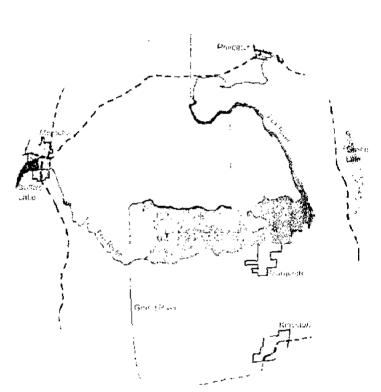
Final Version, June 5, 2004

Comprehensive Management Plan for Lake Puckaway

Approved at the LPPRD Annual Meeting on June 5, 2004

CHAMPION?



Phasel+2 CPL-905

Lake Puckaway Protection & Rehabilitation District

W591 Fox Court, Montello, Wisconsin 53949 www.lakepuckaway.com

Acknowledgements

This work was supported by Lake Planning Grants awarded to the Lake Puckaway Protection and Rehabilitation District (LPPRD) by the Wisconsin Department of Natural Resources for two grant periods, 2002-2003 and 2003-2004. Anne Forbes of Partners in Place, LLC provided consulting and facilitation services during the second grant period; Nancy Aten assisted with graphics and poster design, and Michelle Larson with typing and report formatting. The Commissioners would like to thank the many lake users and WDNR staff who provided time and hard work for the development of this plan.

In particular, we'd like to acknowledge the many people who worked on the Issue Teams during the first grant period and the many more who attended the Open House to comment on the draft plan during the second grant period. We were pleased to note that overall feedback on the draft plan at the April 3, 2004 Open House was favorable. A report on the results of the public feedback is available by request from the Chair. Between 75% and 86% of attendees either agreed or strongly agreed with 19 of the 21 goals in the draft plan. The remaining 2 goals, both related to wildlife management, had only 19%-52% agreement or strong agreement. At the same time that there was agreement, there were many excellent comments made and concerns raised that contributed to revisions. This final version of the plan was approved by the membership at the annual lake district meeting on June 5, 2004.

Lake Puckaway Protection and Rehabilitation District Commissioners 2003-2004

Paul Gettelman	930 Hickory Lane Stoddard, WI 54650	Term: 2003-2006
Randy Schmidt	N9904 Hwy A Fox Lake, WI 53933	Term: 2003-2006
Rudy Winther (Chair)	Box 6 Marquette, WI 53947	Term: 2002-2005
Dave Ferge	W6268 Lakeview Dr. Markesan, WI 53946	Term: 2001-2004
Donn Dahlke	W873 North Shore Dr. Montello, WI 53949	Term: 2001-2004
Bernie Kasierski	W4280 Reetz Rd. Princeton, WI 54968	Term: Green Lake Co. LCD
		Appointee
Clayton Masters	W591 Fox Court Montello, WI 53949	Term: Standing Member,
		Mecan Twn, Marquette Co.
		Appointee

Lake Puckaway Protection and Rehabilitation District Commissioners 2004-2005

Paul Gettelman	930 Hickory Lane Stoddard, WI 54650	Term: 2003-2006
Randy Schmidt	N9904 Hwy A Fox Lake, WI 53933	Term: 2003-2006
Dave Ferge	W6268 Lakeview Dr. Markesan, WI 53946	Term: 2004-2007
Phil Malsack (Chair)	W781 Fox Court Montello WI 53949	Term: 2004-2007
Clayton Masters	W591 Fox Court Montello, WI 53949	Term: Standing Member,
		Mecan Twn, Marquette Co.
Howard Sell N3415	Hwy 73 Markeson WI 53946	Term: Green Lake Co. LCD
		Appointee

