Steering Committee (SC) Briefing Book
Lake Alice
Watershed Management Plan

November 29, 2023

UF | UNIVERSITY of FLORIDA

Steering Committee Agenda, 11/29/2023 2:00-4:00 pm EST

Time	Agenda Item
1:50	Pre-meeting gathering time
2:00	Welcome and introduction
2:15	Project overview
2:25	Vision feedback
3:15	Break
3:25	Prioritizing ranking criteria
3:45	Closing
4:00	Adjourn

Meeting Objectives:
- Reviewing the project process and status.
- Gather feedback on the vision.
- Working in small teams.
- Identify volunteers to assist in finalizing the vision.
- Gather feedback on priority ranking criteria for corrective intervention projects.

Check-in

Name	What are you looking forward to today?
Jess Stempien	Helping the group!
Dawn Newman	Seeing and being with everyone virtually today!
Lily Crawford	Seeing what was done since the workshops!
Stacie Greco	updates
Mark Brenner	Updates and guidance re future actions
Austin Wood	
Tom Schlick	New news, updates
Chuck Kammin	updates
Bill Smith	News and updates
Scott Knight, Consultant Team	Feedback on the vision and ranking criteria

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Check-in

| Name	What are you looking forward to today?
Alan Ivory	Updates on the most urgent stormwater projects
Matt Williams	Ideas and thoughts from this incredible group of collaborators
Nia Morales	updates about the meetings that were held since our last meeting
Taylor Stein	What has been learned from groups and where are we with setting up the vision
Stefan Gerber	Updates on Stakeholder feedback
Mark Clark	Update on where we are and where we are going.
Rachel Mandell	Listening to and learning from the steering committee
Linda Dixon	Hearing the steering committee's reaction to the vision work completed thus far
Kim Tanzer	An update
Eban Bean	Summary of stakeholder input

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Check-in

| Name	What are you looking forward to today?
Amy Goodden	Hearing from the group
Jared Howard	
Chuck Cichra	Updates on where we are/what was found, and what the plans are for the future
Marty Dempsey	
John Guerra	
Mark Hostetler	
Jeanna Mastrodicasa	

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Group norms to guide our work together

1. Be ready to participate

2. Ask questions when needed via raise hand or chat feature

3. One speaker at a time

4. Be mindful of air time
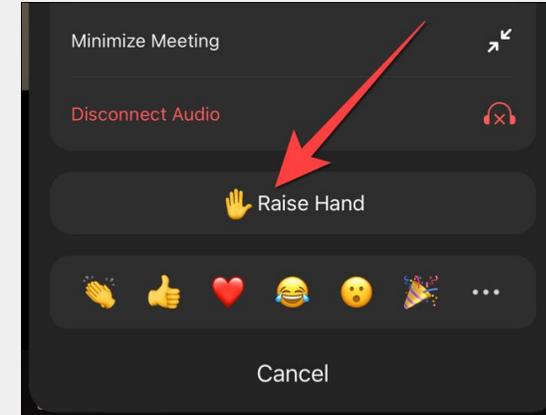
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Project overview
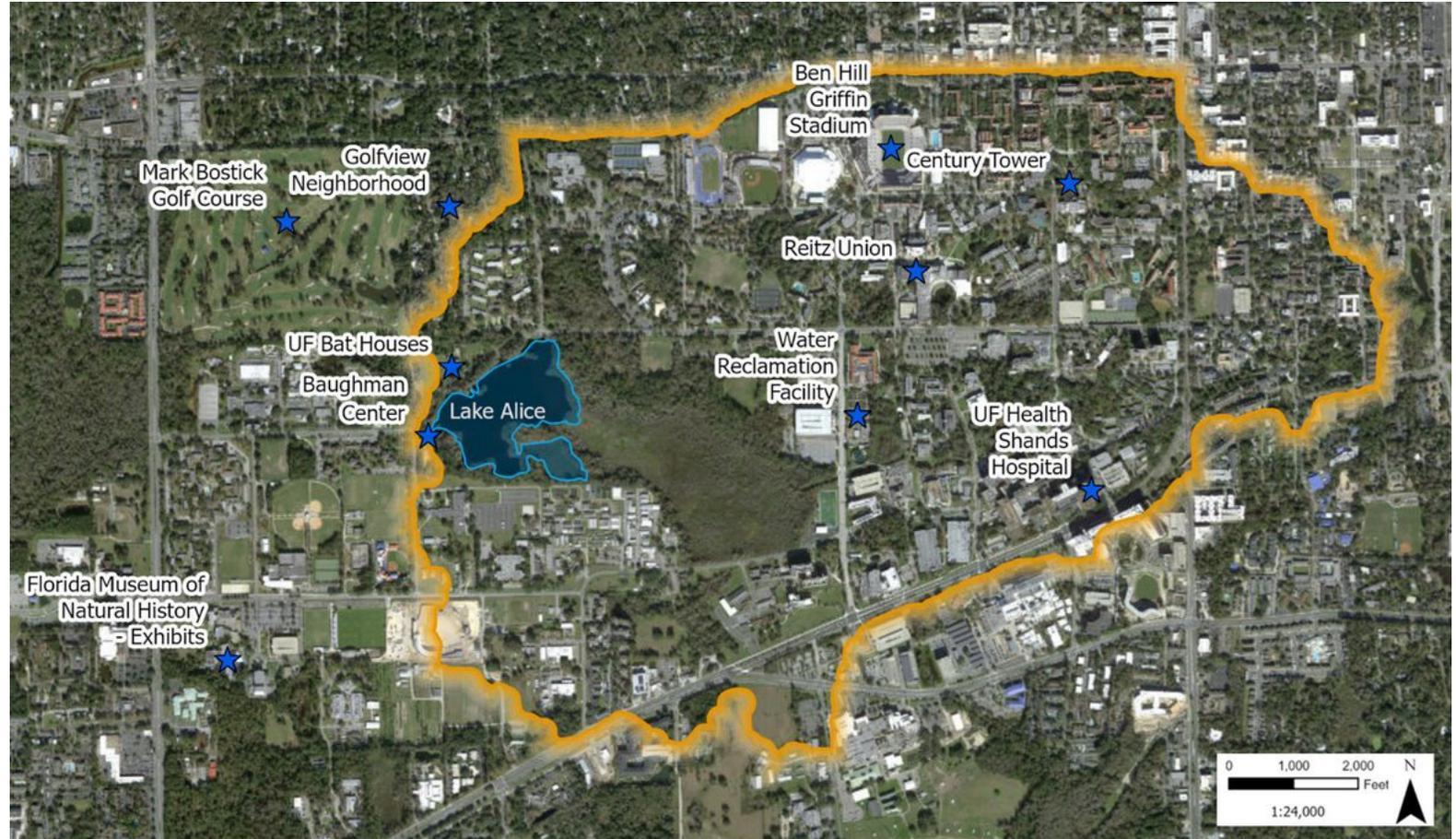
Steering Committee (SC) & Responsibilities

