

The Lower Yahara River Trail Phase One Planning and Design

Public Information Meeting

June 17th, 2009





Why Are You Here?

- ◆ Bike Trail
- ◆ Environmental Concern
- ◆ Concerned Neighbor
- ◆ Water Levels
- ◆ Boater/Fisherman
- ◆ Concerned Park Patron
- ◆ ?

The Lower Yahara River Trail

- ◆ Introductions
- ◆ Project History and Background
- ◆ Planning Status
- ◆ Project Stakeholder Team
- ◆ Phase One Project Overview
- ◆ Phase One Project Objectives
- ◆ Phase One Planning Considerations
- ◆ Preliminary Design Concepts
- ◆ Next Steps
- ◆ Listening Session
- ◆ Project Team Question/Answers



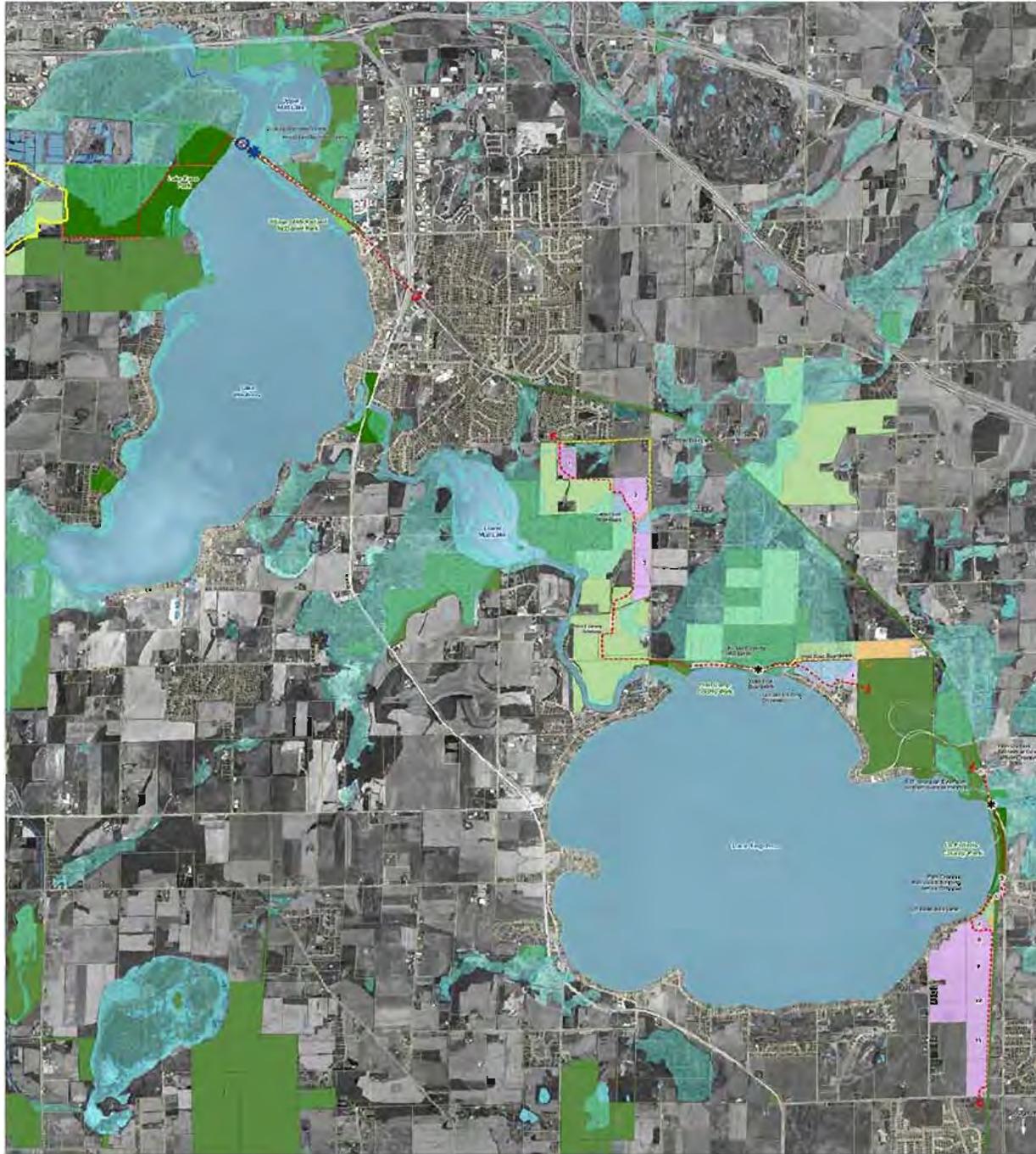
The Lower Yahara River Trail Project History and Background

