events, leading to rolling blackouts and infrastructure system failures.



Drought has become a growing concern for water supply, agriculture, and food security. Fragmentation in regional water management further complicates prolonged dry spells, especially for counties relying on single-source water supplies.

Overall Methodology



APPROACH

Engaged local stakeholders, policymakers, and community leaders.

Facilitated discussions on key resilience topics: economic, social, environmental, and infrastructure resilience.

DATA COLLECTION

Mentimeter Surveys

Lightning Talks

Roundtable discussions

Breakout discussions

Case studies

One-on-one zoom calls

ANALYSIS FRAMEWORK

Focused on identifying common themes, region-specific challenges, and exemplary practices.

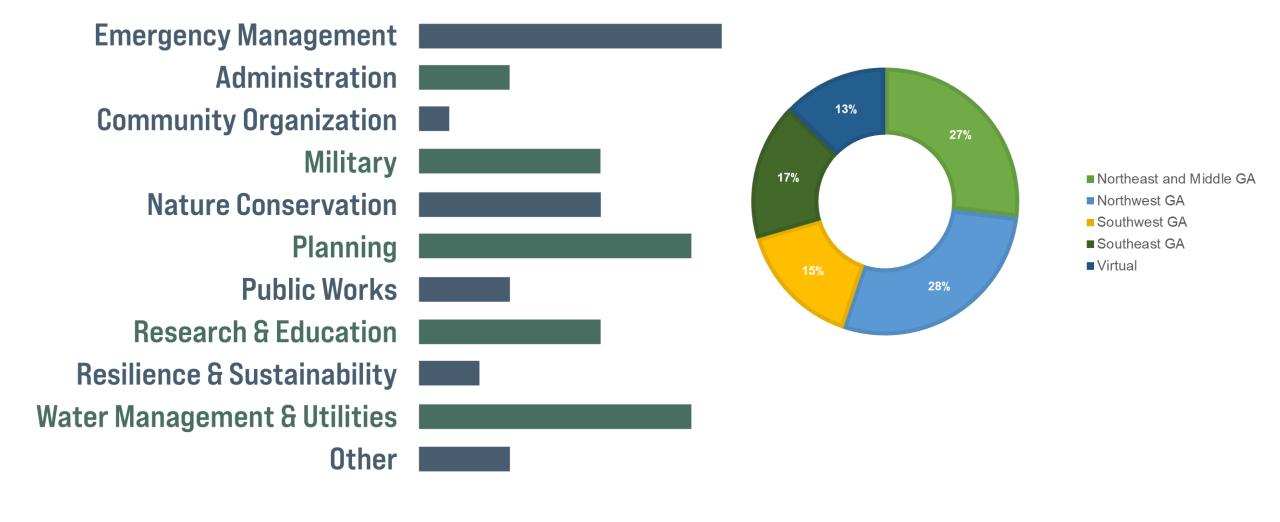
Regional Resilience Roundtables



- Identify the most common weather and climate-related hazards to the region and potential impacts on local infrastructure, economy, and natural resources.
- Improve mutual understanding of regional resilience efforts, including policy and infrastructure initiatives.
- Identify resource needs and gaps limiting planning and implementation.
- Recognize examples of local resilience efforts and opportunities for improved coordination across the region.
- Identify existing models and examples of resilience-building activities that may be scaled and replicated statewide

We had 80+ participants statewide in our regional convenings and conversations





Our statewide Convening, March 11th





Identified Resilience Gaps



INFRASTRUCTURE VULNERABILITIES

- Aging stormwater
 infrastructure, not sized
 for present day
 rainfall/stormwater
 flows
- Outdated building codes for today's hazards today
- Power grid vulnerabilities including reliance on aboveground lines etc.

