Board of County Commissioners

Chapter 15, Article X Wetland Conservation Areas Ordinance

Policy Discussion Work Session

April 11, 2023



Presentation Outline

- Background
- **■** Key Recommendations
- Summary
- Next Steps



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- December 2021: Work session on current wetland permitting and review processes
- Fall/Winter 2022: Wetland tours
- December 2022: Work session on Regulatory Framework Study
 - -Article X outdated; out of sync with policy and procedures
 - Numerous regulations and policies at the State and other counties may be of benefit for consideration in a new Orange County code
 - During interviews with staff, consultants and NGOs, important feedback and ideas for consideration in the ordinance update were received

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Stakeholder Feedback Received during Regulatory Framework

Counties

- Exemptions or a General Permit for minimal impact activities
- One-step review process (no CAD)
- Staff issue most permits
- Reasonable use criteria and avoidance/minimization
- UMAM functional assessment
- Buffers ~25-50 ft, but some greater along specific system types
- Most have addtl. requirements for env. sensitive zones, connectivity

Consultant

- Implement exemptions or streamlined processes
- Consolidate CAD/CAI processes
- Remove classification system
- Allow for/prioritize urban in-fill
- No cumulative wetland impact review criteria
- Recommend similar upland buffers as State (min. 15 feet, avg. 25 feet)
- Adopt additional upland buffers to protect rare habitat

NGOs

- All wetlands should be protected
- Allow EPD staff to authorize most applications
- Include avoidance/minimization
- Strengthen listed plant species protections
- Do not assume State permitting authority
- Minimal amendments to existing conservation easements
- Adopt additional buffers



January 2023: Work session on State of the Wetlands Study

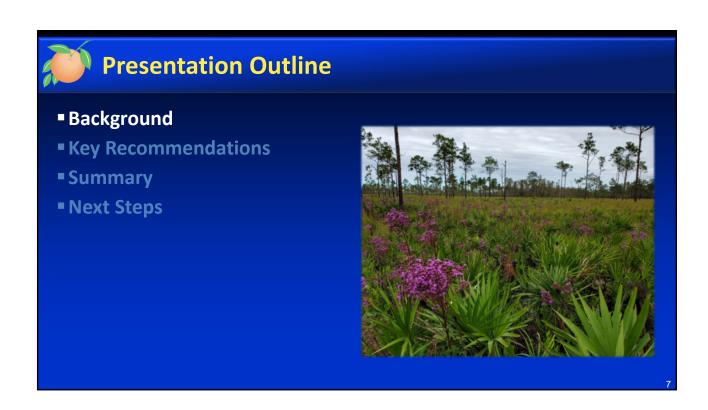
- Approx. 5.6% loss of wetland acreage County-wide from 1990-2020 (excluding Lake Apopka North Shore restoration area)
- Most acreage loss in wet prairies (37%) mixed wetland forested/hardwoods systems (19%)
- Moderate decline in contiguity and increased fragmentation for freshwater marshes and wet prairies;
 most wetland types showed increases in fragmentation
- Many onsite mitigation sites showed functional losses after 10 years: these were highest for shrub systems, followed by freshwater marshes and mixed hardwoods
- Exotic vegetation was often observed in the edges of the systems (initial 25')
- Higher level of assessment is needed when considering preserving/planting an upland buffer
- February 2023: Focus group with County staff to discuss initial recommendations

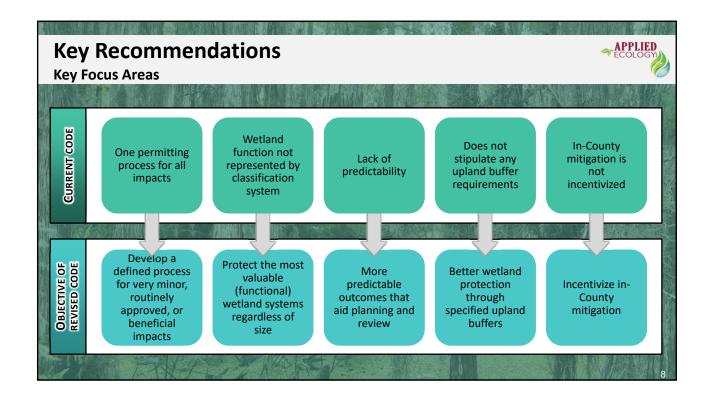
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■ Goals of today's work session