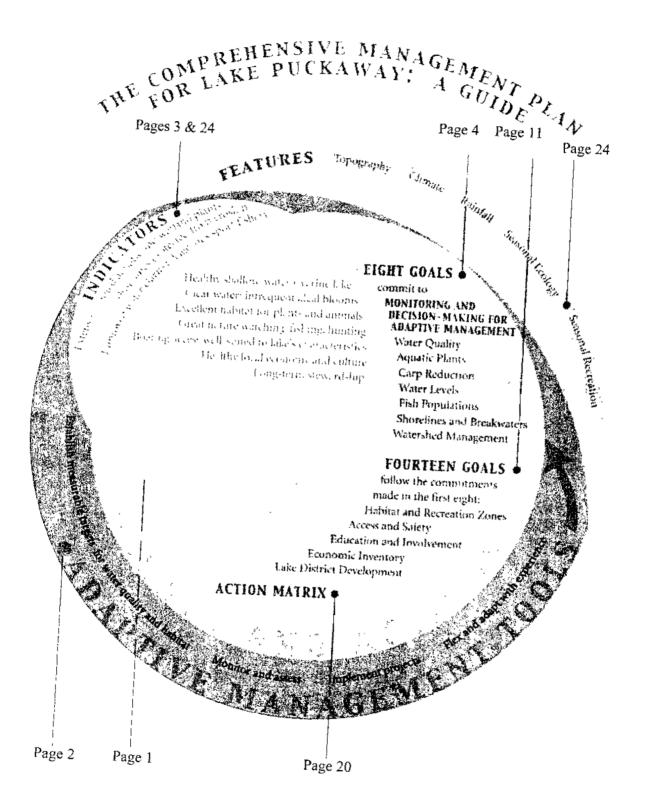


Table of Contents

Acknowledgements		į
The Comprehensive Management Plan: A Guide		li
Mission and Vision		İ
Commitment to Adaptive Management & Flexibility for the Future		2
Priority Goals and Actions for Adaptive Management Goal 1. Monitoring and decision-making for adaptive management. Goal 2. Water quality. Goal 3. Aquatic plants. Goal 4. Carp reduction. Goal 5. Water levels. Goal 6. Fish populations. Goal 7. Shorelines and breakwaters. Goal 8. Watershed management.	5 6 6 7 8 8	4
Additional Goals and Actions Goal 9. Habitat and recreation zones. Goal 10. Recreational access and safety. Goals 11-13. Fish and wildlife population management. Goals 14-18. Information, education, and public involvement. Goal 19. Economic inventory. Goals 20-22. LPPRD organizational development.	1) 12 13 14 17	1
Implementation of this Plan Action Matrix (for annual work planning and budgeting)	20	20
Appendices 1. Lake Planning Grant Tasks and Timeline 11. Criteria for Writing Goals and Actions for the Plan 11. Explanation of the Alternatives Considered 12. Team Charter for Adaptive Management: Some Guidelines 23. V. Lake Puckaway: Past, Present, and Future Fact Sheet 24. VII. Fish Fact Sheet 25. VIII. The Princeton Dam Fact Sheet 26. VIII. The Princeton Dam Fact Sheet 27. Water Clarity: The Battle of the Plants Fact Sheet 28. X. Lake Puckaway User's Survey: 2001 Findings Report	21 22 23 28 *	21

^{*} If Appendices V_* – X_* are not attached, they are available on $\underline{www.lakepuckaway.com}$ or by request from the LPPRD Chair.

Final Version, June 5, 2004

Mission Statement - Our Purpose

The Mission of the Lake Puckaway Protection and Rehabilitation District is to:

- Protect and enhance the quality of Lake Puckaway's fish and wildlife values;
- Promote ecologically balanced water levels, water clarity, and shoreline habitat;
- Preserve the recreational and economic value of the resource for the enjoyment of its residents and visitors, now and into the future;
- Promote the history and proper management of the lake;
- Promote the education, research, and information sharing between organizations, individuals, government bodies and the general public for the protection, preservation and improvement of Lake Puckaway.

Vision Statement - Our Desired Future

A Vision Statement communicates how we would like things to be in the future. The Vision that will guide the implementation of this Comprehensive Plan is:

Lake Puckaway is a healthy shallow-water riverine lake with clear water; infrequent algal blooms; excellent habitat for plants and animals; great nature watching, fishing, and hunting; and boating access well suited to the lake's characteristics.

Community pride in the lake supports a healthy local economy and culture and a commitment to long term resource stewardship.

More specific aspects of this Vision and the way we would like things to be in the future are:

Place in the Community

- Lake Puckaway is recognized as one of the region's highest quality shallow lakes and is a source of pride to the residents and communities that surround it.
- Community pride in the lake supports property values and attracts residents and businesses and supports a healthy local economy.
- Those who live, work, or visit in the Lake Puckaway area understand the lake's ecology and enjoy the recreational uses that it serves.
- New growth and development occurs within a planned approach that protects the lake and sustains our urban and rural communities.

Water Quality

- Water clarity is excellent within the bounds of this nutrient-rich, shallow lake system.
- Algal blooms seldom occur.
- Turbidity due to wave action and shoreline erosion is reduced.