Members

Eban Bean: Ag. and Biological Engineering

Mark Brenner: Geological Sciences

Chuck Cichra: Forest, Fisheries, & Geomatic Sci.

Mark Clark: Soil, Water, & Ecosystem Sciences

Matt Cohen: Forest, Fisheries & Geomatic Sci.

Dave Conser: City of Gainesville - Urban Forestry

Lillian Crawford: Landscape Architecture

Marty Dempsey: Rec. Sports, Student Life

Stefan Gerber: Soil, Water, & Ecosystem Sci.

Stacie Greco: Alachua Co. Env. Protection Dept.

John Guerra: Env. Health and Safety

Mark Hostetler: Wildlife Ecology &. Conserv.

Jared Howard: Facility Services - Utility Water

Mark Hoyer: Florida LakeWatch

Alan Ivory: Wildlife Ecology & Conserv.

Yi Luo: Landscape Architecture

Jeanna Mastrodicasa: Institute of Food & Agricultural Sciences

Nia Morales: Wildlife Ecology & Conservation

Mark Newman: Eng. School of Sustainable Infrastructure

Steve Noll: History

AJ Reisinger: Soil, Water, & Ecosystem Sci.

John Sansalone: Eng. School of Sustainable Infrastructure

Tom Schlick: Facility Services - Grounds

Bill Smith: University Athletic Association

Taylor Stein: Forest, Fisheries & Geomatic Sci.

Amanda Subalusky: Biology

Kim Tanzer: Faculty Emeritus, Architecture

Matt Whiles: Soil, Water, & Ecosystem Sci.

Missy Williams: Facility Services

Responsibilities

1. Use your technical, scientific, institutional, historical, and community knowledge and expertise to provide input and feedback to the PT throughout the project

2. Help design and implement processes to gather input and feedback from community stakeholders

Project Team (PT) and Consultant Team (CT) Responsibilities

PT (UF Administration)

Linda Dixon, PM, Planning, Design, and Construction

Rachel Mandell, Planning, Design, and Construction

Mark Helms, Facilities Services

Chuck Kammin, Facilities Services

Matt Williams, Office of Sustainability

Kaylee August, Office of Sustainability

Angelique Hennon, Business Affairs Technical Services

Consultant Team (CT)

Project manager: Scott Knight, Wetland Solutions

Technical team: Wetland Solutions (prime); Jones Edmunds (stormwater); GSE (geotechnical); and DRMP (survey)

Facilitation and public engagement: Rooted in Process (facilitation lead); Blackhawk Facilitation; Carroll, Franck & Assoc.