- -Present initial draft recommendations
- Receive input from the Board on concepts and initial direction of the wetland ordinance update
- Post Work-session (next 3-4 mos)
 - Discuss Board direction with stakeholder groups
 - -Integrate feedback and refine recommendations
 - -Develop draft ordinance







Major Recommendation Topics

- 1. Tiered Permitting Approach
 - a. Noticed General Permits
 - b. Standard Permits
- 2. Additional Special Protection Areas
- 3. Establishing Upland Buffers
- 4. Mitigation Approach



Key Recommendations

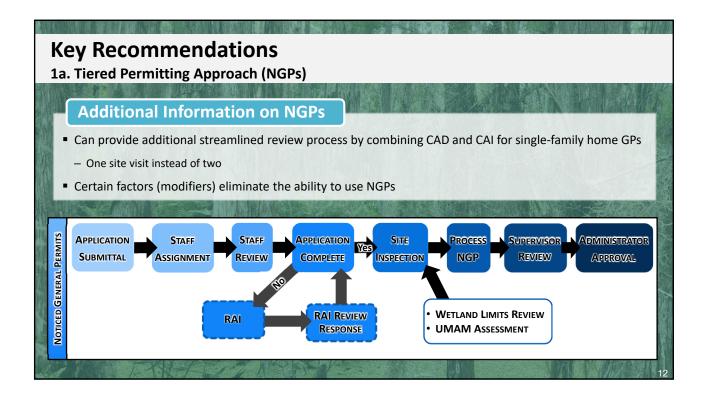
1a. Tiered Permitting Approach (NGPs)

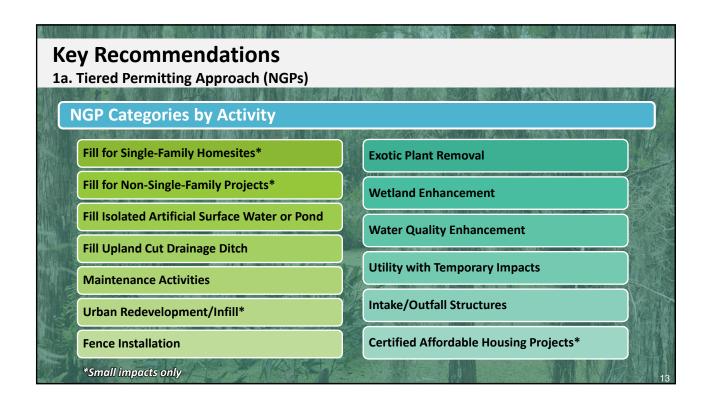
What is a Noticed General Permit (NGP)?

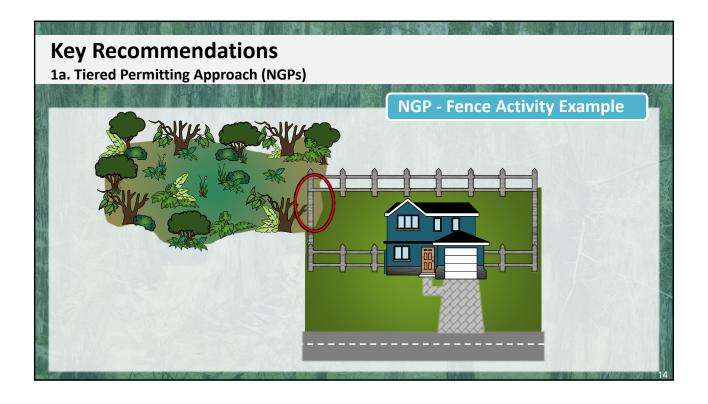
- ACOE, State, and some municipalities have developed GPs
- For small wetland impacts
- Applicable to specific types of activities
- Criteria must be met by activity type
- Activity causes minimal individual and cumulative impacts
- Requires application submittal, review, and approval