Fishing, Hunting, and Nature Observation

- Vigorous populations of sport fish such as walleye, northern pike, bass, and panfish provide great fishing opportunities.
- Successful migratory bird nesting and extensive late summer and fall habitat for adult and migrating birds of all kinds ensure excellent bird watching and waterfowl hunting.
- A variety of in-lake, wetland, shoreland, and adjacent wetland habitats support an
 impressive array of plants and animals that are important to a healthy environment and
 are enjoyed by people.

Education and Awareness

- Citizens of all ages and walks of life understand the lake's ecological and cultural history and the rationale for how it is managed.
- Citizens understand that fluctuating water levels are a component of the lake's natural
 condition as a riverine system and support a flexible water level management strategy
 based on monitoring of the lake's health.

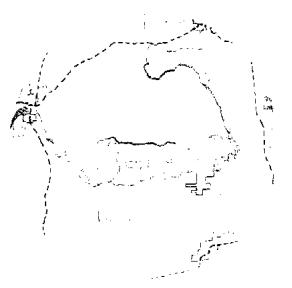
Lake District

- The LPPRD Board provides leadership to ensure effective coordination and communication among all individuals, groups, and agencies with an interest in the lake and its watershed.
- The LPPRD board, members, and partners advocate and assist in efforts to reduce nonpoint source pollution from upstream sources and the watershed.

Commitment to Adaptive Management and Flexibility for the Future

Puckaway is a shallow riverine take within the historic apper Fox River corridor and a prime example of Wisconsin's numerous shallow water lakes. The lake is a highly valued community and regional natural resource with many ecological, recreational, economic, and scenic values.

The Comprehensive Management Plan for Lake Puckaway has been a long time in coming, in large part due to the differences between the protection or restoration of the lake's health and the desired water levels for lake use. This plan represents a carefully crafted compromise between the range of perspectives that the Commissioners, lake district members and users, agency representatives, and others brought to the table (See Appendix III for an explanation of the alternatives considered for the vision statement and approaches to water level management). It establishes goals



Lake Puckaway within the upper Fox River Corridor, Wisconsin

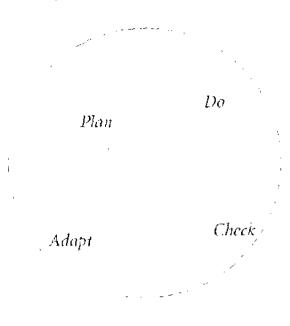
and actions to implement an Adaptive Management approach that incorporates the results of a new monitoring program into management action in order to adapt and learn over time.

The Adaptive Management approach represents a long-term lake district commitment to a monitoring and decision-making process for the routine evaluation of Lake Puckaway's health. An Adaptive Management Committee (see Goal 1) will oversee a science-based monitoring program, evaluate the condition of the lake, and make management recommendations to the LPPRD membership each year. The monitoring program will help set a new baseline for the lake's condition, and it will also allow comparisons of current to past conditions and of the lake to conditions in similar shallow water lakes elsewhere.

The management tools that will be considered for Lake Puckaway over the years will include the full range of methods and options that generally apply to shallow lake systems. These include monitoring (see below), integrated carp management, aquatic plant management, water level management, shoreline and breakwater development and maintenance, and watershed management.

What is Adaptive Management?

It's a way of planning, doing, monitoring, and improving over time.



No water level management reductions or drawdowns are scheduled at this time. The Adaptive Management approach includes the possibility of planned water level adjusts that would lower the lake level for a growing season to stimulate important aquatic plant and fish habitat and make improvements in water clarity.

Monitoring the Health of Lake Puckaway

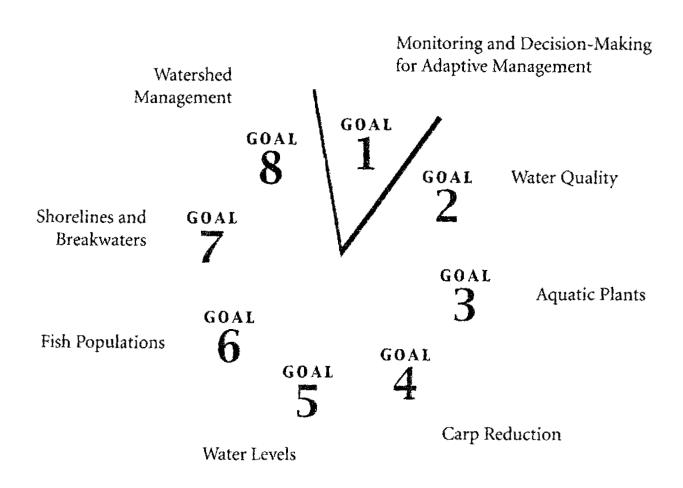
The Adaptive Management Committee will oversee a program to measure and report on the following indicators and use the results to make recommendations.