- ◆ Trail Concept Originated 1995 from Village of McFarland during update to County POSP
- ◆ Support for trail was reinforced and expanded by McFarland, Town of Dunn and Stoughton over the past 12 years for connections to Capital City Trail
- ◆ Dane County Parks has been actively acquiring lands for the entire corridor



Lower Yahara Multi-Use Trail

Map Revised November 29, 2007



Legend

- Primary Trail Route
- Secondary Trail Route
- On Road Bike Lane
- Boardwalk
- 5.0' Shoulder Extension on Both Sides of the Road

- Poles/Inlets
- Railroad Crossing
- Bridges
- Primary Parcels for Acquisition
- Secondary Parcels for Acquisition

- County Owned Land
- State/Federal Land
- Dane County Parks
- Wetlands > 2 acres
- Lake/Ford

- ✱ Proposed Railroad Trivia
- Existing Railroad Trivia
- Capital City Trail



Planning Status

- ◆ Fall 2007 Stakeholder Kickoff Meeting
- ◆ Scope of Project Expanded to Consider Water Flow, Navigation and Corridor Safety
- ◆ Spring 2008 Established Stakeholder Committee
- ◆ Summer 2008 Issued LYRT RFP
- ◆ Fall 2008 Hired Graef for Design Development
- ◆ Winter 2009 Began Conceptual Design Development
- ◆ Spring 2009 Applied for Phase 2 Economic Stimulus \$
(Required “Shovel Ready” by December 1, 2009)
- ◆ Spring 2009 Expanded Graef Contract to PS&E
- ◆ May 2009 Completed Wetland Delineation, Boring Investigation
- ◆ June 2009, Public Information Meeting

Stakeholder Oversight Committee

- ◆ Ken Lucht, WSOR
- ◆ Sue Josheff, WDNR
- ◆ Cami Peterson, WDNR
- ◆ Vicki Schaefer, WDOT
- ◆ Kim Johnson, Citizen Member
- ◆ Larry Nelson, City of Madison
- ◆ John Reimer, City of Madison
- ◆ Rob Phillips, City of Madison
- ◆ Rich Vela, City of Monona
- ◆ Arthur Ross, Bicycle Advocate
- ◆ Jeremy Balousek, Dane County
- ◆ Kevin Connors, Dane County
- ◆ Chris James, Dane County
- ◆ Pauline Boness, Village of McFarland
- ◆ Doug Wood, OCR
- ◆ Roger Breske, OCR



The Lower Yahara River Trail Phase One Project Overview

- ◆ Explore creation of a multi-use path between Lake Farm Park and McDaniel Park
- ◆ Trail segment is approximately 1 mile in length
- ◆ Wetland designation and topography would require the majority of this trail segment to be boardwalk
- ◆ One clear span bridge approximately 100' in length would be required to cross Yahara River
- ◆ Approximate ownership:

1500' Village of McFarland, 1400' DNR, 2100' DOT



**Proposed Lake Farm-McFarland Segment
Lower Yahara River Trail**

■ City of Madison Parcel (MSB)

 Dane County Parcel (MSB)

Digital Orthophoto from April 2008
 WFSOR = Wisconsin State Office of Water Resources
 Map created October 2007 by Dane Co. GIS

Map Location



Phase One Project Objectives

- ◆ Construct Multi Use Trail between Lake Farm County Park and McDaniel Park
- ◆ Improve Water Flow at RR Trestle
- ◆ Improve Boat Navigation at RR Trestle
- ◆ Improve Safety and Reduce Trespass Issues on Railway Corridor



Preliminary Planning Considerations

- ◆ Wisconsin & Southern Railroad Company Liability
- ◆ Access Agreements
- ◆ Permitting Requirements
- ◆ Other Adjacent Recreation Uses (Hunting, Fishing, Boating, Canoe/Kayaking)
- ◆ Aesthetics
- ◆ Improved Waterway Navigation
- ◆ Enhanced Shore Fishing Opportunities



Planning Considerations Cont.