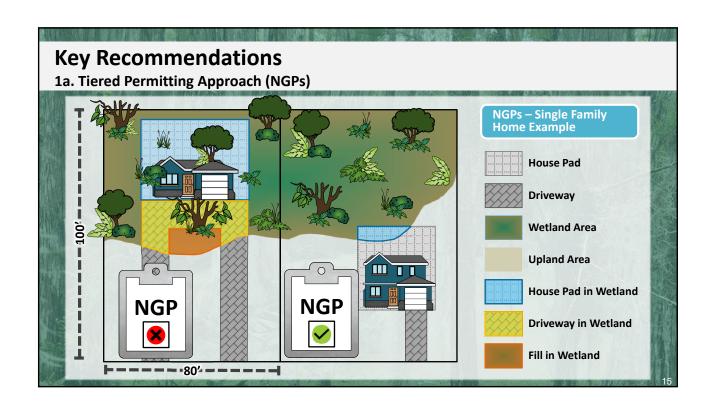
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existing data sources, gathering and this burden estimate or any other as Washington Headquarters. Executive Washington Headquarters. Executive Budget, Papewarth Reduction Project subject to any penalty for failing to or RETURN your from to either of those the proposed activity. Authorities: Rivers and Harbors Act. Act. Section 103, 33 USC 1413; Rep this form will be used in evaluating the Sected, state, and local government of requested information is voluntary of original drainings or good response.	maintaining the data needed, and o occor of the collection of information. Services and Communications Din (g 171-0003). Reproducts studied in the collection of information activesses. Completed application PRIVACY Section 10, 33 USC 403: Clean Wat studied to the collection of a parent. Floating it application for a parent. Floating it was provided to the collection of a provided in the collection of a parent point.	11 hours per response, including the time monitoring and reviewing the collection of including suggestions for recovering this but excludes, literatural has a superior superior of 1 fl does not display a currently valid CMIs in 1 fl does not display a currently valid CMIs on must be submitted to the Clastic Right (ACT STATEMENT or ACL. Section 464, 33 USC 1344. Marrier ACL. Section 464, 33 USC 1344. Marrier for ACL. Section 464, 33 USC 1345. Marrier to ACL. Section 464, 33 USC 1345. Marrier to ACL. Section 464, 33 USC 1345. Marrier to ACL. Section 464, 33 USC 1345. Marrier for ACL. Section 464, 33 USC 1345. Marrier	formation. Send comments regarding from to Depters of Defense, and to the Office of Management and and to the Office of Management and located number. Please DO NOT r having jurisdiction over the location of Protection, Research, and Sanctuaries signal Purpose: Information provided on the Department of Justice and other as required by Federal Liss. Submission for the State of the State to the state of the sanction (see the State of this application (see the State of the S	
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	(ITEMS BELOW TO	BE FILLED BY APPLICANT)		
. APPLICANT'S NAME		8. AUTHORIZED AGENT'S NAME A	ND TITLE (agent is not required)	
First - Middle -	Last -	First - Middle -	Last -	
Company -		Company -		
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I. APPLICANT'S ADDRESS:		9. AGENTS ADDRESS:		
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	STATEMENT	F OF AUTHORIZATION		
I hereby authorize.	to act in my beha	of as my agent in the processing of this ap	olication and to furnish, upon request.	
upplemental information in support of	this permit application.			
	SIGNATURE OF AP	PLICANT DATE		
	NAME, LOCATION, AND DES	CRIPTION OF PROJECT OR ACTIVITY		
2. PROJECT NAME OR TITLE (see	instructions)			
13. NAME OF WATERBODY, IF KNOWN (Fapplicable)			14. PROJECT STREET ADDRESS (f applicable)	
		Address		
5. LOCATION OF PROJECT adjude: -N	Longitude: -W	City -	Itate- Zip-	
6. OTHER LOCATION DESCRIPTION				
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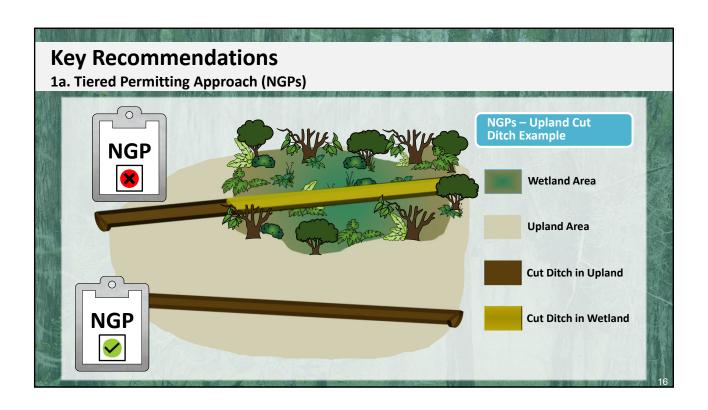
| Captures common activities typically approved by the County; facilitates reduction of time and costs to customers and staff | Simplified application process using a checklist | Reduces Requests for Additional Information (RAIs) | Allows for appropriate allocation of staff resources to those projects with more significant impact on natural resources