- Water quality e.g., chlorophyll, total phosphorus, clarity (Secchi)
- Quantity and quality of aquatic habitat—e.g., total area covered and relative abundance of species
- Depth contours map the lake bottom to model how different water levels affect depth and habitat
- Fish population surveys
- All existing qualitative and quantitative information from the past, in addition to the results of new monitoring

Priority Goals and Actions for Adaptive Management

Eight Key Goals for Lake Health

While all 22 goals in the plan are important, attention to these first 8 in combination will have the most effect on long-term lake health.



Monitoring and Decision-Making

Establish an Adaptive Management Committee to a) measure and report on the health of the lake and recommend actions for its protection and restoration and b) help foster an effective partnership between I.PPRD, WDNR, and others.

Timeline	Action:
Year 1	 Establish the Adaptive Management Committee [1] and direct it to: a. Adopt a Committee Charter [2] for Board approval that specifies how the Committee operates. The Charter should require that members commit to the Mission, Vision, and Goals of the Comprehensive Plan. b. Design and provide oversight for a science-based monitoring program for water quality, habitat quality and quantity, fisheries, water level, shoreline and breakwaters, and watershed management (See Goals 2 - 8 below). c. Compile and summarize all existing qualitative and quantitative baseline inventory information for water quality, habitat quantity and quality, depth contours, fish populations, and water levels. d. Recommend specific targets for take heath. Sample targets might be a specific range of water clarity (Secchi reading) measurements through the year or reestablished emergent plant coverage in selected locations.
Every year	 The Adaptive Management Committee will: a. Summarize and evaluate data from past and present monitoring and prepare annual status reports with management recommendations. b. Advise the LPPRD on the contracts awarded for monitoring activities. c. Advise the LPPRD on grants and funding the monitoring program (See Goal 21). d. Review, evaluate, and improve the Committee's effectiveness.

^[1] The Committee will be comprised of two LPPRD Commissioners, two DNR staff, and three lay persons, with staggered terms of appointment. The Committee may call upon other experts as needed for assistance. The LPPRD bylaws state committee members serve at the pleasure of the Chair and can be appointed or replaced at the time of the Annual Meeting each year. The Committee will make recommendations to the Board of Commissioners, who will present them to the membership at the LPPRD Annual Meeting for approval.

[2] See Appendix IV. Team Charter for Adaptive Management: Some Guidelines



Water Quality

Monitor, maintain, and improve water quality.

Timeline	Action:
Year 1 and	a. Analyze the current year's water quality measures, historical data and trends
ongoing	to support Adaptive Management (Goal 1).
	b. Implement the Expanded Self-Help Monitoring, to include measurement of
}	total phosphorus, chlorophyll, and water clarity/secchi disk.
	c. Contract with the U.S.G.S. for water quality monitoring of temperature,
<u> </u>	dissolved oxygen, total phosphorus, water clarity/secchi disk, chlorophyll,
}	pH, total nitrogen to estimate the nitrogen: phosphorus ratio.
	d. Set "targets" for desired water quality measures.

GOAL

Aquatic plants

Monitor, maintain, and improve healthy beds of native aquatic plants and coordinate the management of invasive non-native plants.

Timeline	Action:
Year I and ongoing	 a. Analyze the current year's plant monitoring data, historical data and trends to support Adaptive Management (Goal 1). b. Develop and implement an aquatic plant monitoring survey. Schedule both aerial and transect surveys. Monitor and map the locations and abundance of both native and invasive exotic plants. c. Evaluate the aquatic plant response to the current management strategy. d. Develop and implement aquatic plant restoration and management actions.
Year 2 and ongoing	Identify potential plant restoration areas and set lakewide targets for emergent, submergent, and floating leaf habitats.

GOAL

Carp Reduction

Integrate carp management as one component of a balanced strategy to improve water quality.

Timeline	Action:
Year 1	Continue to use LPPRD funds for annual carp removal (suggested target of 300,000-500,000 lbs/year). Operate the electric barrier at the Princeton Dam during the (specify months or guidelines).

