1. Update the existing master plan by:
   • Documenting existing conditions within the Preserve
   • Broadly evaluating the ecological and cultural conditions of the Preserve, today

2. Identify Needs/Concerns and Opportunities within the Preserve by:
   • Collecting input from users, managers, and stakeholders
   • Reviewing site conditions

3. Provide Recommendations for appropriate improvements, changes, repairs, or revisions within the Preserve based on:
   • Establishing vegetative community habitat goals
   • Preserving historical and cultural resources
   • Improving and protection public access
LAKESHORE NATURE PRESERVE EVENTS SCHEDULE

EVENT TYPE:
- ★ Public Input Meeting
- ■ Preserve Committee Debrief
- △ Preserve Staff Debrief
- ○ Other

<table>
<thead>
<tr>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inventory and Analysis</strong></td>
<td><strong>Issues / Needs &amp; Opportunities Framework</strong></td>
</tr>
<tr>
<td>JULY</td>
<td>NOV</td>
</tr>
<tr>
<td>PROJECT KICK OFF</td>
<td>Preserve Staff Debrief</td>
</tr>
</tbody>
</table>

- 1 | 2 | 3 | 4
STRATEGIC PLANNING SURVEY

The survey ran from April 8, 2019 through May 6, 2019
A total of 596 surveys were submitted

SUMMARY OF RESULTS

DEMOGRAPHICS
- 65% in the age ranges of 18-30 and 51-65.
- 60% female, 40% male
- 80% of respondents were staff, students, alumni and faculty
- Survey respondents were primarily white (91%)
- Current (Spring 2019) enrollment: 51% female/48% male;
total of 42,086 students of whom 15% are minorities.
- Dane County’s minority population is ~11%

FREQUENCY/USAGE
- Over half of respondents visit more than ten times per year
- All Preserve areas were visited. Top destination: Picnic Point
- Preserve is used for a wide variety of activities: “enjoyed nature/took a break”
as highest use then “used trails.”

SATISFACTION QUESTIONS
- Trail system, trail navigation and fire circles were ranked high for satisfaction
- Many respondents noted a need for interpretation, improved parking and restrooms as well as fewer
- Disturbances such as noise, signs and vehicles
- Public Outreach Programs received mostly “neither satisfied nor dissatisfied” responses

COMMUNICATION & FUTURE PRIORITIES
- Top sources of information: “UW-Madison website/other UW communications” &
“word of mouth”
- Top challenge to Preserve’s restoration, preservation & educational work: “Invasive species”
- What makes the Preserve valuable? “provides a place for respite and relaxation”;
“provides a place for environmentally friendly recreation”
- What do respondents personally value most about the Preserve? “source of wellness, respite, quiet & beauty”

STRENGTHS, WEAKNESSES, OPPORTUNITIES AND THREATS (SWOT) ANALYSIS

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location – proximity to campus, city, lake</td>
<td>Brand recognition is poor</td>
</tr>
<tr>
<td>Unique cultural history</td>
<td>Mission statement is long and not easily used or memorable</td>
</tr>
<tr>
<td>Connection to university – resource to campus, new students every year, unique opportunity for students, diverse faculty, opportunity to connect with broader community</td>
<td>Preserve does not have a vision statement</td>
</tr>
<tr>
<td>Diverse ecosystems, habitats, species (birds), plants</td>
<td>Confusion over role of Friends vs the Preserve staff</td>
</tr>
<tr>
<td>Health/well-being asset to campus community</td>
<td>Master Plan is 14 years old and needs updating</td>
</tr>
<tr>
<td>Helps with preservation of watershed</td>
<td>Lack of specific land management plans for all areas</td>
</tr>
<tr>
<td>Powerful teaching tool and research asset</td>
<td>Distributed storage locations cause inefficient operations</td>
</tr>
<tr>
<td>Passion &amp; commitment by knowledgeable Preserve staff &amp; volunteers</td>
<td>Not using full potential of technology e.g. apps, virtual field trip</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Opportunities</th>
<th>Threats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preserve is an attractive cause for fundraising</td>
<td>Lack of resources - understaffed and underfunded</td>
</tr>
<tr>
<td>Many possible strategic partnerships - Outdoor UW, Friends, Eagle Heights community, Ho Chunk Nation, SOAR, UW Housing, Rec-Well, etc.</td>
<td>Climate change, erosion issues, invasive species</td>
</tr>
<tr>
<td>Many university academic departments could benefit from teaching outdoors</td>
<td>Scarcity-resource mentality limits big thinking</td>
</tr>
<tr>
<td>Recent increase in the acknowledgement of natural areas as places of well-being for people</td>
<td>Potential use of the area for building development</td>
</tr>
<tr>
<td>Preserve staff has the knowledge to move to large-scale management activities</td>
<td>Parking is difficult/not enough</td>
</tr>
<tr>
<td>Places are needed for long-term research in climate change, ecosystem services, ecological restoration</td>
<td>Incompatible uses in the Preserve: Lot 34, snow pile, Grounds storage</td>
</tr>
<tr>
<td>More areas to manage without additional resources, stormwater basins and upcoming Observatory Hill, Willow Creek</td>
<td></td>
</tr>
</tbody>
</table>
LAKESHORE NATURE PRESERVE

CORE VALUES
We believe in...

Preserve Mission and Vision

Mission: The Lakeshore Nature Preserve shelters natural environments and cultural resources through active learning, research, and outreach in a place of respite and well-being.

Vision: To foster biodiversity on campus and cultivate lifelong environmental engagement.

