

APPENDIX D

OTHER SIGNIFICANT RECREATIONAL FACILITIES

FOR PUBLIC REVIEW



[DNR](#) / [WILDLIFE & HABITAT](#) / [WORKING FOR WILDLIFE](#)

Rose Lake State Wildlife Area

Goal: *The DNR Wildlife Division is committed to improving nearly 450 acres of grassland habitat at the Rose Lake State Wildlife Area to benefit pheasants and a variety of other wildlife species. Long-term goal: to improve the quality of habitat for numerous wildlife species while improving pheasant hunting opportunities for mid-Michigan hunters.*

Declining pheasant populations and low oak regeneration in the Rose Lake State Wildlife Area are issues the Michigan DNR is working to tackle with active habitat management. While these issues are typically handled with different habitat treatment techniques, the DNR is trying to address both issues with one fairly unique project.

The Rose Lake State Wildlife Area (SWA) falls within the core zone for the Michigan Pheasant Restoration Initiative (MPRI). The DNR, along with partners, will be improving roughly 450 acres of grassland habitat over the next several years for pheasants and other associated wildlife. The Rose Lake SWA also has roughly 400 acres of oak woodlots throughout the area. Due to a variety of factors that include invasive species encroachment, over-browsing by deer, and lack of active timber harvest over the last several decades, none of the oak woodlots at Rose Lake SWA are younger than 40 years old. In order to perpetuate oak on the landscape for generations, active timber management has to occur.

Likewise, without active management, much of the quality grassland habitat at Rose Lake SWA has become overgrown with shrubs and trees. To improve the quality of nesting, brood rearing, and winter cover, nearly 450 acres of the Rose Lake SWA will be managed to meet the needs of pheasants, grassland birds, and other wildlife.



In an attempt to accomplish both important goals of oak regeneration and quality grassland habitat, the DNR is conducting a timber sale at the Rose Lake SWA. This sale was bid out to prospective timber companies with one of the objectives being to thin two oak woodlots and improve conditions for oak saplings to develop. The other objective is to clear old fields and fencerows of trees and brush in order to prep the areas for future work. Once the old fields are cleared, the DNR and partners will work to restore those areas to quality grassland habitat over the next several years. Both projects are expected to improve the area for a variety of species of wildlife.



Rose Lake State Wildlife Area Habitat Management

Contact: Rose Lake DNR Operation Service Center
8562 East Stoll Road
East Lansing, MI 48823 (517) 641-4903

4,005 acres in Clinton and
Shiawassee Counties
[Link to area map](#)

This area is being managed for the features species listed below and may include the following habitat management practices:

Cottontail Rabbit:

- Maintaining grasslands: Burning, disking, mowing, applying herbicides, and haying.
- Planting shrubs and encouraging the growth of brush.
- Constructing brush piles.
- Providing steady supply of young forests through short rotation of timber harvests.

Eastern Massasauga Rattlesnake:

- Removing woody and shrubby vegetation from occupied wetlands: cutting saplings & shrubs, applying herbicides, and prescribed burning
- Maintaining grasslands and upland openings adjacent to occupied sites: mowing, prescribed burning, applying herbicides.
- Controlling glossy buckthorn: cutting, applying herbicides, and prescribed burning.

Eastern Wild Turkey:

- Providing roosting sites: retaining mature trees when harvesting timber.
- Establishing brush through timber harvesting practices.
- Planting food plots.
- Maintaining grasslands and forest openings: planting, applying herbicides, mowing, disking, fertilizing, haying, and prescribed burning.
- Maintaining hard mast (beech, oak) and soft mast (cherry, crabapples): allowing forests to mature, retaining mast-producing trees when harvesting timber.

Ring-necked Pheasant:

- Maintaining a diversity of large, permanent grassland vegetation: prescribed burning, mowing, applying herbicides, planting, disking, haying, bulldozing, and blade raking.
- Planting food plots: legumes, millet, sorghum, and sunflowers.
- Establishing escape and winter cover: harvesting timber and saplings to promote brush and planting switchgrass.
- Providing management incentives and technical assistance for nearby private lands.

Ruffed Grouse:

- Preserving brush, slash, and drumming logs during timber harvests.
- Maintaining forested stands, especially aspen, with diverse age classes by clear cutting adjacent stands on a 10 to 20 year rotation.
- Seeding log landings and access trails with clover.
- Maintaining a young, deciduous component in lowland and riparian stands.

White-tailed Deer:

- Maintaining and facilitating hunting opportunities on state land by planting: annual food plots, fruit-bearing trees, legumes, clover, rye, and pea/Sudan grass mixtures.

- Maintaining trees that produce hard mast (beech, oak): maintaining an oak component, promoting the regeneration of oak, and retaining a representation of mature acorn producing trees during harvests.
- Maintaining abundant browse by managing for young forests (particularly aspen and jack pine): performing clear cuts and rotational harvests of timber.
- Maintaining and expanding thermal cover in high snow areas by selecting for conifers, particularly the white cedar, and hemlock component.
- Maintaining grasslands for food and cover: planting, fertilizing, disking, mowing, haying, applying herbicides, and prescribed burning.