- ◆ Water Regulatory Considerations
- ◆ Aesthetics
- ◆ Structural Considerations
- ◆ Safety and Separation
- ◆ Environmental Considerations
- ◆ Hydraulic Flow and Lake Levels



Safety and Separation

- ◆ WDOT/WSOR Right of Way Extends 49.5' from Centerline of RR Tracks
- ◆ Provide Alternative Walking and Shore Fishing Options
- ◆ Design to Discourage Leaving Trail through Railings and Height



Environmental Considerations

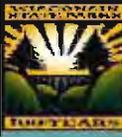
- ◆ 2002 Capital Springs Ecological Overview

Prepared by Clark Forestry

http://www.dnr.state.wi.us/master_planning/capsprings/data/cap_springs_eco_review.pdf

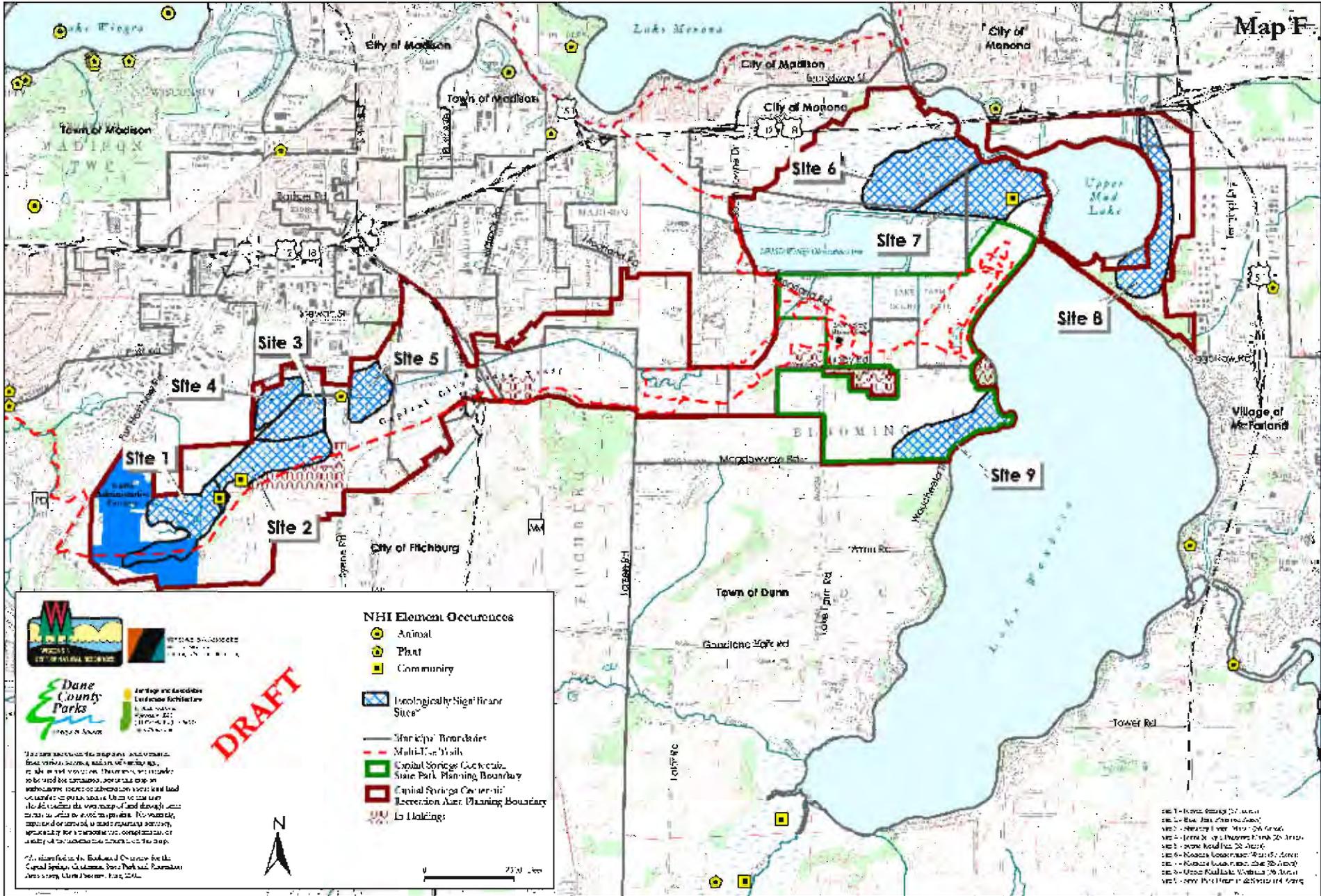
- ◆ 2009 Phase 1 Environmental Assessment
- ◆ Wetland Delineation