Tag line: Outdoor Learning is our Point!
LAKE SHORE NATURE PRESERVE MASTER PLAN UPDATE

WHAT YOU TOLD US
PUBLIC INPUT MEETING #1 (11/30/21) BOTH IN PERSON AND ONLINE RESULTS

HOW DO YOU USE THE LAKE SHORE NATURE PRESERVE AND THE LAKE SHORE PATH? (YOU MAY CHOOSE MORE THAN ONE)

IN-PERSON VOTES: 24
ONLINE VOTES: 33
TOTAL VOTES: 57

16% TEACHING AND LEARNING
26% HIKING
14% BIKING
22% BIRD WATCHING & OTHER NATURE EXPERIENCES
10% RUNNING
10% COMMUTING FROM HOME OR CLASS
2% RESEARCH

HOW OFTEN DO YOU USE THE LAKE SHORE NATURE PRESERVE AND THE LAKE SHORE PATH?

IN-PERSON VOTES: 6
ONLINE VOTES: 13
TOTAL VOTES: 19

47% MULTIPLE TIMES PER MONTH
27% A COUPLE TIMES PER YEAR
21% MULTIPLE TIMES PER WEEK
5% NEVER

I've Never Visited
A Couple Times a Year
Multiple Times Per Month
Multiple Times Per Week
WHERE ARE YOUR FAVORITE PLACES IN THE PRESERVE? (YOU MAY CHOOSE MORE THAN ONE)

WHICH PART OF THE PRESERVE DO YOU USE MOST FREQUENTLY? (YOU MAY CHOOSE MORE THAN ONE)

WHAT YOU TOLD US
PUBLIC INPUT MEETING #1 (11/30/21) IN PERSON RESULTS.
~8 in person participants
WHAT YOU TOLD US
PUBLIC INPUT MEETING #2 (4/26/22)
Online Survey Results
~29 participants
WHAT YOU TOLD US
PUBLIC INPUT MEETING #2 (4/26/22)
Online Survey Results
~29 participants
PLANNING PRIORITIES

1. Vegetative Community Definitions & Goals

2. Access & Trail Improvements

3. Identification of Additional Studies
   a. Vegetation Management Plan(s)
   i. Includes 1918 Marsh specific study
   b. Geo technical Evaluation of Shoreline
   c. Interpretative Sign Study
   d. Collaboration with Ho-Chunk Nation regarding sharing their cultural story

4. Other User Experience Improvements
   a. Removal of UW Grounds Storage
   b. Development of a Gathering Space
   c. Raymer’s Cove Improvement
   d. Fire Circle Improvements or Relocation
   e. Charter Street Path Overlook Deck and Bicycle Parking
   f. Willow Creek Bridge Improvement
   g. Willow Creek Boat Launch and Takeout
   h. Class of 1918 Marsh Overlook Deck
   i. Additional Bench Locations
   j. Design Consistency
LAKESHORE NATURE PRESERVE MASTER PLAN UPDATE

Lakeshore Nature Preserve Master Plan Draft Master Plan - 2022
# Lakeshore Nature Preserve Master Plan Update

## Lakeshore Nature Preserve Draft Master Plan

<table>
<thead>
<tr>
<th>Location</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preserve Main Entrance</td>
<td>Existing to Remove</td>
</tr>
<tr>
<td>Class of 1914 Marsh</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Hill’s Woods</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Big Woods</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>UHF Physical Plant Storage Area</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Eagle Heights Community Garden</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Bluff Creek Prairie</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Second Point Woods</td>
<td>Existing to Remove</td>
</tr>
<tr>
<td>Dorrington’s Woods</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Picnic Point</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Picnic Point Marsh</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Picnic Point Mounds</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Frat house</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Ten Valley Woods</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Noyes’s Grove</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Wally Bourbon Woods</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>Eagle Heights Woods</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>University House Community Garden</td>
<td>Recommended Removal</td>
</tr>
<tr>
<td>University Bay</td>
<td>Proposed Marsh Overlook</td>
</tr>
<tr>
<td>Lot 64 Stormwater PP</td>
<td>Proposed Marsh Overlook</td>
</tr>
<tr>
<td>Boat Launch with 484 Parking</td>
<td>Proposed Marsh Overlook</td>
</tr>
<tr>
<td>Howard Terrace Lakeshore Path</td>
<td>Proposed Marsh Overlook</td>
</tr>
<tr>
<td>Triangle Marsh</td>
<td>Proposed Marsh Overlook</td>
</tr>
<tr>
<td>Willow Creek Woods</td>
<td>Proposed Marsh Overlook</td>
</tr>
<tr>
<td>Willow Creek Master Plan</td>
<td>Existing to Remove</td>
</tr>
<tr>
<td>Observatory Hill</td>
<td>Proposed Marsh Overlook</td>
</tr>
</tbody>
</table>

## Map

The map shows the layout of the Lakeshore Nature Preserve with various locations marked, including the Preserve Main Entrance, Class of 1914 Marsh, Hill’s Woods, and others. The map also indicates trails, parking areas, and other features of the preserve.