PT Responsibilities

1. On behalf of the University, serve as the project decision makers
2. Manage the Lake Alice Watershed Project
3. Provide guidance and support to gather input and feedback from the Steering Committee (SC) and community stakeholders

CT responsibilities, at the direction of the PT

1. Apply professional expertise to complete the technical elements and develop recommendations in collaboration with the PT and SC
2. Jointly develop an equity-centered stakeholder engagement design and work plan; gather perspectives from all stakeholders and provide results to help shape decisions
3. Support the PT and SC to be fully informed and work collaboratively

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Project Tasks and Status

Data Collection and Analysis	Vision	Stormwater Modeling	Corrective Intervention Recommendations	Watershed Management Plan Draft
Status: ● SC and PT interviews ● Completed Technical Exchange Workshops ● Completed staff and regulator focus groups ● Literature review ● Data collection and analysis ● Design plan and permit review ● *Targeted site visits*	**Status:** ● Completed vision workshops ● Identified themes and subthemes of vision ● Receiving feedback today ● *Vision statement creation and adoption by PT*	**Status:** ● Stormwater model refinement needs identified ● Stormwater model being updated ● Survey complete ● *Modeling design storms* ● *Identifying flooding and erosion problem areas*	**Status:** ● Receiving feedback today on ranking criteria ● *Ranking flooding and erosion problem areas* ● *Developing conceptual projects to address 3 flooding and 3 erosion areas*	**Status:** ● *Developing recommendations based on data collection and vision* ● *Being drafted based on collected information*

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Overarching WMP Development Process

Process Step	Timeline
Data Collection, Analysis, Stormwater Modeling	• April - ongoing
Vision	• October - December
Targeted site visits	• January
Corrective intervention recommendations	• January
Draft recommendations	• February
Blocks/barriers, Actions/Success Indicators workshop (SC/PT)	• Early March
Roles and responsibilities workshop (Implementers)	• Early March
Completed draft plan	• Late March
SC/PT meeting	• Mid April
Public informational workshop	• Late April
CT finalizes WMP	• June

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Vision themes and subthemes process & feedback

Vision Themes and Subthemes Process & Feedback

Purpose:

To review how the team identified themes and subthemes

To gather feedback on the themes and subthemes to provide guidance for finalizing the vision for the Lake Alice WMP

Process:

1. Review the visioning process
2. Review identified themes and subthemes
3. Work in small teams to collect feedback using Google Slides for each theme
4. Large group debrief
5. Outline next steps
6. Find volunteers for the Vision Task Force

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Vision process

Vision Question: Imagine you are standing near Lake Alice. What do you see, hear, and feel? What is different from today?

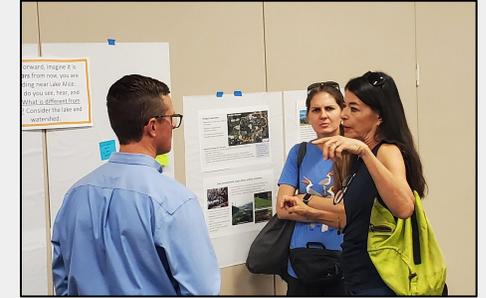| 3-yrs from now	10-yrs from now
Grouped ideas by similar action or accomplishment	Grouped ideas by similar action or accomplishment
Identified sub-themes	Identified sub-themes

Combined 3-yr and 10-yr sub-themes

- Three workshops held + online survey: two virtual, one in-person

- Participants contributed a total of **575** responses to the workshop questions