Major Recommendation Topics

- 1. Tiered Permitting Approach
 - a. Noticed General Permits
 - b. Standard Permits
- 2. Additional Special Protection Areas
- 3. Establishing Upland Buffers
- 4. Mitigation Approach



Key Recommendations

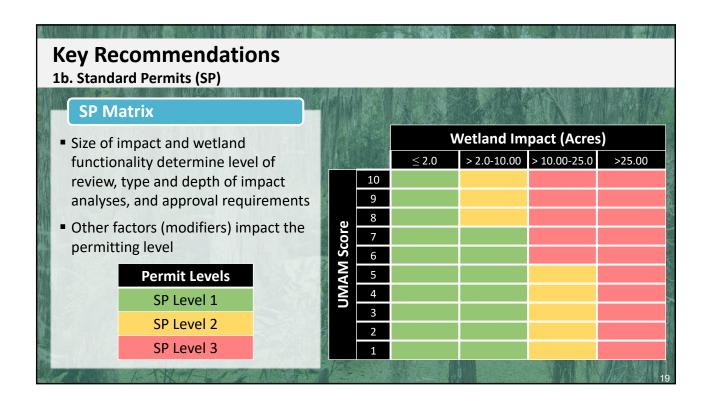
1b. Standard Permits (SP)

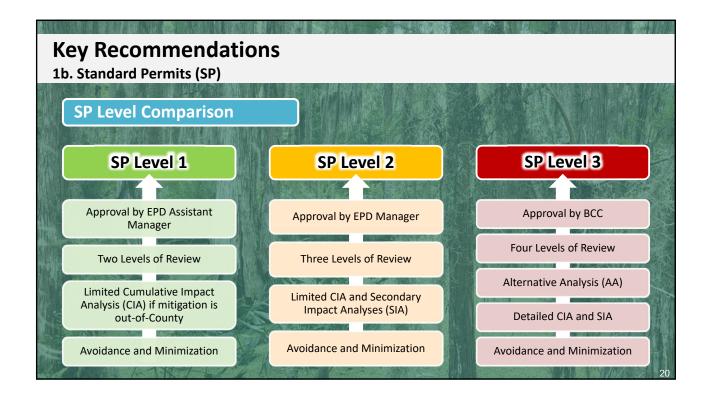
SP Levels

- Level 1: smaller impacts for activities that don't qualify for a noticed general permit; two levels of review; avoidance and mitigation required
- Level 2: larger wetland impacts, depending on wetland function; additional level of review
- Level 3: largest impacts/highest functioning wetlands; require BCC oversight; requires indepth Cumulative Impact and Secondary Impact Analysis and Alternative Analysis

SP Level Determination

- Functional score
- Wetland area acreage to be impacted
- Type of impact activity
- A list of other factors (modifiers)