---

**Legend:**
- Trail: 
- Removed Trail: 
- Preserve Limits: 
- Gateway Entrance: 
- Routed University Bay Drive: 
- Effigy Mounds: 
- Fire Circle: 
- Bench: 
- Parking: 

---

Smith Group Consulting, Inc.
13 Smith Group
123 Smith Road
Suite 400
Minneapolis, MN 55403

Phone: 612-333-1234
Fax: 612-333-5678

www.smithgroup.com
LAKESHORE NATURE PRESERVE MASTER PLAN UPDATE

LAKESHORE NATURE PRESERVE DRAFT MASTER PLAN

Lakeshore Nature Preserve Master Plan

- Recommended Amenity Areas
- Recommended Revisions
- Recommended Removal
- Existing to Remain

1. Preserve Main Entrance
2. Drive at OHV Entrance
3. BEE Woods
4. Big Woods
5. Oak-Understory Plant
6. Eagle Heights Community Gardens
7. Blueberry Patch
8. Second Forest Woods
9. Evergreen Woods
10. Forest Point
11. Pomeroy's Cove
12. Valley Salmon Run
13. Eagle Heights Woods
14. University House Community Gardens
15. University Bay
16. Outdoor Education Center
17. Boat Launch with ADA Parking
18. Human Nature Lakeshore Path
19. Tangle Marsh
20. Willow Creek Marsh
21. Willow Creek (2016 Willow Creek Master Plan)
22. Observatory Hill
23. Willows Access
24. Maki Woods
25. Willow Drive Mounds
26. Eagle Heights Mounds
27. City of Madison Water Utility
28. Wood Duck and Bird Parking Area
29. Robert E. Stoddard Wilderness Circle
30. Lot 34
31. Remove Beach House
32. Remove Tent Building
33. Temporary Bus Will storage
34. Repair existing hand pump
35. Kiosk
36. Remove Wood Back Overlook
37. Repair existing bridge
38. Selective removal of existing trees to open the view
39. Reservoir parking lot
40. Scenic views
41. Proposed Marsh Overlook
42. Hum-Ra Center to new location
43. Raising-Table
44. Preserve Outpost Center
45. Dover Street Steakhouse (2016 Campus Master Plan)
46. Proposed Woodwalk / Overlook

- Trail
- Removed Trail
- Preserve Limits
- Gateway Entrance
- Realigned University Bay Drive
- Fire Circle
- Bench
- Parking
- Effigy Mounds
INVENTORY AND ANALYSIS
INVENTORY AND ANALYSIS

LAKESHORE NATURE PRESERVE DRAFT SITE INVENTORY

Lakeshore Nature Preserve Master Plan

- Preserve Main Gateway
- Shore of 1010 Marsh
- Bill’s Woods
- Big Woods
- SW Physical Plant Storage Area
- Eagle Heights Community Gardens
- KidCave Preserve
- Second Point Woods
- Contaktler’s Woods
- Pine Point
- Point Point Marsh
- Ponce Point Marsh
- Rocky Hill Point
- Trail Colony Woods
- Rayner’s Cove
- Raul physician Woods
- White Heights Woods
- University House Community Services
- University Bay
- East DC Stormwater Pond
- Boat Launch with ADA Parking
- Southeast Tract Lakeshore Path

Lakeshore Nature Preserve Master Plan

- 27 Strangle Marsh
- 28 Willow Creek Woods
- 29 Willow Marsh (2022 Willow Creek Master Plan)
- 31 Observatory Hill
- 32 Observation Area
- 33 Wetlands
- 34 Willow Creek Mounds
- 35 Eagle Heights Mounds
- 37 City of Madison/Water Utility
- 38 Wood Deck and Bike Parking Area
- 39 William E. Ford Brewery Bridge
- 40 Let 38
- 41 Beach House
- 42 Trolley Building
- 43 Temporary Res/Wet storage
- 44 Hand Pump
- 45 Storage
- 46 Wood Deck/Baywalk
- 47 Pedestrian Bridge
- 48 Let 130
- 49 Accessible parking lot
- 50 Storage shed

Legend:
- Grassland/Wetland
- Open Oak/Savanna
- Young Mesic Woods
- Mixed Oak Woodlands
- Areas which Lack Ecological Identity

- Existing Trail
- Preserve Limits
- Parking
- Logo
- Fire circle
- Effigy Mounds
- Sign
- Bench
- Existing Structure
INVENTORY AND ANALYSIS

Report Card

More than 70% dominated by native vegetation, vegetation predominantly reflective of historic or desired habitat

More than 50% dominated by native vegetation, some vegetative community transition evident

Less than 50% dominated by native vegetation, community undergoing transition or no dominant vegetative community observed

Lakeshore Nature Preserve Master Plan

Preserve Main Gateway
1. Class of 1949 Marsh
2. Willow Creek Woods
3. Willow Creek (2002 Willow Creek Master Plan)
4. Observatory Hill
5. Shoreline Access
6. Hay Woods
7. Willow Glen Marsh
8. Buffalo Heights Marsh
9. Lakefront Marsh
10. Mayflower Marsh
11. Point Pleasant
12. Point Pleasant Marsh
13. Inverness
14. Hay Marsh
15. Hay Woods
16. Willow Glen Marsh
17. Willow Glen Marsh
18. City of Madison Water Utility
19. West Bay and Reservoir Area
20. Robert C. Davey Discovery Center
21. Lot 24
22. Beach House
23. Lakefront
24. Temporary Boat Well Storage
25. Boat Pump
26. Kayak
27. West Bank Overlook
28. Pedestrian Bridge
29. Lot 130
30. Accessible Parking Lot
31. Existing Trail
32. Parking
33. Restroom
34. Picnic Area
35. Existing Structures
36. Lakeshore Nature Preserve Draft Site Analysis - 2022
INVENTORY AND ANALYSIS