Wisconsin Department of Natural Resources
 Capital Springs Centennial State Park & Recreation Area
 Ecosystems of Ecological Significance (June, 2003)

Map F



DRAFT

- NHI Element Occurrences**
- Animal
 - Plant
 - Community
 - Ecologically Significant Sites
- Municipal Boundaries**
- Municipal Boundaries
 - Multi-City York
 - Capital Springs Centennial State Park Planning Boundary
 - Capital Springs Centennial Recreation Area Planning Boundary
- Land Holdings**
- Land Holdings

The information on this map was prepared by the Wisconsin Department of Natural Resources, Bureau of Land Management, and the Dane County Parks Department. It is intended for informational purposes only and should not be used for any other purpose. The information on this map is subject to change without notice. The information on this map is not a warranty, representation, or endorsement of any product or service. The information on this map is not a guarantee of any kind. The information on this map is not a contract. The information on this map is not a license. The information on this map is not a franchise. The information on this map is not a partnership. The information on this map is not a joint venture. The information on this map is not a conspiracy. The information on this map is not a crime. The information on this map is not a tort. The information on this map is not a contract. The information on this map is not a license. The information on this map is not a franchise. The information on this map is not a partnership. The information on this map is not a joint venture. The information on this map is not a conspiracy. The information on this map is not a crime. The information on this map is not a tort.

Site 1 - Forest (27 acres)
 Site 2 - Blue Jay (200 acres)
 Site 3 - Heron (100 acres)
 Site 4 - Green Heron (100 acres)
 Site 5 - Green Heron (100 acres)
 Site 6 - Green Heron (100 acres)
 Site 7 - Green Heron (100 acres)
 Site 8 - Green Heron (100 acres)
 Site 9 - Green Heron (100 acres)

Source: Town of Dunn Land Information Office & Wisconsin DNR

Hydraulic Flow and Lake Level Analysis

Concept: Improve water level management by providing greater conveyance from Monona to Waubesa.