1b. Standard Permits (SP)

Cumulative Impact Analysis (CIA) and Secondary Impact Analyses (SIA)

- Combined, incremental effects of an activity as it poses a threat to the environment
- ACOE requires for standard permit

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- Impacts may be direct, indirect, and/or cumulative
- Robust CIA is difficult to prepare due to complexity and lack of information
- Must include reasonable, predictable, and practical considerations

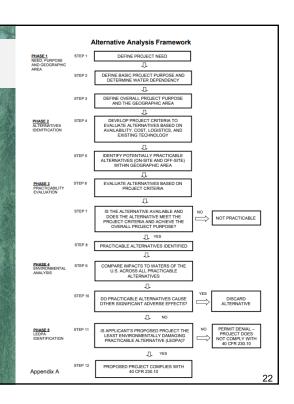
- Looks at effects on a resource that do not result from direct impact of dredge/fill
- Complete Secondary impacts would include changes in:
 - Wetland Size
 - Hydrology
 - Vegetation composition
 - T&E
 - Habitat Fragmentation
- Indirect impacts can reduce ability of wetland function

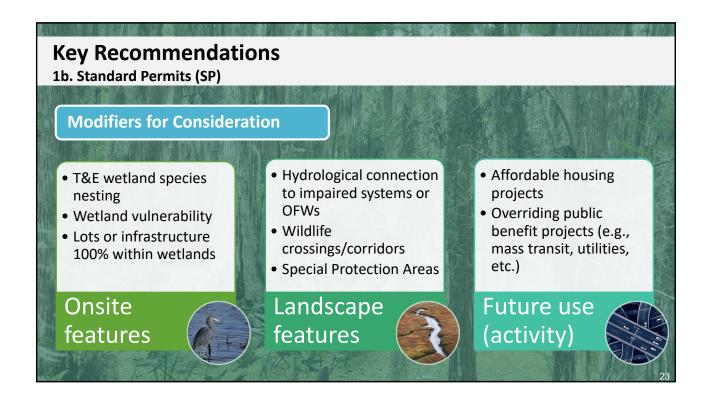
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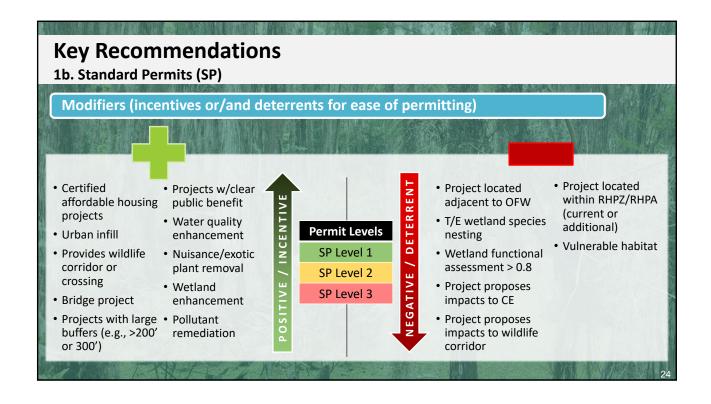
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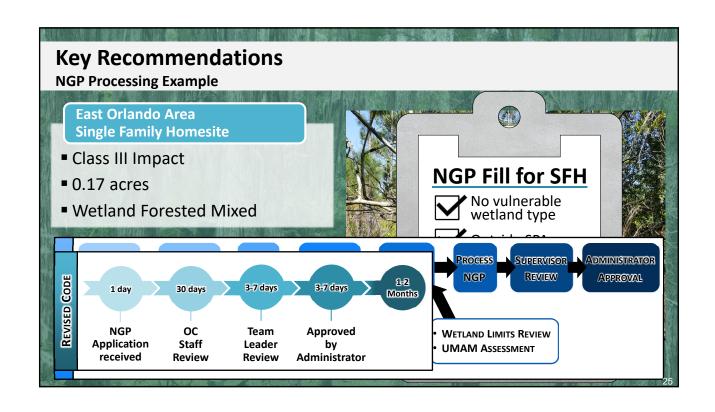
Added Requirement for SP L3 – Alternatives Analysis (AA)