Year 2 and ongoing	 a. Monitor the number of carp present by age group (year class) and select removal methods that effectively reduce the population. b. Set targets for carp removal each year based on the results of current data on population size and relative year class strength.
Year 3	Include an experimental or pilot approach to carp removal as one of several integrated lake improvement strategies. Consider doing a year class assessment at the time of carp removal, using a sample gear with smaller size mesh along side the commercial operation. Consider moving carp removal activities to the spring and provide the incentives needed to accomplish this. (Make sure that costly removal efforts are not just growing a harvest for the commercial catch and with little ecological effect).
Every year and ongoing	Advocate for statewide research to determine proactive strategies for long term carp management.

Water levels

Establish clear and consistent agreements between LPPRD and WDNR to operate and improve the Princeton Dam.

Timeline	Action:	
Year 1	a. While the monitoring and decision-making program to document lake healt is being established, operate the Princeton Dam under a 3-year interim agreement between the LPPRD and WDNR, basing water level management in part on the recommendations of the Adaptive Management Committee (Goal I).	
	b. WDNR re-initiates contact with the U.S. Army Corps of Engineers to inform them of progress being made towards ecological management and of the steps and timeline set forth in this Comprehensive Plan.	
Years 2-3 and ongoing as needed	a. As the Adaptive Management Committee is successfully implemented and effective ecological management is underway, WNDR will actively re-engage the U.S. Army Corps of Engineers to determine what repairs or modifications are needed to manage water levels at the Princeton Dam.	
	b. At the same time, WDNR and LPPRD will advocate to address issues of public safety and fish passage at the dam.	
Years 3-5	Design and implement the repairs or modifications to the Princeton Dam identified above.	
· ·	b. Negotiate a long-term agreement with the DNR for operation of the Princeton Dam.	



Fish Populations

Monitor fish populations to help measure the success of habitat protection and restoration and to determine the success of natural reproduction.

(Note: This goal applies to fish population surveys that help measure the health of the lake for the Adaptive Management Committee. All other fish and wildlife management actions are covered in Goals 11-13.)

Timeline	Action:
Year I	 a. Review and summarize results of past fisheries surveys on the lake for use in monitoring and assessment. b. Write letters of support as needed for a Comprehensive Fish Population
3,5 2	Survey to be included in WDNR's 2005-07 biennial budget and work plan.
Year 2 - 	Conduct a Comprehensive Fish Population Survey (including carp). See Goal 4 Compile a survey report, including a long-term summary to reveal trends, and make management recommendations.
Year 3 and	a. Conduct annual population surveys on selected species as needed.
опдоіпд	 b. Conduct Comprehensive Fish Population Surveys at intervals of 4 to 6 years. c. Compile summary reports and make management recommendations. d. Implement fisheries restoration projects, consistent with the aquatic plant habitat protection and restoration results, to enhance the number and size of areas for spawning and year class recruitment (Goal 11).

GOAL

Shorelines and Breakwaters

Develop and implement projects to protect in-lake areas from wind and wave erosion, prevent erosion on public and private shorelines, and provide information and incentives for shorelines to be protected all around the lake.

Timeline	Action:
Year l	 a. Outline a 10-year program to develop demonstration projects and incentives for private landowners to protect and restore upland, wetland, and aquatic shoreline habitats. Determine what regulatory permits are needed for each approach. b. Implement one shoreline/buffer demonstration project. c. Gather information on the alternatives and feasibility of erosion protection for shallow bays and the Fox River shoreline for future reference. d. Consider the feasibility of repairs and/or enhancements to the existing dredge spoil island.
Years 2-5	 a. Implement the 10-year plan through at least one new shoreline/buffer project per year. b. Consider the feasibility of other breakwaters, including on the east dredge bank.
Years 5-10	Evaluate the response of emergent plants to the new water level management strategy. If the response has been less than desired, consider the design of new in-lake breakwaters or other erosion control techniques.



Watershed Management¹

Support local, county, state, and federal policies and practices in the watershed that improve water quality in Lake Puckaway.

Actions (organized by Category, as illustrated in Figure 1).