Modeling Results

LAKE MONONA

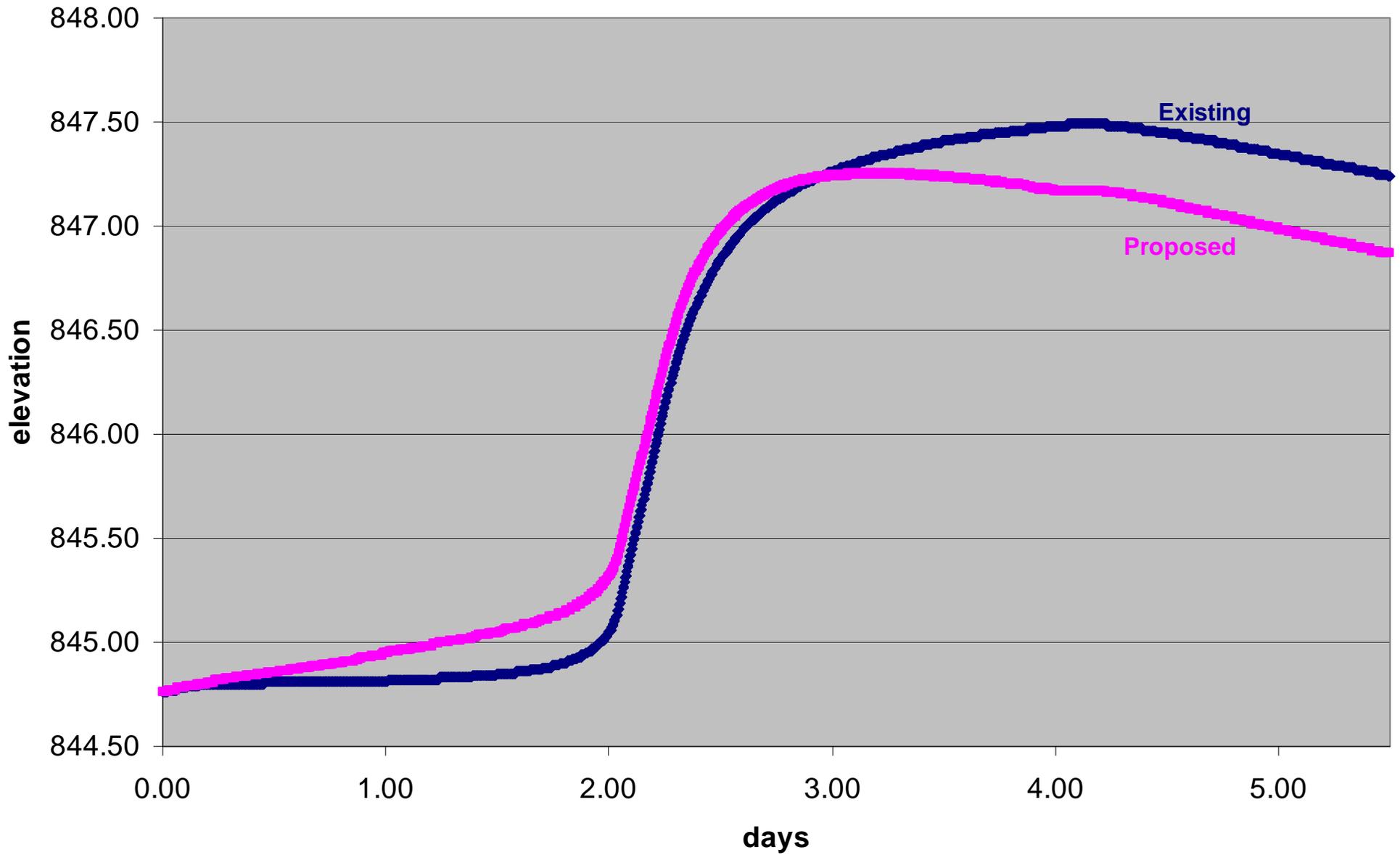
- Peak elevation is reduced and duration is not as long.
- Benefits realized may increase during more frequent and smaller rain events.