Lakeshore Nature Preserve Master Plan

- Preserve Main Gateway
- Cliffs of 1938 Moraine
- MK's Woods
- Big Woods
- UW Physical Plant Storage Area
- Eagle Heights Community Gardens
- Red Cedar Ponds
- Second Point Woods
- Cunnah's Woods
- Piano Point
- Piano Point Marsh
- Piano Point Mounds
- Frederick Park
- Toy Colony Woods
- Baynes's Cove
- Wally Bauman Woods
- Eagle Heights Woods
- University Houses Community Gardens
- University Bay
- Lot 63 Stormwater Pond
- Boat Launch with AUA Parking
- Howard Tennis Lakeshore Path

- Triangle Marsh
- Willow Creek Woods
- Willow Creek (2002 Willow Creek Master Plan)
- Observatory Hill
- Shoreline Access
- Marl Woods
- Willow Drive Mounds
- Eagle Heights Mounds
- City of Madison Water Utility
- Wood Deck and Bike Parking Area
- Robert E. Bond Storyteller’s Circle
- Lot 36
- Beach House
- Toilet Building
- Temporary Rooftop storage
- Hand Pump
- Kiosk
- Wood Duck Box
- Pedestrian Bridge
- Lot 130
- Accessible parking lot
- Storage sheds

Areas of good ecological condition
Transitioned communities [Young Mesic Forest]
Areas of poor ecological condition
Areas which lack ecological identity

Existing Trail
Preserve Limits
Parking
Sign
Firelines
Bench
Effigy Mounds
Existing Structures

0' 400' N
RECOMMENDATIONS

LAKESHORE NATURE PRESERVE DRAFT VEGETATIVE ZONES

Lakeshore Nature Preserve Master Plan

- Recommended Additions
- Recommended Removal
- Existing to Remain

- Preserve Main Gateway
- Class of 1936 Marsh
- Bill’s Woods
- Big Woods
- SWF Plant Storage Area
- Eagle Heights Community Gardens
- BigCove Prairie
- Second Point Woods
- Colonel’s Woods
- Picnic Point
- Picnic Point Marsh
- Picnic Point Mound
- Fratucci Point
- Tern Colony Woods
- Reynsman’s Cove
- Holly Bayou Woods
- Eagle Heights Woods
- University Houseau Community Garden
- University Bay
- Lot 5D Stormwater Pond
- Boat Launch with ADA Parking
- Howard Tennis Lakeshore Park
- Triangle Marsh
- Willow Creek Woods
- Willow Creek (2022 Willow Creek Master Plan)
- Observatory Hill

Lakeshore Nature Preserve Master Plan

- Mexican Prairie
  - Centipede Grass (0-18")
- Wetland
  - Centipede Grass (0-95")
- Oak Opening / Grassy Area
  - Centipede Grass (0-50")
- Oak Woodland
  - Centipede Grass (60-98")

- Southern Dry Mexican Woods
  - Library Coverage 70-1501
- Southern Mexican Forest
  - Library Coverage 70-9581
- Lawn
- Oak

- Shoreline Access
- Mus Lawn
- Willow Drive Mounds
- Eagle Heights Mounds
- City of McAllen Water Utility
- Golf Course and Bike Park Area
- Robert E. Reed Storyteller’s Circle
- Lot 34
- Remove Beach House
- Remove Toilet Building
- Temporary Rainfall Storage
- Repair existing hand pump
- Blast
- Remove Wood Deck Overlook
- Remove existing bridge
- Selective removal of existing trees to open the view
- Accessible parking lot
- Storage sheds
- Proposed North Overlook
- Move Fire Circle to new location
- Gathering Shelter
- Preserve Outreach Center
- Charter Street Entrance (2010 Campus Master Plan)
- Proposed Beach / Overlook

smithgroup.com Lakeshore Nature Preserve Master Plan
RECOMMENDATIONS

LAKESHORE NATURE PRESERVE DRAFT VEGETATIVE ZONES

Lakeshore Nature Preserve Master Plan

- Preserve Main Gateway
- Class of 1918 Marsh
- Bill’s Woods
- Big Woods
- UW Physical Plant Storage Area
- Eagle Heights Community Gardens
- BioCore Park
- Second Point Woods
- Conant’s Woods
- Plastic Point
- Prisci Point Marsh
- Pounce Point Mounds
- Frontage Point
- Tern Colony Woods
- Rayne’s Cove
- Willy Seaman Woods
- Eagle Heights Woods
- University Houses Community Gardens
- University Bay
- Lot 92 Territorial Pond
- Boat Launch with ADA Parking
- Howard Talmi Lakeshore Park
- Triangle Marsh
- Willow Creek Woods
- Willow Creek (2051) Willow Creek Master Plan
- Observatory Hill

- Recommended Additions
- Recommended Removal
- Existing to Remain

- Shoreline Soups
- Hair Woods
- Willow Slough Woods
- Eagle Heights Mounds
- City of Madison Water Utility
- Wood Deck and Bike Parking Area
- Robert E. God Storyteller’s Circle
- Lot 34
- Remove Beach House
- Remove Toilet Building
- Temporary Rest Room storage
- Repair existing hand pump
- Ricker
- Remove Wood Deck/ Overlook
- Repair existing bridge
- Selective removal of existing trees to open view
- Accessible parking lot
- Storage sheds
- Proposed Marsh Overlook
- Move the Circle to new location
- Gathering Shelter
- Preserve Outreach Center
- Charter Street Shoreside (2016) Campus Master Plan
- Proposed Boardwalk/ Overlook