Category 1: Direct Drainage Area and Shorelines on Lake Puckaway and the Fox River

- Identify and seek resources for implementing appraisals, Information & Education, and Best Management Practices (BMP)
- Develop Information & Education program buffers/restoration as topics
- Identify critical water quality/habitat areas for protection/restoration and prioritize
- Identify priority areas runoff management
- Implement shoreline and habitat restoration demonstration projects
- Integrate Puckaway Comprehensive Management Plan actions with Marquette and Green Lake County Land and Water Plans

Category 2: Lake Puckaway Sub-Watershed

- Appraise watershed and identify:
 - Critical areas of water quality functions for protection/restoration
 - Non-point sources and prioritize for BMPs
- Identify and seek resources for implementing appraisals and BMPs
- Implement BMPs

Category 3: Upper Fox River Watershed

- Support local, county, state and federal programs and practices where possible
- Advocate for lake management planning and practices for other lake systems in the watershed that affect Lake Puckaway (e.g., Buffalo Lake, Grand River Marsh, etc.)

Although the LPPRD is not a watershed organization, it has a vested interest in the success of programs that reduce runoff of storm water and its associated sediments and pollutants to the lake from urban and rural sources.

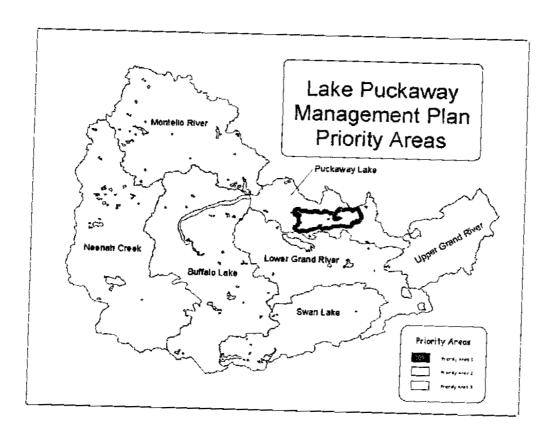
Figure 1. Categories for Watershed Protection Priorities for the Lake Puckaway Comprehensive Management Plan

(Map courtesy of the Green Lake Land and Water Conservation Department).

Priority Area 1: Direct Drainage Area and Shorelines on Lake Puckaway and the Fox River

Priority Area 2: Lake Puckaway Sub-Watershed

Priority Area 3: Upper Fox River Watershed



Additional Goals and Actions

The next fourteen goals follow the foundation of the commitments represented by the first eight goals above and are also extremely important in their own right.

Recreation (Goals 9 and 10). Various forms of recreation and access to Lake Puckaway from public boat landings and private properties are key to people's enjoyment of the lake. Goals 9 and 10 focus on ways to improve the lake's habitat and recreation zones and to improve access and safety during the open water season and during ice cover.

GOAL

Habitat and Recreation Zones

Use and improve the Habitat and Recreation Zone map (Figure 2) to guide lake users and lake managers in an integrated approach to habitat protection and recreational experience.

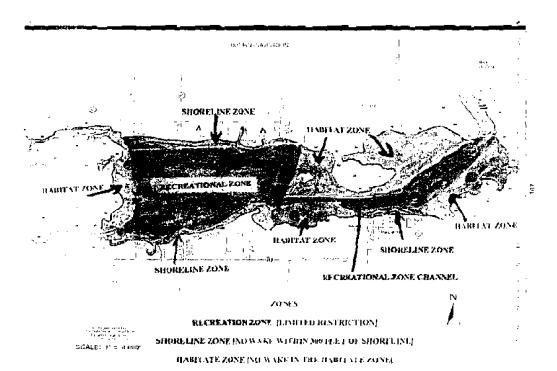


Figure 2. Habitat and Recreational Zones Map

Timeline	Action:
Each Year	Use the results of monitoring for water quality and aquatic plant habitats (see
	Goals 1, 2, 3) to improve the accuracy and effectiveness of the Habitat and
	Recreation Zone map.
Year l	Mark the zones as needed with buoys and continue to communicate and
	implement the existing zones as outlined in the map.
Year 2 and as	Survey the users' experience with the buoys and the zoning map to identify
needed	possible improvements.

Recreational Access and Safety

Develop and implement strategies to improve motorized and non-motorized boating access and safety.