LAKE WAUBESA

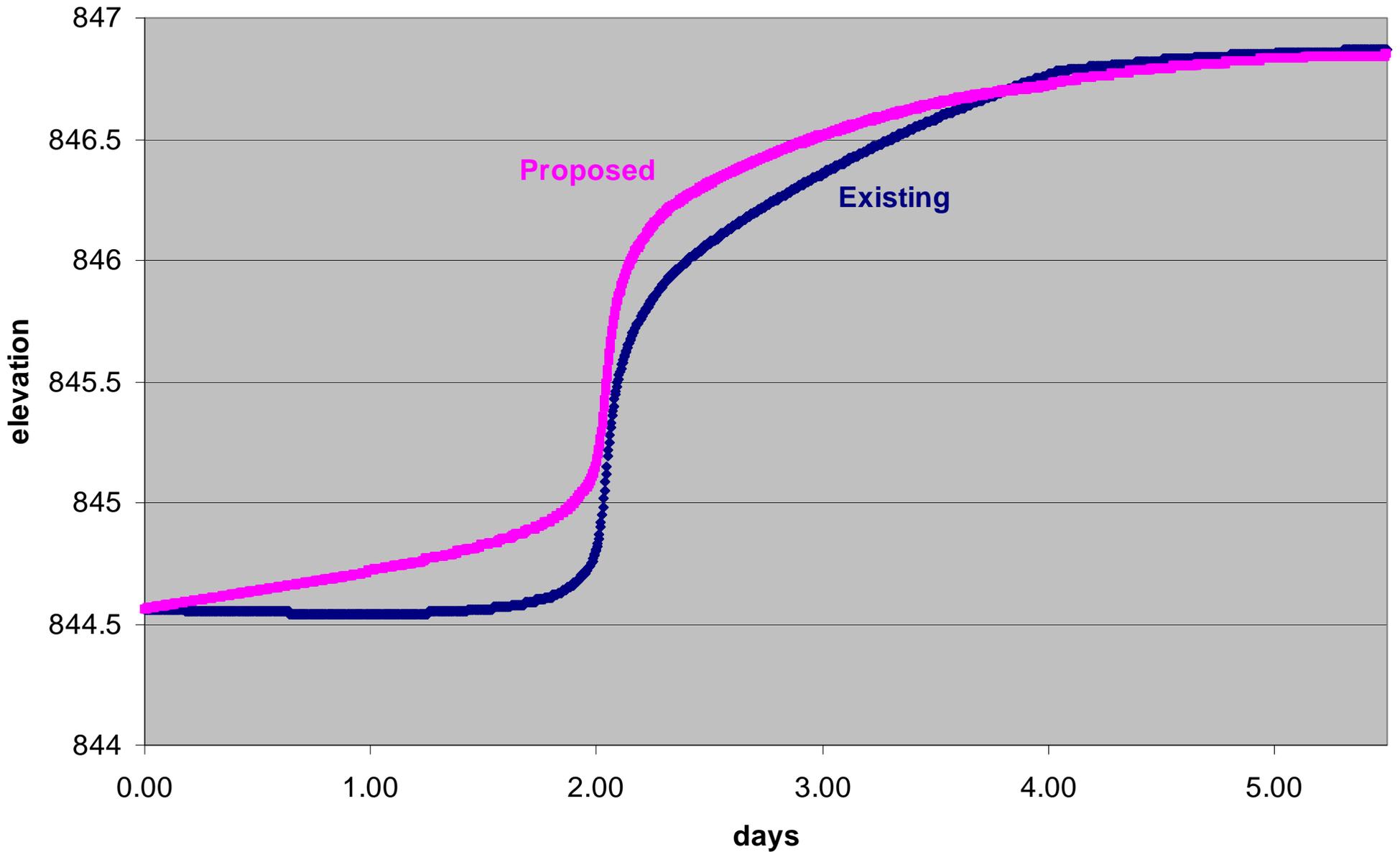
- Proposed peak elevation does not change.
- Allows for better water management of Waubesa.



Monona Existing vs Proposed Conditions



Waubesa Existing vs Proposed Conditions



Preliminary Design Concepts

- ◆ 14' Wide Engineered Boardwalk at Shoreline
- ◆ 12' Boardwalk at McDaniel in Wooded Area
- ◆ 100' Clear Span Bridge
- ◆ Temporary Use of Existing Park Roads
- ◆ Long Term Paved Trail from Trestle to CCT