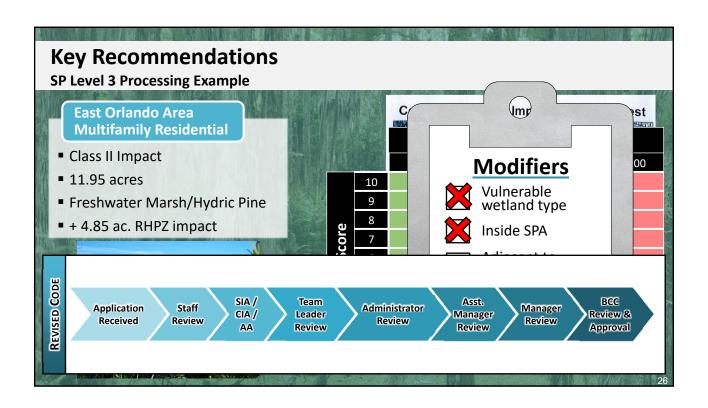
- Includes No Action/No Work Alternative as well as additional reasonable and practicable alternatives
- NEPA established framework
- ACOE requires for standard permit
- Requires demonstration of two presumptions
- Different level of detail required commensurate with scale of impact
- Least Damaging Alternative
- Avoidance and Minimization
- Compensatory Mitigation