- Majority of participants were UF faculty, staff, and students

- Ideas were grouped by similar action or accomplishment

Grouped sub-themes into overarching themes ➔ SC/PT Feedback on themes and subthemes ➔ Vision Task Force work on vision narrative for PT adoption
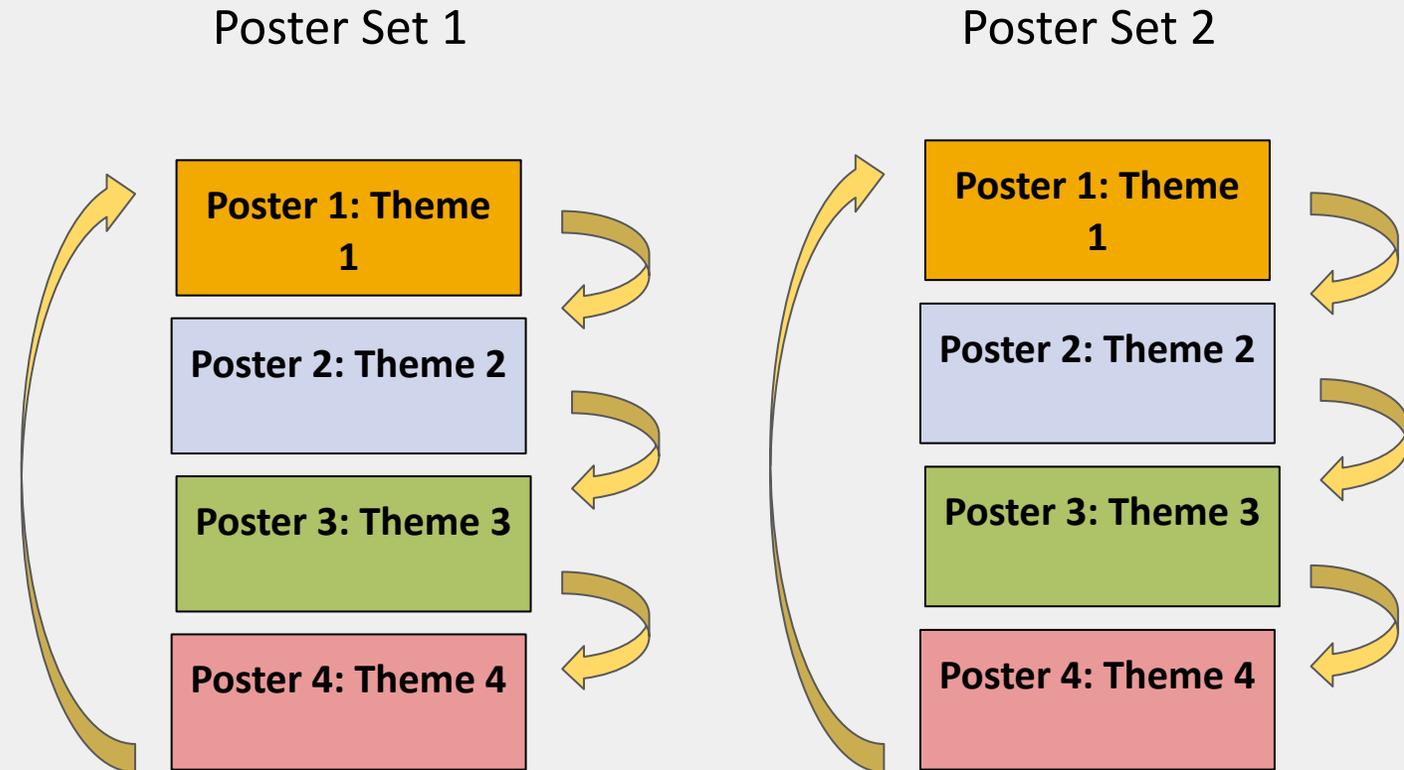
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Vision themes and subthemes

Improve environmental conditions and stormwater management
A. Enhanced solid waste management
B. Enhanced stormwater treatment and management
C. Improved flood control
D. Improved vegetative communities
E. Improved water quality
F. Protected and repaired capital assets
G. Reduced discharge to injection wells
H. Reduced algae

Provide recreation, access, and education (around the Lake and its tributary creek system)
A. Clarified allowable uses
B. Expanded trail system and recreational features
C. Increased academic engagement and educational programming
D. Increased public engagement and nature-based activities/events
E. Reduced traffic impacts adjacent to Lake Alice

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Vision themes and subthemes

Organizational accountability, collaboration, and responsiveness
A. Clarified responsibilities among UF departments
B. Endorsed watershed management plan
C. Funded stormwater management
D. Increased collaboration with City and County

Restoration, conservation, and biodiversity
A. Continued protection of conservation areas around the watershed resources
B. Increased diversity of flora and fauna
C. Reduced sedimentation

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Providing feedback on themes/subthemes with these questions

1. What do you like about the theme and subthemes?

2. What is missing?

3. What would you change?

Improve environmental conditions and stormwater management
A. Enhanced solid waste management
B. Enhanced stormwater treatment and management
C. Improved flood control
D. Improved vegetative communities
E. Improved water quality
F. Protected and repaired capital assets
G. Reduced discharge to injection wells
H. Reduced algae

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Small Group Feedback Instructions

Rotating Rounds Instructions

1. Breaking into small groups

2. Rotating through 4 posters

3. Each poster has one theme with the subthemes

4. Start at the poster that has your names on a green sticky

5. Instructions will be provided on your slide for each Round

6. Each round will be timed

7. We will warn you before you have to rotate

8. We will let you know when to rotate

Poster Set 1

| Poster 1: Theme 1 |
| Poster 2: Theme 2 |
| Poster 3: Theme 3 |
| Poster 4: Theme 4 |