GRāEF

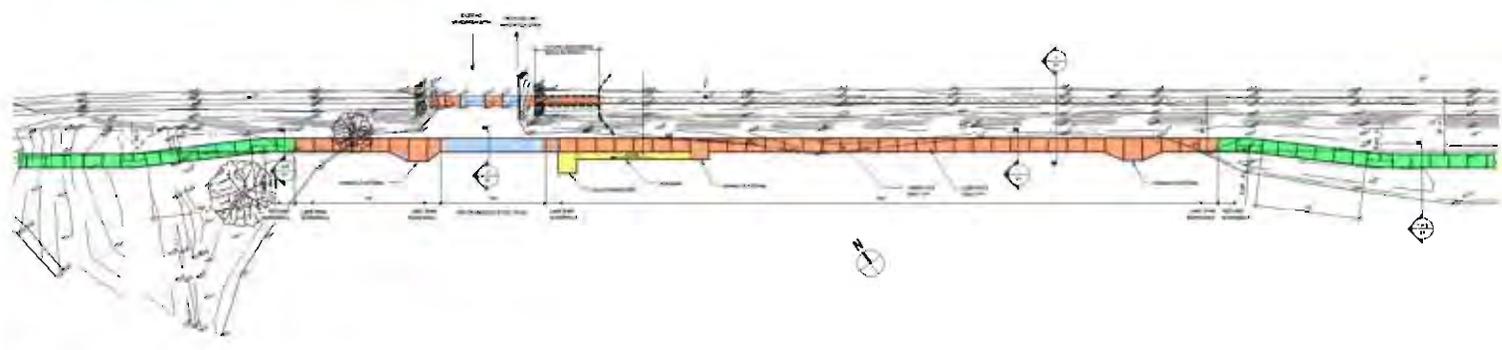


1/20 West Tanager Drive,
 Suite 111
 Maribyrnong VIC 3020, AUSTRALIA
 08 83 242 1000
 08 83 242 0700 fax

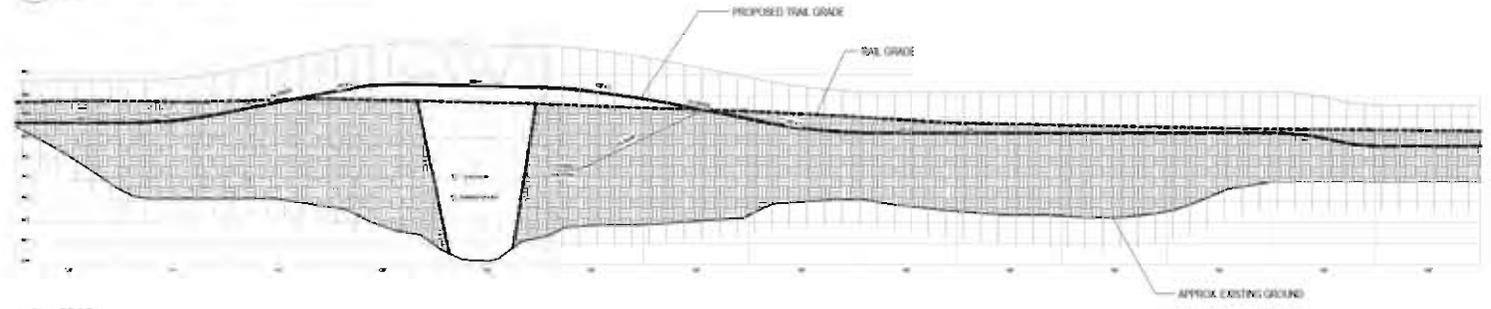
www.graef.com.au



1 LAKE SPAN BOARDWALK SECTION 2 SECTION AT NAVIGATION SPAN 3 SECTION AT LAKE SPAN BOARDWALK 4 WETLAND BOARDWALK OPTION A 5 WETLAND BOARDWALK OPTION B



6 BRIDGE AND BOARDWALK PLAN



7 PROFILE

PROJECT TITLE	LOWER TANGARA BRIDGE
SCALE	
PROJECT INFORMATION	
PROJECT NUMBER	2008-002
DATE	06/06/08
DRAWN BY	MFJ
CHECKED BY	RM
APPROVED BY	RM
SCALE	AS NOTED
SHEET TITLE	BRIDGE AND BOARDWALK PLAN
SHEET NUMBER	

S1

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Preliminary Cost Estimates

- ◆ Multi Use Boardwalk/Bridge (Approx. 1 mile)

\$2.5-3 Million

- ◆ Trestle Expansion (Approx. 70')