Mead Prairie
- Canopy Coverage 0-10%
- Wetland
- Canopy Coverage 0-15%
- Dock Opening / Potomac
- Canopy Coverage 15-60%
- Dock Woodland
- Canopy Coverage 60-90%

Southern Dried Mead Prairie
- Canopy Coverage 70-100%

Southern Wetland
- Canopy Coverage 70-100%

Lawn

Docks
Lakeshore Nature Preserve Master Plan

1. Preserve Main Gateway
2. Class of 1918 Marsh
3. Bill’s Woods
4. Big Woods
5. UW/Physical Plant Storage Area
6. Eagle Heights Community Gardens
7. Birchview Prairie
8. Second Point Woods
9. Constable’s Woods
10. Plains Point
11. Plains Point Marsh
12. Plains Point Mounds
13. Fresnada Point
14. Taft Colony Woods
15. Otter’s Cave
16. Wally Ginger Woods
17. Eagle Heights Woods
18. University Houses Community Gardens
19. University Bay
20. Lot 60 Stormwater Pond
21. Boat Launch with ADA Parking
22. Howard Terrance Lakeshore Path
23. Triangle Marsh
24. Willow Creek Woods
25. Willow Creek (2022) Willow Creek Master Plan
26. Observatory Hill

27. Shoreline Anesos
28. Woodlands
29. Willow Drive Mounds
30. Eagle Heights Mounds
31. Dry of Madison/Recreational Utility
32. Wood Dock and Bike Parking Area
33. Robert J. Grant Storyteller’s Circle
34. Lot 34
35. Remove Beach House
36. Remove Toilet Building
37. Temporary Pipe Well storage
38. Repair existing head pump
39. Kiosk
40. Remove Wood Dock Overlook
41. Repair existing bridge
42. Selective removal of existing trees to open the view
43. Accessible parking lot
44. Storage shed
45. Proposed Marsh Overlook
46. Move the Circle to new location
47. Shelter
48. Preserve/Exhibit Center
49. Quarter Street Staircase (2016) Campus Master Plan
50. Proposed Boat Dock/Overlook

Lakeshore Nature Preserve Draft Vegetative Zones

- Music Prairie
  - Canopy Coverage: 0-10%
- Wetland
  - Canopy Coverage: 0-90%
- Oak Opening / Savanna
  - Canopy Coverage: 0-50%
- Oak Woodland
  - Canopy Coverage: 50-55%
- Southern Dry Mesic Woods
  - Canopy Coverage: 70-100%
- Southern Mesic Forest
  - Canopy Coverage: 70-100%
- Lawn
- Oaks
INVENTORY AND ANALYSIS

Lakeshore Nature Preserve Master Plan

1. Preserve Main Gateway
2. Creek of 50' Marsh
3. MS Woods
4. Big Woods
5. UWM Physical Plant Storage Area
6. Eagle Heights Community Gardens
7. BiGrove Point
8. Second Point Woods
9. Denmark's Woods
10. Picnic Point
11. Picnic Point Marsh
12. Picnic Point Woods
13. Fresh Pond Point
14. Tom Colony Woods
15. Bayard's Cove
16. Walker's wood
17. Eagle Heights Woods
18. University House Community Ballard
19. University Bay
20. Lot 60 Starmore Pond
21. Boat Launch with ADA Parking
22. Howard Terwilliger Lakeshore Path
23. Triangle Marsh
24. Willow Creek Woods
25. Willow Creek [2002 Willow Creek Master Plan]
26. Observatory Hill
27. Snork Buff Access
28. Muir Woods
29. Willow Drive Mounds
30. Eagle Heights Mounds
31. City of Madison Water Utility
32. Wood Deck and Bike Parking Area
33. Robert E. Good Storyteller's Circle
34. Lot 34
35. Booth House
36. Tenant Building
37. Temporary Rec/Wall storage
38. Wind Pump
39. Brook
40. Wood Deck Overlook
41. Pedestrian Bridge
42. Lot 130
43. Accessible parking lot
44. Storage sheds

Existing trail
Section of trail in Poor Condition
Preserve Limits
Gateway Entrance
LAKESHORE NATURE PRESERVE DRAFT TRAIL INVENTORY
RECOMMENDATIONS
RECOMMENDATIONS

LAKESHORE NATURE PRESERVE DRAFT TRAIL IMPROVEMENTS

Lakeshore Nature Preserve Master Plan

- Recommended Additions
- Recommended Repairs
- Recommended Removal
- Existing to Remain

1. Preserve Main Gateway
2. Cross of 1910 Marsh
3. Bill’s Woods
4. Big Woods
5. Will Plastics Plant Storage Area
6. Eagle Heights Community Gardens
7. BioCare Prairie
8. Second Point Woods
9. Contento’s Woods
10. Plastic Point
11. Plastic Point Marsh
12. Plastic Point Marshes
13. Innto Point
14. Tami Colony Woods
15. Myriad’s Cove
16. Holly Springs Woods
17. Eagle Heights Woods
18. University Houses Community Gardens
19. Necessary Bay
20. Lot 60 Transformer Pool
21. Boat Launch with ADA Parking
22. Howard Tenk Lakeshore Path
23. Triangle Marsh
24. Willow Creek Woods
25. Willow Creek (2012 Willow Creek Master Plan)
26. Observatory Hill
27. Shoreline Access
28. Maple Woods
29. Willow Drive Mounds
30. Eagle Heights Mounds
31. City of Madison/Madison Utility
32. Wood Deck and Bike Parking Area
33. Robert E. Gard Storyteller’s Circle
34. Let 34
35. Remove Beach House
36. Remove Toilet Building
37. Temporary Fuel Well storage
38. Repair existing hand-pump
39. Creek
40. Remove Wood Deck Overlook
41. Repair existing bridge
42. Selective removal of existing trees to open the view
43. Accessible parking lot
44. Fiber optic hubs
45. Proposed March Overlook
46. More Tree Circle to new location
47. Replacing Shelter
48. Preserve Outreach Center
49. Charter Street Entrance (2016 Campus Master Plan)
50. Proposed Boardwalk / Overlook