Timeline	Action:				
Timeline Year 1	Identify areas for attention and study the feasibility of the following. Determine what regulatory permits are needed for each approach. Identify needed road and lake access improvements for implementation by local governments. Dredging navigation channels to access to deeper water from shore Adding buoys and channel markers throughout the lake as navigation aids Providing adequate depth at launch and staging area to launch and remove boats Installing and maintaining (early install – ice out, and late removal) a disabled accessible pier at all boat landings				
	 Providing maintained rest rooms at all Public Access areas Providing maintained garbage areas at all Public Access areas Providing safer boating navigation on the whole Puckaway System, for example: Channel markers from the end of Bird Island directly east to the mouth of the Fox River allowing safe powerboat navigation Install and maintain channel markers at all boat landings Instructing users on safe navigation for installation and removal 				
	of watercraft Review the comments on recreational use in the 2001 User Survey (Appendix X) and the results of feedback on the Draft Comprehensive Plan in April 2004 and propose solutions, including a system of voluntary guidelines that reduce user conflicts. Eliminate the dangerous roller wave behind the Princeton dam.				
Year 2	Prioritize the above actions and create a schedule for funding and implementing them over the next few years.				
Year 3 and ongoing	Follow the schedule for funding and implementing the above actions, and update the schedule as needed.				

Fish and Wildlife Population Management (Goals 11-13). The protection and restoration of the habitats that are essential to sustain fish and wildlife are thoroughly addressed in the priority goals for Adaptive Management (Goals 1 through 8), fish population surveys are included within these as Goal 6. The following goals cover additional management needs for specific fish and wildlife populations in and around the lake. Public comments indicated that many citizens were not as supportive of Goals 12 and 13 compared to the other goals proposed in the draft plan. Thus, until there is more understanding of the issues, these might be considered the lowest priority goals in the plan.

GOAL

Fish Management Actions

Set priorities and implement fish management actions to benefit the sport fishery.

Timeline	Action:			
Every year	Continue to stock walleye and northern pike fry at historic levels. Consider stocking other species if monitoring results demonstrate that natural reproduction is low.			
Every year	Implement goals and actions for carp control (Goal 4)			
Year 3 and Implement modified size and bag limits in response to changes in fish ongoing populations.				
Years 3-5	Construct a fishway at Princeton Dam to promote upstream movement and improve recruitment of walleye, northern pike, sturgeon, catfish and white bass into Lake Puckaway and the river above (Goal 5)			



Wildlife Population Surveys

Monitor selected wildlife species to help measure the success of habitat protection and restoration and to establish additional management recommendations.

Timeline	Action:
Year 2 and	Support the DNR in implementing the annual frog and toad surveys by county
ongoing	(State of the Upper Fox River Basin, page 31,
	www.dnr.state.wi.us/org/gmu/upfox) to follow population trends from year to
i	year in and around Lake Puckaway.
Year 2 and	Explore the feasibility of partnerships with ornithological, herpetological, or
ongoing	other societies to establish survey schedules for:
	• Frogs, Turtles
	Birds - songbirds, shorebirds, eagles, etc.
Year 2 and	Integrate the results of wildlife surveys into the improvement of the Habitat and
ongoing	Recreation Zones map (Goal 9).



Common Terns

Manage the common tern habitat area on a portion of the dredge bank island.

Timeline	Action:				
Year 1	Write a letter of support for the common tern project to the WDNR Bureau of Endangered Resources.				
Year 1	Design and seek funding for a simple structure to be erected above the high water mark on the island, filled with rock, and top-dressed with sand and gravel.				
Yeur 2 and ongoing	Build the structure and note its success in fledging young.				

Information, Education, and Public Involvement (Goals 14-18). The public review process for this Comprehensive Plan identified a very strong desire for improvements in communication between the LPPRD Board and its members, and the general public. Goals 14-18 presented here are an essential aspect of plan implementation and success. The development of specific actions, assignments, and timelines to accomplish these goals is of extremely high priority.



Outreach Messages

Develop and routinely update "key messages" to implement LPPRD outreach goals and help:

- foster understanding and pride in the shallow lake system
- communicate current management policies and practices
- invite public participation in Lake District issues and activities
- address public expectations for recreation and navigation



Outreach Schedule

Establish and implement a routine schedule to inform the public and increase the visibility of LPPRD and promote the Puckaway area as a tourism destination and a rural residential area.

Actions:

- Web site
- Kiosks
- Newsletters
- **Brochures**

- Curriculum materials for schools
- News releases
- Public library



Volunteer Activities

Establish and implement a range of activities to engage the public in hands-on projects, increase visibility of LPPRD, and recruit new volunteers and leaders.