Poster Set 2

| Poster 1: Theme 1 |
| Poster 2: Theme 2 |
| Poster 3: Theme 3 |
| Poster 4: Theme 4 |

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Poster 1 (Set 1) *Example*

Vision theme
Improve environmental conditions and stormwater management
Vision subthemes

A. Enhanced solid waste management

B. Enhanced stormwater treatment and management

C. Improved flood control

D. Improved vegetative communities

E. Improved water quality

F. Protected and repaired capital assets

G. Reduced discharge to injection wells

H. Reduced algae

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What do you like about this theme/subthemes?	What is missing?	What would you change?
●	●	●

Round 1 Instructions:
- Choose someone to type into the slide
- Read through the theme and subthemes
- Answer the questions as a group
- Type 1-2 responses per question
- 7 minutes to complete
- We will let you know when to rotate

Round 2 - 4 instructions:
- Read themes and subthemes, and the answers from the last group.
- Add an * to any answers you want to reinforce
- Add new answers for any of the questions.
- 5 minutes to complete
- We will let you know when to rotate

Group:
John Doe
Jane Smith
Jess Stempien
Dawn Newman

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First Poster Set

Poster 1 (Set 1)

1. Vision theme
Improve environmental conditions and stormwater management
Vision subthemes

A. Enhanced solid waste management

B. Enhanced stormwater treatment and management

C. Improved flood control

D. Improved vegetative communities

E. Improved water quality

F. Protected and repaired capital assets

G. Reduced discharge to injection wells

H. Reduced algae

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What do you like about this theme/subthemes?	What is missing?	What would you change?
● seems comprehensive* ●	● benchmarks/thresholds ● new construction/future development issues? ● some overall clarification (language) of terms for existing subthemes ● new buildings (and renovated when possible) incorporate better stormwater infrastructure* ● clarify "improved veg comm" includes landscaping that filters the water ● Stormwater treatment starts with source control (runoff)* ● What happens to reclaimed water if/when golf course moves? ● Need more LID projects upstream to help reduce flow into the lake for flood control	● clarify type of algae (reduce algal mats) ● clarify injection well comment* ● what exactly do we mean by water quality? TEAM 4 agrees! ● Change "capital assets" to something else…maybe infrastructure and utilities ● Clarify what is meant by Solid waste - i.e. trash and sanitary sewer ● Seems like the flood control and reduced injection are in possible conflict (Bat house well is waste water, but Baughman well is lake level control)

Poster 2 (Set 1)

2. Vision theme

Provide recreation, access, and education (around the Lake and its tributary creek system)

Vision subthemes

A. Clarified allowable uses

B. Expanded trail system and recreational features

C. Increased academic engagement and educational programming

D. Increased public engagement and nature-based activities/events

E. Reduced traffic impacts adjacent to Lake Alice

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What do you like about this theme/subthemes?	What is missing?	What would you change?
• Like the public engagement aspect, need to be able to use Lake Alice for educating about water issues • Like the expanded trail system, having dedicated places for walking • captures the social aspects of interacting with the lake	• Stormwater education around the Lake, with broader implications • Permitting education and awareness as well - as part of MS4 permit requirements - great location for this education • not much access to the area on South side • signage-interpretive/educational signage (especially opportunities to understand that the lake is part of lge system) • the Lake and its watershed are an education & research opportunity for the state & beyond re: stormwater ponds • Funding source for academic related projects.	• Making sure that trails and access don't create too much light pollution or affect the natural area of the lake. • Any new trails should be passive and low impact (not paved, without high intensity lighting) • there's a lot of focus on the lake itself- maybe some opportunities to focus on other parts of the watershed • Balance access with need to limit impacts on resources

Poster 3 (Set 1)

3. Vision theme
Organizational accountability, collaboration, and responsiveness
Vision subthemes

A. Clarified responsibilities among UF departments

B. Endorsed watershed management plan

C. Funded stormwater management

D. Increased collaboration with City and County

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What do you like about this theme/subthemes?	What is missing?	What would you change?
- We like all themes. - really like the collaboration with regional partners, especially with the NPDES permits - This is a very important theme - buy-in and endorsement is critical - funding is critical!	- Strong emphasis on funding. Unfunded mandates go nowhere. - How to delegate responsibilities to departments and keep them accountable* - How do we generate the money? - funding for monitoring - some kind of permanent committee? continued oversight - Expand collaboration to include FDEP and WMD	- Clarity on what collaboration means. - Clarity on what responsibilities mean - especially working collaboratively rather than siloed* - wording- departments might not be the right term (implies academic dept) - Clarify "academic and administrative" departments