Preserve Limits
- Existing Trail
- New Trail
- Removed Trail
- Repaired Trail

Fire Circle
- Bench
- Gateway Entrance
Effigy Mound
RECOMMENDATIONS

LAKESHORE NATURE PRESERVE DRAFT TRAIL IMPROVEMENTS

- Recommended Additions
- Recommended Repairs
- Recommended Removal
- Existing to Remain

Preserve Main Gateway
- Class of 1919 Marsh
- Bills Woods
- Big Woods
- UWF Physical Plant Storage Area
- Eagle Heights Community Gardens
- Black Creek Ponds
- Second Point Woods
- Gator's Woods
- Picnic Point
- Pescadero Point Marsh
- Pescadero Point Mounds
- Freshwater Point
- Tent Colony Woods
- Ranger's Cave
- Wally Bonner Woods
- Eagle Heights Woods
- University House Community Gardens
- University Bay
- Lot 60 Stormwater Pond
- Boat Launch with ADA Parking
- Howard Tillman Lakeshore Path
- Triangle Marsh
- Willow Creek Woods
- Willow Creek (2012 Willow Creek Master Plan)
- Observatory Hill
- Shoreline Ancestry
- Mar Woods
- Willow Drive Mounds
- Eagle Heights Mounds
- City of Madison Water Utility
- Wood Dock and Bike Parking Area
- Robert E. Ginn Storyteller's Circle
- Lot 34
- Remove Beach House
- Remove Toilet Building
- Temporary Rod/Well storage
- Repair existing hand pump
- Kiosk
- Remove Wood Dock Overlook
- Repair existing bridge
- Selective removal of existing trees to open the view
- Accessible parking lot
- Storage shed
- Proposed Marsh Overlook
- Move fire circle to new location
- Gathering Shelter
- Preserve Entrance Center
- Charter Street Staircase (2016 Campus Master Plan)
- Proposed Boardwalk Overlook

University Bay Drive

0" 400'
**RECOMMENDATIONS**

**LAKESHORE NATURE PRESERVE DRAFT TRAIL IMPROVEMENTS**

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**Lakeshore Nature Preserve Master Plan**

- **Recommended Additions**
  - Preserve Main Gateway
  - Class of ’18 Marsh
  - Bill’s Woods
  - Big Woods
  - UNL Plant Science Preserve
  - Eagle Heights Community Garden
  - Bicentennial Point
  - Second Point Woods
  - Benches Point
  - Tranquil Point
  - Pine Point Marsh
  - Pine Point Meadow
  - Fox Mutual Point
  - Bayview Woods
  - Wawona Woods
  - Eagle Heights Woods
  - University Houses Community Garden
  - University Sunny Bay
  - Lot 60 Stormwater Pond
  - Beep Loops with ADA Parking
  - Noland Farm Lakeshore Path
  - Triangulo Marsh
  - Willow Creek Woods
  - Willow Creek [2022 Willow Creek Master Plan]
  - Observatory Hill

- **Recommended Repairs**
  - 21
  - 26
  - 23

- **Recommended Removal**
  - 22
  - 25

- **Existing to Remain**
  - 19

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**Preserve Limits**

- Fire Circle
- Bench
- New Trail
- Removed Trail
- Repaired Trail
- Gateway Entrance
- Effigy Mound

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*smithgroup.com* Lakeshore Nature Preserve Master Plan
RECOMMENDATIONS
RECOMMENDATIONS

Lakeshore Nature Preserve Master Plan

- Recommended Additions
- Recommended Repairs
- Existing to Remain

1. Preserve Main Gateway
2. Class of 1919 Marsh
3. Bill’s Woods
4. Big Woods
5. UFC Football/Plant Storage Area
6. Eagle Heights Community Gardens
7. BikePath
8. Second Point Woods
9. Contractor’s Woods
10. Pinney Point
11. Pinney Point Marsh
12. Frensham Point
13. Test Colony Woods
14. Wayner’s Cove
15. Wally Bourne Woods
16. Eagle Heights Woods
17. University House Community Gardens
18. University Bay
19. Lot 60 Stormwater Pond
20. Boat Launch with ADA Parking
21. Howard Tanen Lakeshore Path
22. Triangle Marsh
23. Willow Creek Woods
24. Willow Creek [2022 Willow Creek Master Plan]
25. Observatory Hill

26. Shoreline Access
27. Mar Woods
28. Willow Drive Mounds
29. Eagle Heights Mounds
30. City of Madison Water Utility
31. Wood Dock and Bike Parking Area
32. Robert E. Grant Storyteller’s Circle
33. Lot 34
34. Remove Beach House
35. Remove Toilet Building
36. Temporary Porta-Potty storage
37. Repair existing hand pump
38. Kiosk
39. Remove Wood Dock/Overlook
40. Repair existing bridge
41. Selective removal of existing trees to open the view
42. Accessible parking lot
43. Storage sheds
44. Proposed Marsh Overlook
45. Move Ice Circle to new location
46. Sailing Shelter
47. Preserve Entrance Center
48. Charter Street Staircase [2016] Campus Master Plan
49. Proposed Boardwalk / Overlook