Actions:

- Events
- Workshops
- Work days
- Informal coffees or "get to know us" activities
- Volunteer tasks (one-time, committee, program work, and organizational work)
- Lake Puckaway/Fox River clean up project



Shoreline Demonstration

Develop shoreline demonstration projects and provide incentives for private property owners to protect shorelines. (See Goal 7)



Public Review

Provide opportunities for the public to learn about the Adaptive Management Committee's recommendations (Goal 1), provide feedback on the overall implementation of this Comprehensive Management Plan, and for Lake District members to vote at Annual Meetings.

Economic Inventory (Goal 19). In addition to the ecological inventory that is at the core of this Comprehensive Plan to protect the health of Lake Puckaway (see Goal 1), LPPRD Commissioners and members are interested in maintaining an inventory of the economic indicators as measures of community health. This would include, but not be limited to, information on demographics, employment, property values, taxes, public works, and tourism. This information will help guide the ongoing implementation of this plan.



Economic Inventory

Collect and summarize information on local and regional economic health and make recommendations that help support the Mission and Vision of this Comprehensive Plan.

Actions:

Study the past, present, and future influences of Lake Puckaway on the economy
of the Lake District and communities of Montello, Princeton, Markesan,
Kingston, Dalton, and Marquette.

Final Version, June 5, 2004

- Summarize economic inventory information for posting on the kiosks, fact sheets, etc.
- Identify and evaluate the economic benefits to businesses, communities and residents of a healthy lake ecosystem as defined by the Vision.
- Provide relevant information to support the work of the Adaptive Management Committee (Goal 1).
- Provide information to support lake district boundary and membership expansions (Goal 22).

LPPRD Organizational Development (Goals 20-22). In order to implement this ambitious Comprehensive Management Plan for Lake Puckaway, the structure and function of the Board of Commissioners must be supported. A Board assessment (Goal 20) will help gain perspective on LPPRD developmental needs and challenges, prioritize them, develop a plan of action, and measure their progress. Although more specific goals will grow out of this assessment, Goals 21 and 22 immediately address the funding issues presented by the implementation of this plan.



Board Development

Prepare the LPPRD Board to fully implement the Comprehensive Plan for Lake Puckaway.

Timeline	Action:			
Year I	Conduct an assessment of Board structure and function to establish and			
	implement priority goals ands actions for the following areas.			
	- Vision and Planning			
	- Campaigns and Projects			
	- Fund-raising and Resources			
	- Budgeting and Accounting			
	- Governing Board			
	- Members and Volunteers			
	- Membership and Leader Development			
	- Public Communications and Partnerships			
	- Staffing			
Year 2 and	Review the previous assessment and set new goals and actions for continuous			
every year	improvement			
thereafter				

Fund Development

Secure short- and long-term funds to implement this Comprehensive Plan.

Timeline	Action:
Year l	Identify funds and resources needed to initiate implementation of this
l	Comprehensive Plan
Year I	 Submit Lake Planning Grant applications by August 1, 2004 to start the highest priority activities in Years 1 and 2.
	 Submit a Lake Protection Grant proposal by May 1, 2005 to fully support the development of the Adaptive Management approach.
Year 1	Create and begin to implement a Fund Development Plan to cover activities not eligible for Lake Protection Grant funding and/or to eventually replace Lake Protection Grant Funding.
Years 2 and	Continue to improve and implement the Fund Development Plan.
ongoing	<u> </u>



Lake District Boundaries

Increase the lake district boundaries and voluntary attachments so that the District represents and is funded by a greater proportion of those who benefit from its services.

Actions:

- Expand the lake district from its present boundaries to include the Fox River frontage property owners to the Princeton Dam and west to the town of Montello.
- Mail voluntary attachment petitions to encourage the village of Marquette nonmember property owners to voluntarily attach to the District.

Implementation of this Plan

Action Matrix

To be completed annually, along with annual evaluation and improvement, for work planning and budgeting. Setting Priorities among what is often a very long wish list of potential goals and actions is an essential part of planning. Once this Comprehensive Plan is approved and once every year thereafter, it is important to select those goals and actions that you will be able to move forward. Utilize the Action Matrix below for your work. As these priorities are set, it is important to identify the individuals who will provide leadership for each task, the resources needed, and the measurable results expected.

Year:						
Goal #/Action		Leader(s)	Assisted by	Resources required	Communication needs	
Tasks to do	By when		 	\ <u></u>	 	
, 						
) 	
	- 			<u>-</u>		
	_			 		
				 		
				}		
					,	
- 						