Poster 4 (Set 1)

4. Vision theme
Restoration, conservation, and biodiversity
Vision subthemes

A. Continued protection of conservation areas around the watershed resources

B. Increased diversity of flora and fauna

C. Reduced sedimentation

What do you like about this theme/subthemes?	What is missing?	What would you change?
• Likes focus on Conservation aspect • Maintaining conservation and biodiversity component in LA watershed plan • Since this is the largest habitat on campus, important for flora and fauna to be considered here especially	• How LA watershed has connectivity with city/county/state lands, esp for wildlife movement in urban area • verbiage- around? vs IN the watershed • link between the education/social vision and this vision • benchmarking/metrics-population data for flora and fauna • who is responsible?	• This is a very important and broad theme. If the themes will be ranked or presented in an order, this would be #1. (*if we're talking about this being the overall goal of enhancement of the watershed and Lake) • Change "Restoration" to "Enhancement"* • C seems more related to vision #1 (stormwater)

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Second Poster Set

Poster 1 (Set 2)

Vision theme		What do you like about this theme/subthemes?	What is missing?	What would you change?
Improve environmental conditions and stormwater management		• Subthemes cover all aspects of the vision theme • Enhanced solid waste management - lots of garbage pulled around the Lake	• More details/refinement for "improved water quality" - could mean different things to different people • Defining the issues surrounding the vegetative communities - what are the challenges, how would they be improved, what aspect of the vegetative community are we talking about • Missing compliance strategies • Reporting flood locations (buildings, streets, etc.)	• No changes • B&C may be a little redundant - accomplishing B will impact C • For H - Reduce conditions that lead to harmful algae blooms (?)
Vision subthemes				

A. Enhanced solid waste management

B. Enhanced stormwater treatment and management

C. Improved flood control

D. Improved vegetative communities

E. Improved water quality

F. Protected and repaired capital assets

G. Reduced discharge to injection wells

H. Reduced algae

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Poster 2 (Set 2)

Vision theme
Provide recreation, access, and education (around the Lake and its tributary creek system)

Vision subthemes

A. Clarified allowable uses

B. Expanded trail system and recreational features

C. Increased academic engagement and educational programming

D. Increased public engagement and nature-based activities/events

E. Reduced traffic impacts adjacent to Lake Alice

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What do you like about this theme/subthemes?	What is missing?	What would you change?
• Simple and direct* • Expanded trail system	• ADA?* • Defining education? • Instead of recreation, say 'passive recreation' * • How and where will the education be embraced and enforced? • Clarify allowable use. Who is enforcing and what is being enforced? • Safety	• Clarifying what 'access' means • Clarifying 'allowable uses' - both in and around the lake • Clarifying subtheme E, as it is interpreted differently • The subthemes should be more direct in what they're asking for • What traffic is wanted compared to trying to be reduced?

Poster 3 (Set 2)

Vision theme			
Organizational accountability, collaboration, and responsiveness			
Vision subthemes			

A. Clarified responsibilities among UF departments

B. Endorsed watershed management plan

C. Funded stormwater management

D. Increased collaboration with City and County

What do you like about this theme/subthemes?	What is missing?	What would you change?
● Clarified responsibilities is essential to making this plan a reality** ● Emphasis on collaboration with City and County	● What are the funding possibilities?* ● Ongoing vs. one-time funding* ● In addition to collaboration with city and county, what is the state-level participation? ● Clarified process for approvals **comments?*** at the University level (Lakes, Vegetation & Landscaping committee)	● Enhancing collaboration opportunities between in-lake conditions and watershed activity ●

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Poster 4 (Set 2)

Vision theme
Restoration, conservation, and biodiversity

Vision subthemes

A. Continued protection of conservation areas around the watershed resources

B. Increased diversity of flora and fauna

C. Reduced sedimentation

What do you like about this theme/subthemes?	What is missing?	What would you change?
- Enhancement, conservation and biodiversity instead of restoration* - Important theme & area of focus	- Showcase of how water management is handled at UF and comparing to other universities - Clarification about where sedimentation is occurring to define strategies on how to reduce*	- Break apart A. so protection and conservation is more specific and detailed - Can sedimentation and erosion be linked? - Explaining possibilities for B. How do we increase diversity? Balanced ecosystem may be a better goal than simply increasing diversity