\$750,000-1 Million

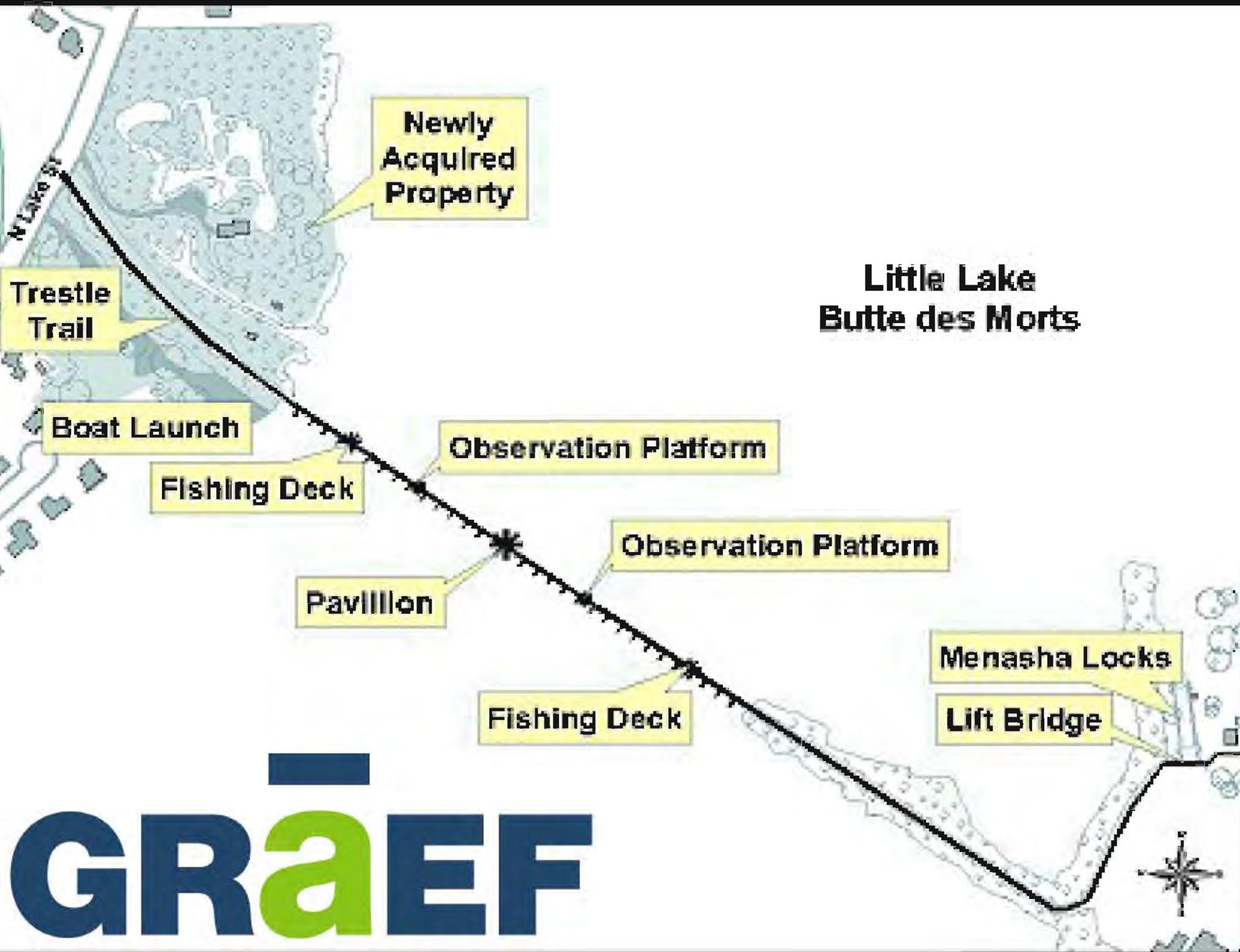


Similar Projects

- ◆ Trestle Trail-Town of Menasha
- ◆ Located on Little Lake Buttes des Morts
- ◆ Approx. 4000' long, 2000' span open water
- ◆ Includes fishing platforms, pavilion, overlook



Little Lake Butte des Morts



GRÄEF

The Lower Yahara River Trail Next Steps

- ◆ Complete Construction Documents by End of the Year
- ◆ Secure Necessary DNR/ACOE Permits
- ◆ Apply for Upcoming Funding in early 2010
- ◆ Construction 2011?

Contact: Chris James, Park Planner
608-224-3763



It's Time for our Patent Pending Public Listening Session!

Please...

- Respect your allotted time limit
 - Do not interrupt or interject during others comments
 - Do not laugh at somebody else's idea or comment
 - Refrain from talking while others are speaking
- ◆ We'll be here as long as we can afterward to answer additional questions.



Questions?

For more information contact:

Chris James, Park Planner

Dane County Parks Division

1 Fen Oak Court, Room 234

Madison, WI 53718

James@co.dane.wi.us

608-224-3763

Thank You!