LAKESHORE NATURE PRESERVE DRAFT TRAIL TYPES

- Natural Trail Surface (Packed Earth)
- Natural Trail Surface (Lawn)
- Decomposed Granite Trail
- Boardwalk
- Paved Trail (Concrete or Asphalt)
- Preserve Limits
- Gateway Entrance
RECOMMENDATIONS

LAKESHORE NATURE PRESERVE DRAFT TRAIL TYPES

Lakeshore Nature Preserve Master Plan

- Recommended Additions
- Recommended Repairs
- Recommended Removal
- Entering to Remain

1. Preserve Main Entrance
2. Class of 1918 Marsh
3. Bill’s Woods
4. Big Woods
5. PH Physical Plant Storage Area
6. Eagle Heights Community Garden
7. Bluegrass Prairie
8. Second Point Woods
9. Contacto’s Woods
10. Poison Point
11. Poison Point Marsh
12. Poison Point Marsh
13. Francis International
14. Maporian’s Cove
15. Wally Bowman Woods
16. Eagle Heights Woods
17. University Houses Community Garden
18. University Bay
19. Lot 60 Stormwater Pond
20. East Lagoon with ADA Parking
21. Howard Tishch Lakeshore Path
22. Atlantic Marsh
23. Willow Creek Woods
24. Willow Creek [2022 Willow Creek Master Plan]
25. Reservoir 653
26. Shoreline Access
27. Mail Woods
28. Willow Drive Houses
29. Eagle Heights House
30. City of Hammond House
31. Wood Duck and Bike Parking Area
32. Robert E. Gard Storyteller’s Circle
33. Lot 34
34. Remove Debris House
35. Remove Detail Building
36. Temporary Bird/Well area
37. Repairs existing hand pump
38. Kiwix
39. Remove Wood Duck Overlook
40. Repairs existing ledge
41. Salvage removal of decaying trees to open view
42. Accessible parking lot
43. Storage sheds
44. Proposed Marsh Overlook
45. Move Fire Circle to new location
46. Gathering Shelter
47. Preserve Outreach Center
48. Charter Street Streetscape [2016 Campus Master Plan]
49. Proposed Boardwalk / Overlook

- Natural Trail Surface (Packed Earth)
- Natural Trail Surface (Lawn)
- Decomposed Granite Trail
- Boardwalk
- Paved Trail (Concrete or Asphalt)
- Preserve Limits
- Gateway Entrance
Lakeshore Nature Preserve Master Plan

1. Preserve Main Gateway
2. Class of 1918 Marsh
3. Bill’s Woods
4. Big Woods
5. UW Physical Plant Storage Area
6. Eagle Heights Community Gardens
7. Bicentennial Park
8. Second Point Woods
9. Contermers’ Woods
10. Picnic Point
11. Pierce Point Marsh
12. Pierce Point Mounds
13. Fratzen Point
14. Tart Colony Woods
15. Reynard’s Cove
16. Wally Barnes Woods
17. Eagle Heights Woods
18. University Houses Community Gardens
19. University Bay
20. Lot 40 Terrence Pond
21. Boat Launch with ADA Parking
22. Howard Terman Lakeshore Path
23. Triangle Marsh
24. Willow Creek Woods
25. Willow Creek (2002 Willow Creek Master Plan)
26. Observatory Hill

RECOMMENDATIONS

LAKESHORE NATURE PRESERVE DRAFT TRAIL USE

- Recommended Additions
- Recommended Repairs
- Entering to Remain

- Recommended Removal

- Shoreline Access
- Mail Roads
- Willow Creek Mounds - Eagle Heights Mounds - City of Madison Water Utility
- Wood Deck and Bike Parking Area
- Robert E. Good Storyteller’s Circle
- Lot 34
- Remove Beach House
- Remove Toilet Building
- Temporary Boat Well storage
- Repair existing hand pump
- Ramps
- Remove Wood Deck/Overlook
- Repair existing bridge
- Selective removal of existing trees to open the view
- Accessible parking lot
- Storage sheds
- Proposed Marsh Overlook
- Move the Circle to a new location
- Gathering Shelter
- Preserve Outreach Center
- Charter Street Staircase (2018) Campus Master Plan
- Proposed Boardwalk/Overlook

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Lakeshore Nature Preserve Master Plan
RECOMMENDATIONS

Lakeshore Nature Preserve Master Plan

Recommended Additions
Recommended Repairs
Recommended Removal
Existing to Remain

1. Preserve Main Gateway
2. Class of 1918 Marsh
3. Bill’s Woods
4. Big Woods
5. UPRF Fish and Plant Storage Area
6. Fish and Plant Remediation
7. Eagle Heights Community Gardens
8. Big Woods
9. Second Point Woods
10. Grato’s Woods
11. Pines Point
12. Point Marsh
13. Point Marsh
14. Freendale Point
15. Tannery Woods
16. Wagner’s Cove
17. Wallyours Woods
18. Eagle Heights Woods
19. University Hosen Community Gardens
20. University Bay
21. Lot 60 Stormwater Pond
22. Boat Launch with ADA Parking
23. Howard Tamir Lakeshore Path
24. Triangle Marsh
25. Willow Creek Woods
26. Willow Creek [2022 Willow Creek Master Plan]
27. Observatory Hill

Foot Path
New Path (Bike/Ped)
Emergency Vehicle Access
Maintenance Vehicle Access
Preserve Limits
Realigned University Bay Drive
Gateway Entrance