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Reflection

Post reflection

1. Take a minute to scan the slides

2. Check-in with consultants

3. Where were there high levels of agreement?

4. Where was there less agreement?

5. What were some of the key points you heard or read?

6. Place in chat your response to: What else needs to be considered for the vision? I think you should also consider…

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Vision next steps

1. Form Vision Task Force to meet next week for 1.5 hours

   a. December 6th, before noon

   b. 2 PT members + 2 SC members + Linda + CT

   c. Final vision will go to PT on December 15th for adoption

   d. Place your name in the table below if interested and if available on the date/time provided

Vision Task Force	Name	December 6th (if available before noon mark Y)
Project Team Member	Rachel Mandell	Y
Steering Committee Member	John Guerra	Y
Steering Committee Member	Eban Bean	Y

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Break

Ranking criteria prioritization

Prioritizing ranking criteria

Purpose: To gather feedback on which criteria should receive the most consideration when choosing the stormwater projects that should be implemented first.

1. Review ranking criteria categories, how will be used, and example projects

2. Use Mentimeter to gather feedback

3. Review next steps

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Ranking criteria overview

- This project is *developing conceptual projects* for three areas with flooding and three areas with erosion

- But, there are more than six projects that need to be addressed and implemented in the watershed

- The WMP will recommend a process to prioritize the remaining projects

- This is expected to take the form of a decision matrix with ranking criteria

Non-negotiable categories (addressed first)	Negotiable categories (where we would like your feedback)
• Life safety and failure of non-stormwater infrastructure	• Watershed location • Environmental benefit • Public perception • Implementation difficulty • Damage reduction • Cost and cost-effectiveness

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Examples

- There will be some overlap in categories

- The best projects will tend to rank well across related categories

- Categories
  - Watershed location
  - Environmental benefit
  - Public perception
  - Implementation difficulty
  - Damage reduction
  - Cost and cost-effectiveness

Example 1	Example 2	Example 3
● Erosion below a culvert in Diamond Creek ● Downstream of Sorority Woods	● Stormwater culvert collapsing into Graham Creek ● Downstream of Stadium Road	● Erosion in the channel ● Near Hume Pond south of Museum Road

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Mentimeter Prioritizing

- Use a 100 point question

- Allows you to assign a points value to each of the criteria

- The results are shown in percentage, with the most popular choice ranked from the top

- This will help CT better understand the weight you would give to a certain category

- Click link in chat

- Three minutes to complete

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Ranking criteria next steps

- Ranking criteria will be developed further along with matrix

- SC and PT guidance will be used to make recommendations for stormwater project selection

<table>
<tr><td>Corrective Intervention Recommendations</td></tr>
<tr><td>

Status:

- Receiving feedback today on ranking criteria
- *Ranking flooding and erosion problem areas*
- *Developing conceptual projects to address 3 flooding and 3 erosion areas*