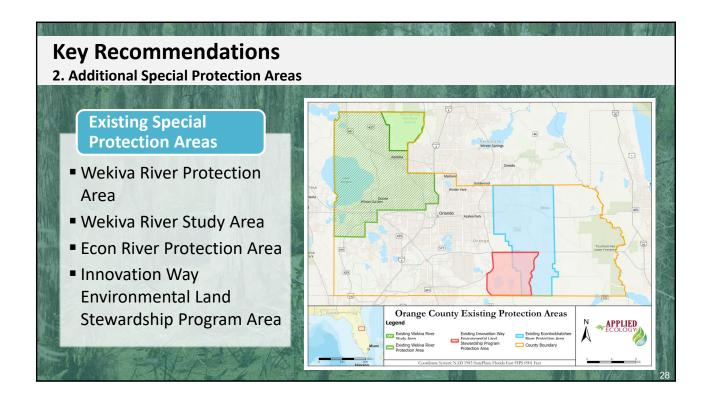




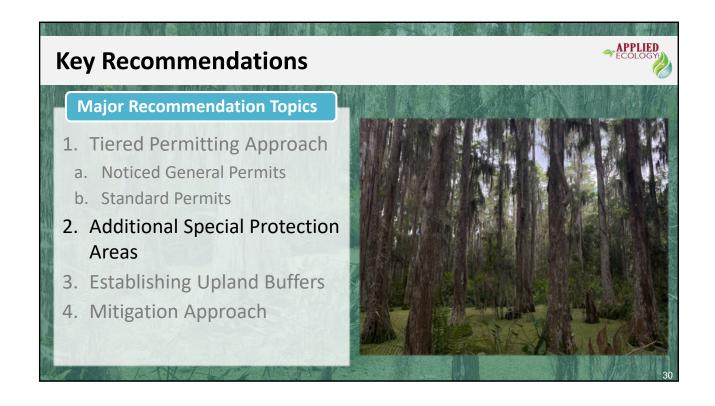




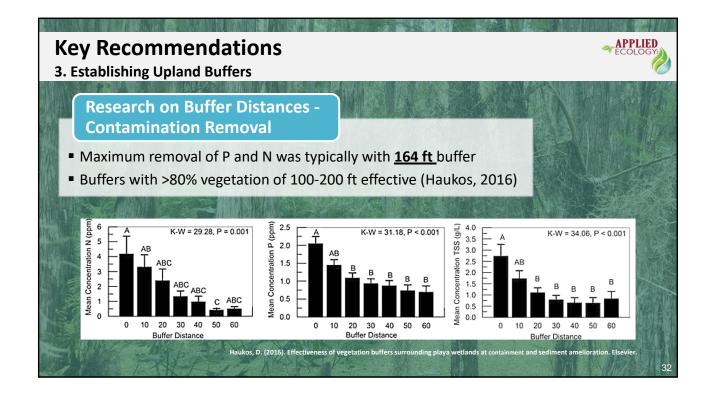
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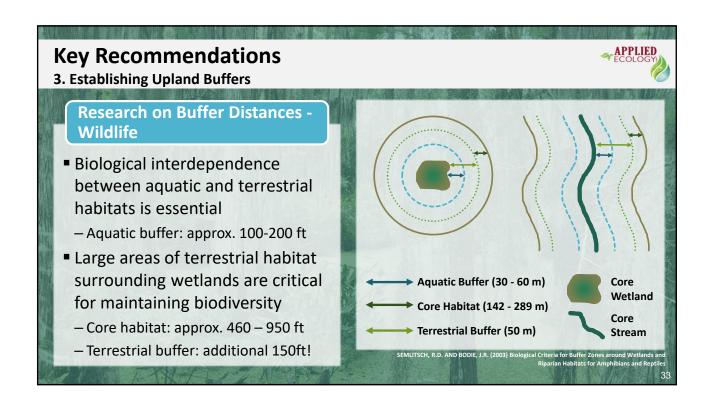


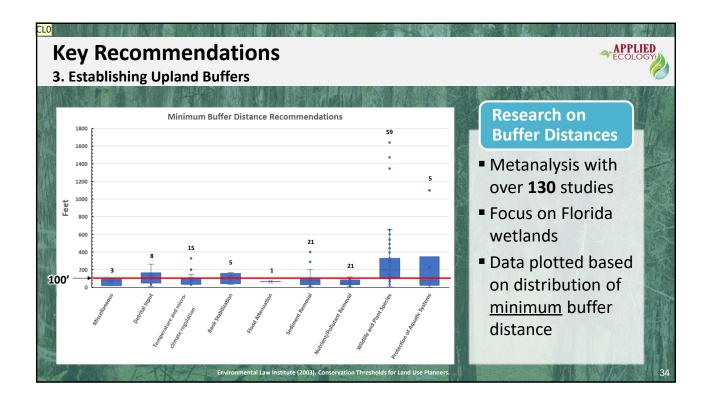
Key Recommendations 2. Additional Special Protection Areas **Development of New Special Protection Areas** Potential additional areas to consider as SPAs - Shingle Creek - St. Johns River Potential use as permitting modifier Increased upland buffer requirements Orange County Proposed Protection Areas Other requirements to be County Boundary Proposed Shingle Creek Protection Area defined



Key Recommendations 3. Establishing Upland Buffers **Research on Buffer Distances -Contamination Removal** Buffers should be established based on objective: Buffer Distance by Function - Direct human impact (trash, destruction) Sediments - Climate regulation Nitroger Phosphorous - Wildlife Wildlife - Pollutants - Flood mitigation 60 80 100 120 140 160 180 200 220 240 260 280 300 - Others Buffer Distance (ft) Wildlife protection typically requires larger minimum buffers - Species dependent, extremely variable







CL0 Can you add something that highlights this is hitting around 100 ft on the y axis? Claudia Listopad, 2023-03-30T11:11:24.634

3. Establishing Upland Buffers

Recommendations

- A minimum of 100-ft natural and undisturbed buffer for all sites except:
 - NGPs and SP Level 1 projects on small lots
 - All cases: minimum 25-ft, average 50-ft
- If required buffer cannot be provided, mitigation and other measures (e.g., wildlife-friendly fencing, native hedge plantings, signage) are required
- Larger buffer width based on modifiers such as OFW, location (SPAs), habitat, and protected species nesting onsite