LACK OF GOVERNANCE COORDINATION

- Disconnects among state, regional, and local planning
- Rigid and inconsistent land use and zoning policies
- Limited interjurisdictional collaboration on watershed and stormwater management

FUNDING & CAPACITY ISSUES

- Challenges in obtaining grants (federal and state)
- Limited grantwriting and administrative staff in local governments
- Lack of publicprivate partnerships in resilience efforts

DATA & PUBLIC AWARENESS GAPS

- Outdated floodplain maps
- Difficulty accessing and interpreting authoritative and updated data
- Limited access to technical expertise and tools
- Lack of public education on resilience measures

Key Identified Resilience Opportunities



INFRASTRUCTURE & DEVELOPMENT

- Strengthen building codes for flood- and wind-resistant structures, including special layers of support for lowincome residents
- Expand investment in underground power lines and smart grids where feasible
- Develop a more robust statewide water management strategy, e.g. improving drought resilience

STATEWIDE AND REGIONAL COORDINATION

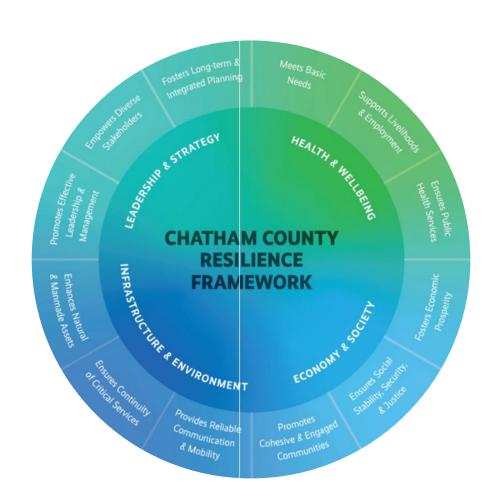
- Establish a Georgia statelevel entity to coordinate efforts and provide guidance, resources, and technical support
- **Develop regional task forces** for multi-county resilience planning etc.
- Encourage cooperation between cities and counties through resilience coalitions

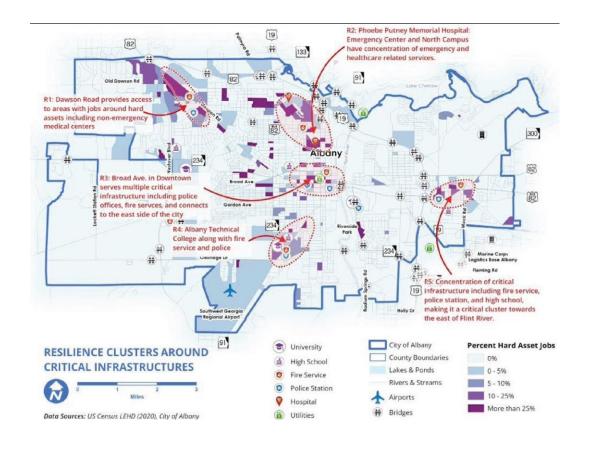
FUNDING & PUBLIC AWARENESS

- Create state-level resilience funding programs to assist with matching funds etc.
- Improve public education on resilience investments and long-term cost savings
- Develop a centralized statewide hazard and resilience framework including resilience metrics and templates to assist with data-based decision-making and fill expertise gaps.