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Ranking criteria - question

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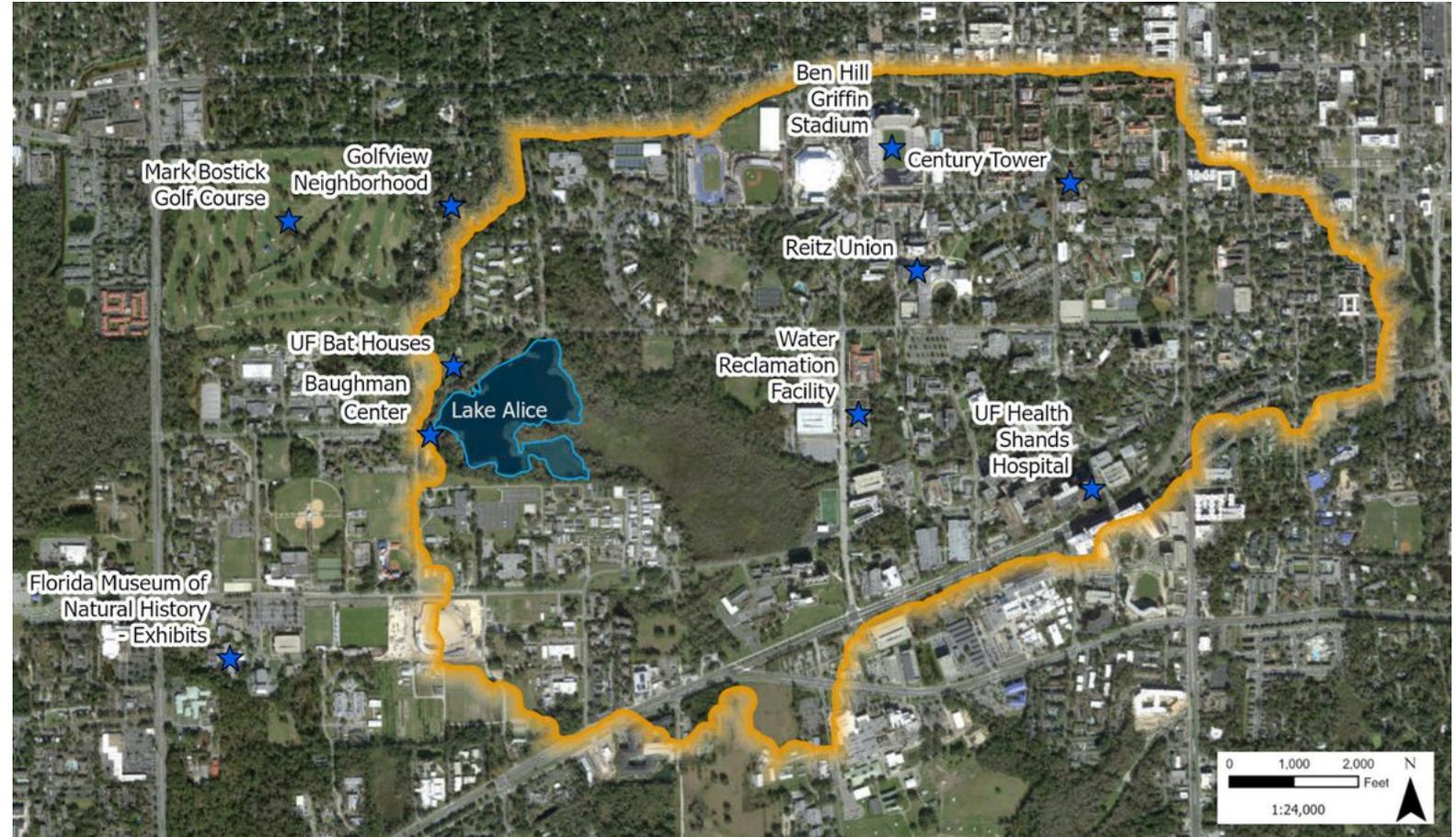# Ranking criteria question results
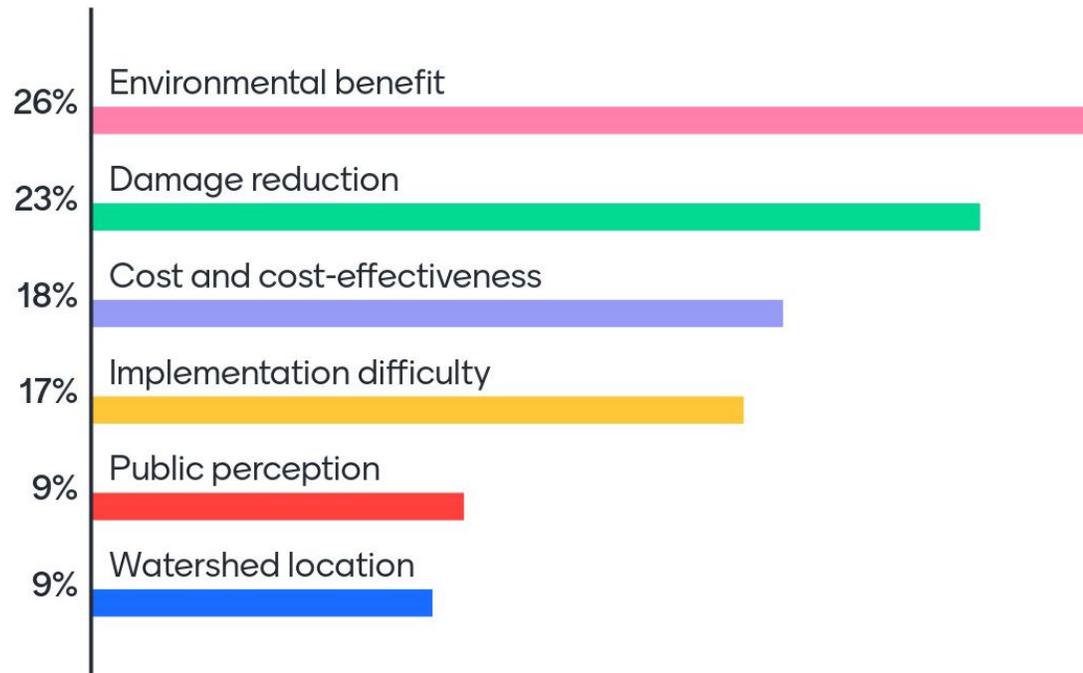
Closing

Next Steps & Closing

- Doodle poll for targeted site visits from CT

- Doodle poll for SC/PT workshops

- Schedule Vision Task Force

- What else?

Thank you for your time today.

Place in chat:
1. What was most valuable today?
2. What do you want more of?
3. Any suggestions for change?

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