Lakeshore Nature Preserve Draft Trail Use
INVENTORY AND ANALYSIS

LAKESHORE NATURE PRESERVE DRAFT EROSION ANALYSIS
INVENTORY AND ANALYSIS

LAKESHORE NATURE PRESERVE
DRAFT EROSION ANALYSIS

Lakeshore Nature Preserve Master Plan

1. Preservation Main Gateway
2. Drain of 1976 Wash
3. B&L's Woods
4. Big Woods
5. UWF Physical Plant Storage Area
6. Eagle Heights Community Gardens
7. Beehive Picnic
8. Second Point Woods
9. Ravenswood Woods
10. Picnic Point
11. Picnic Point Marsh
12. Picnic Point Mounds
13. Freeman's Point
14. West Colony Woods
15. Baynes' Cove
16. Wicky Bunnell Woods
17. Eagle Heights Woods
18. University Houses Community Gardens
19. University Bay
20. Lot 00 Starwater Pond
21. Boat Launch with ADA Parking
22. Howard Terminal Lakeshore Path
23. Triangle Marsh
24. Willow Creek Woods
25. Willow Creek [SW/2 Willow Creek Master Plan]
26. Observatory Hill
27. Shoreline Access
28. Waterfront
29. Willow Drive Mounds
30. Eagle Heights Mounds
31. City of Madison/Water Utility
32. Wood Dock and Bike Parking Area
33. Robert D. Quidor Streetcar's Circle
34. Lot 92
35. Beach House
36. Toilet Building
37. Temporary Rec/Wall storage
38. Sand Pump
39. Kiosk
40. Wood Dock Overflow
41. Pedestrian Bridge
42. Lot 130
43. Accessible parking lot
44. Storage sheds

Existing Trail
Preserve Limits
Parking
Sign
Effigy Mounds
Existing Structure

Troll-in-Poor Cond.
Amenity in poor condition
Areas of severe erosion

smithgroup.com Lakeshore Nature Preserve Master Plan
RECOMMENDATIONS

Lakeshore Nature Preserve Master Plan

Recommended Additions
Recommended Repairs
Extant to Remain

1. Preserve Outreach Center
2. Gathering Shelter
3. Willow Creek (2022) Willow Creek Master Plan
4. Chester Street Staircases (2016) Campus Master Plan
5. Wood Deck and Bike Parking Area
6. Proposed Boardwalk / Overlook
7. Move Springer to new location
8. Proposed Marsh Overlook
9. Restore existing bridge
10. Repair existing hand pump
11. Repair existing bridge
12. Restore University Drive
13. Selective removal of existing trees to open up the view
14. Temporary Pier / Wet Storage
15. Restore Wood Deck Overlook
16. Restore Beach House

0' 400'
RECOMMENDATIONS

LAKESHORE NATURE PRESERVE DRAFT CAPITAL IMPROVEMENTS

Lakeshore Nature Preserve Master Plan

- Recommended Additions
- Recommended Repairs
- Existing to Remain

- Preserves Outpost Center
- Gathering Shelter
- Willow Creek (2012 Willow Creek Master Plan)
- Smart Street Staircase 2016 Campus Master Plan
- Wood Deck and Bike Parking Area
- Proposed Boat ramp/Overlook
- Move Frequent to new location
- Proposed Marsh Overlook

- Recommended Removal
- Repair existing bridge
- Repair existing road
- Realignment University Bay Drive
- Selective removal of existing trees to open up the view
- Temporary Rec / Well Storage
- Remove Wood Deck Overlook
- Remove Beach House

Trail
- Removed Trail
- Edges of Preserve
- Realigned University Bay Drive

Fire Circle
- Bench
- Parking
- Effigy Mounds
RECOMMENDATIONS
RECOMMENDATIONS

LAKESHORE NATURE PRESERVE
DRAFT MANAGEMENT DISTRICTS

Lakeshore Nature Preserve Master Plan

Recommended Additions
- Preserve Main Entryway
- Class of 1919 Marsh
- Bill's Woods
- Big Woods
- Lower Physical Plant Storage Area
- Eagle Heights Community Garden
- Bluestone Prairie
- Second Point Woods
- Conchita's Woods
- Plum Point
- Plano Point Marsh
- Plano Point Marshland
- Frontage Point
- Tent Golden Woods
- Baynard's Cove
- Wally Bouman Woods
- Eagle Heights Woods
- University House Community Garden
- University Boy
- Lot 60 Stormwater Pond
- Beet Loons with ADA Parking
- Harvard-Tech Lakeshore Path
- Vigilant Marsh
- Willow Creek Woods
- Willow Creek (2012 Willow Creek Master Plan)
- Observatory #3

Recommended Repairs
- Shoreline Access
- Mail Woods
- Willow Drive Monitors
- Eagle Heights Monitors
- City of Medford/Mill Valley
- Wood Duck and Bike Parking Area
- Robert E. Gard Storyteller's Circle
- Lot 34
- Menlo Ranch House
- Menlo Ralph Building
- Temporary Heat/Water storage
- Repair existing hand pump
- Kiosk
- Remove Wood Duck Overlook
- Repair existing bridge
- Sadler recommended erasing trees to open the new
  entrance/exit parking lot
- Storage sheds
- Proposed Marsh Overlook
- Move Fire Circle to new location
- Gathering Shelter
- Preserve Outreach Center
- Charter Street Trails (2016 Campus Master Plan)
- Proposed Breerwalk / Overlook

Recommended Removal
- Entering to Remain