Exemplars







Standout Ideas from the Convenings

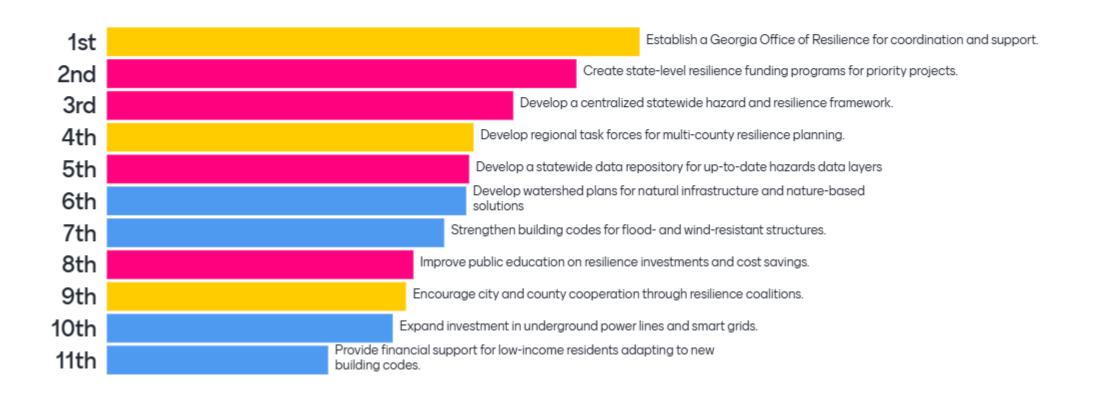


- Develop a centralized statewide hazard and resilience framework including resilience metrics and templates to assist with data-based decision-making and fill expertise gaps
- Develop a statewide data repository for up-to-date hazards data layers
- Innovative methods for preventing/recovering from grid interruptions such as silicone coating electrical wires and localized sub grid systems for wind and tree related outages
- Develop a more robust statewide water management strategy, e.g. improving drought resilience, watershed plans for natural infrastructure and nature-based solutions for flood risk reduction and other benefits

Standout Ideas from the Convenings



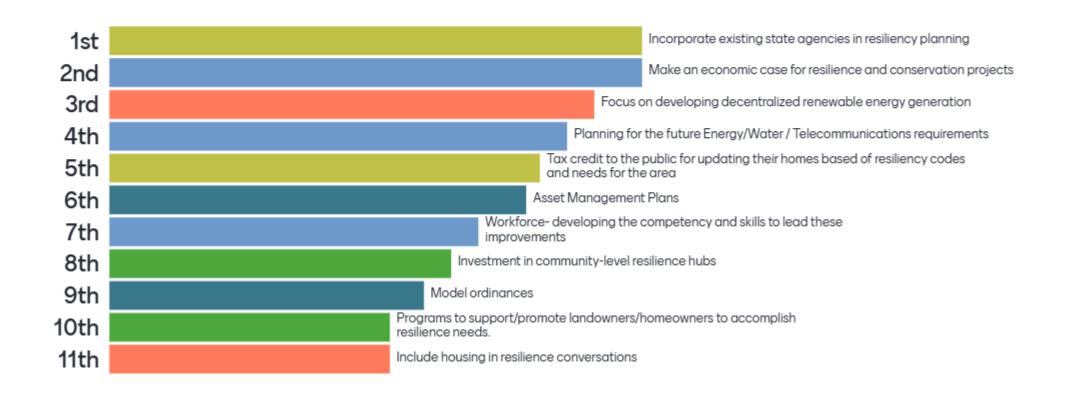
Rank these ideas from most promising to least promising based on their potential impact and feasibility.



Standout Ideas from the Convenings



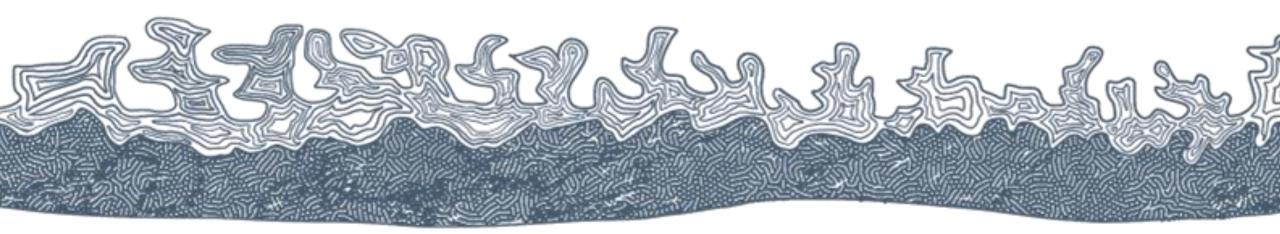
Rank the following by impact and feasibility





Thank you

please contact me at abdouni@uga.edu if you have any questions, thoughts, or ideas











Next Steps

- Future Council meetings
 - Look out for emails for scheduling
 - Additional topics of interest for council meetings or upcoming Webinars
 - Joint meetings between neighboring Councils
- Look out for the member survey
- Implementation Assessments
- Who does the Council feel should be a part of the conversation in their region?
 - Invite others to join us!