Key Recommendations

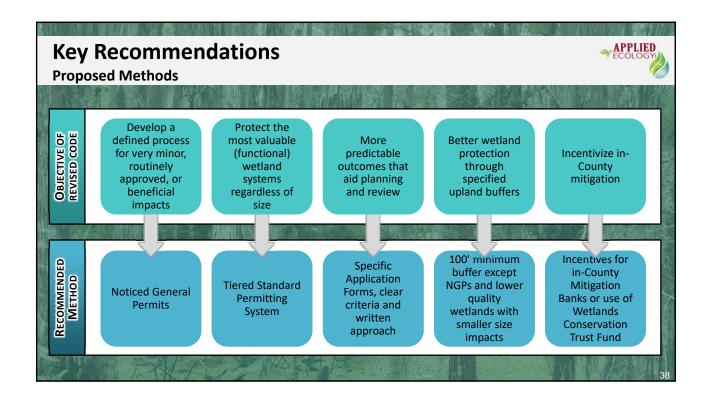
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Key Recommendations 4. Mitigation Approach Recommendations Conservation Easements (CEs) - Policy: Codify that small CEs for offsetting impacts in NGPs or SP Level 1 projects on small parcels are not acceptable For larger developments and parcels, allow CEs only with monitoring and maintenance requirements in perpetuity Maintenance and monitoring (in perpetuity): Monitoring requirements: minimum 5 years and subsequently every 2-3 years thereafter Maintenance requirements: Se exotic/nuisance species presence CE signage and fencing

- Trash removal



Benefit Recommendation Summary

- Level of review for wetland impact requests will be based on function using UMAM, not just size and connectivity
 - Promotes protection of higher quality wetlands
 - Provides better protection for some systems that are typically small in size and appear currently vulnerable (e.g., Wet Prairies, Freshwater Marsh)
- Ensures clear, consistent, and transparent approach with best available science driving the review process
 - More staff time dedicated to protecting critical natural resources
- Requires rigorous data analysis and review for more significant wetland impacts: detailed CIA, SA, and newly added AA

Key Recommendations

Vision 2050 Tool

- SOTW mapping efforts provided OC the inputs to initiate development of guidance tools. Important Wellands and Surface Waters
- OCEPD identified "important wetlands and surface waters" to be included in the Comp Plan update (Vision2050).
- Follows the core of the proposed wetland permitting system: provide protection of highest functioning wetlands.
- C4.1.3 The County <u>shall discourage impacts</u> to wetlands or surface waters that have significant value and shall incorporate regulations into County Code that limit impacts to these systems.

Date: March 16, 2023



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- **■** Key Recommendations
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- Next Steps



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Summary

Key Recommendations

- Permitting processes/workflow:
 - Utilize Noticed General Permit and Standard Permit processes in lieu of a single permit type (CAI)
 - Eliminate Class I, II, III wetland classification system. Utilize UMAM to determine wetland protections, not just size and connectivity factors
 - Size of impact and wetland functionality, with other factors (modifiers), will determine level of review, type and level of impact analyses, and approval level (staff, EPO, or BCC).



- Recommended SPAs for Shingle Creek and St. Johns River:
 - Protect sensitive areas with increasing development pressure
 - Additional upland buffer widths
 - Other criteria to be defined
- Upland Buffers:
 - Best available science suggests minimum 100' buffer necessary for pollutant removal and wildlife life cycles
 - Larger or smaller buffers may be appropriate in some cases
- Mitigation:
 - Incentivize in-County mitigation
 - Accept only larger CEs as mitigation
 - Require maintenance in perpetuity

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Presentation Outline

- Background
- Technical Study
- Summary
- Next Steps





- Meetings to be held through mid-summer 2023
- Provide opportunity for feedback on policy recommendations prior to draft ordinance
- Stakeholders include the local development industry, NGOs, governmental agencies and municipalities, and the general public





- April 2023 June/July 2023: Stakeholder meetings
- April 2023 September 2023: Internal draft ordinance meetings
- April 2023 November 2023: LPA/EPC/DAB/SAB work sessions
- September 2023: BCC work session on draft ordinance
- December 2023: BCC ordinance adoption hearing