Wood Duck:

- Maintaining forests in floodplains and lowlands and within 150 feet of wetland edge: single tree and group-selection timber harvests.
- Maintaining trees, shrubs, and emergent vegetation in wetlands.
- Maintaining the oak component near wetlands, lakes and rivers: promoting the regeneration of oak, and retaining a representation of mature acorn producing trees during harvests.
- Reserving large, dead, dying, and cavity bearing trees during timber harvests within a mile of wetlands, lakes, and rivers.
- Partnering with volunteers to build, install and maintain wood duck nest boxes.
- Controlling glossy buckthorn and phragmites: cutting, applying herbicides, and prescribed burning.
- Maintaining flooded marshes and swamps by maintaining water control structures and dikes: mowing, applying herbicides, removing brush, repairing chipped concrete and rodent burrows, replacing guard rails over dams, routine inspections of all structures, and removing debris.



ROSE LAKE STATE WILDLIFE AREA - SPECIAL USE AND HUNTING RULES

All other applicable State Land Use Rules and Regulations apply, unless modified by the text below. To review the standard "Wildlife & Game Area – State Land Rules" (document IC 2598), see the back of most State Game/Wildlife Area maps (except those with Special Use and Hunting Rules). Area maps, rules and regulations, and additional information on this and other areas are available at DNR Offices online at: www.michigan.gov/dnr.

NOTE: It is your responsibility as a user of public lands, to ensure you are informed of all current rules and regulations relevant to your activities. The information presented here represents some details relevant to land use, but this is not a complete list of all rules and regulations, and may not be as immediately updated as current legislation and rules. This product is not a legal notice, nor a complete collection of hunting regulations and laws. It is a condensed tool issued for convenience on this specific subject. Contact your local DNR office if you have questions, or to verify regulations relating to possible activities before engaging in those activities. The DNR is on the internet at www.michigan.gov/dnr.

If you have questions or comments about the area or its management, please contact the

Rose Lake Wildlife Area Office, at address 8562 East Stoll Road, East Lansing, MI 48823, and at phone (517) 641-4903.

Office Hours: weekdays only, 8:00 a.m. to 12:00 noon, and 1:00 p.m. to 5:00 p.m.

General Information: Located about 12 miles northeast of Lansing, just north of M-78 and I-69 (exit 94), this area is close to Lansing and East-Lansing areas.

This area is supported entirely by hunting license fees and an 11% Federal excise tax (Pittman-Robertson Act) on sporting firearms, ammunition, and archery equipment. Wildlife research has been a past primary use and may continue in some specific areas; however, hunting and other recreational uses are both allowed and promoted. The area offers many outdoor opportunities, a diversity of landscape types, and a variety of options throughout all Michigan's seasons.

Land Description: 4,140 acres of moderately rolling farmland, abandoned fields, oak and lowland woods, and marsh. The area includes several special features, like: wildlife management features (ponds, floodings, brush piles, food patches, trees and shrub plantings), soil conservation practices, wildlife research, rifle and skeet ranges, and more. Please do not tamper with any research equipment or markers you may encounter; please insure you read all signs and posted information for any special rules. The area offers popular options for outdoor educational features, such as being available as a biological study area for high school and university classes; contact the office for details or *Go-Get-Outdoors* ideas.

Wear Blaze Orange Clothing: Most hunters with firearms are required by law to wear a vest, jacket, or cap of a highly visible "blaze orange" color as per State rules. Although not required by law, non-hunters are strongly encouraged to wear blaze orange clothing when afield during hunting seasons (generally Sept.15 - March 31).

Rifle/Archery/Skeet Range in the area: Rifles, handguns, shotguns and bows are permitted. More information is available by calling the office or online off the DNR website under the section on shooting ranges. The parking lot and shooting range are wheelchair accessible. There are many shooting stations for supporting public use capacity and variety of use.

Rules and Regulations: in addition to "General Land Rules (R 299.922) and "state game area" rules (R299.926) provided online off the DNR website at www.michigan.gov/dnr/laws, on the "standard back" of many game/wildlife area maps, or at the headquarters - - at the Rose Lake Wildlife Area:

- (R 299.928) Rose lake wildlife area; **unlawful use of skis**; area defined. *Rule 28.* (1.) In addition to the unlawful acts specified in R 299.922 and R 299.926, on the rose lake wildlife area, it is unlawful for a person to use skis from November 1 through January 1. (2.) For the purpose of this rule, "rose lake wildlife area" means the state-owned lands and waters in sections 13, 14, 21, 22, 23, 24, 25, 26, 27, and 34 of T5N, R1W, and sections 17, 20, 21, 22, 28, and 29 of T5N, R1E.
- The Director of the Department of Natural Resources may restrict or prohibit activities in designated portions of the area when required for special situations or research purposes. If such occurs, then appropriate signs will be posted; be aware of signs. If in doubt, contact the office (phone number is listed above).

Reminders: - **The area offers a mix of recreational activities, as discussed above, so you may encounter both hunters and non-hunters.**

- It is unlawful to intentionally interfere in any manner with the lawful hunting, pursuing, or taking of wild birds or wild animals by another person.
- Other Rules and Regulations for this wildlife/game area may be posted in the area; look for additional signs or notices to insure you have a safe hunt / use.

If you have any questions on your proposed activities, contact the area office before doing the activity. Contact details are listed above.

CAUTION: Use care near all open water areas; some of these areas may contain deep water, depending on season and recent rainfall.

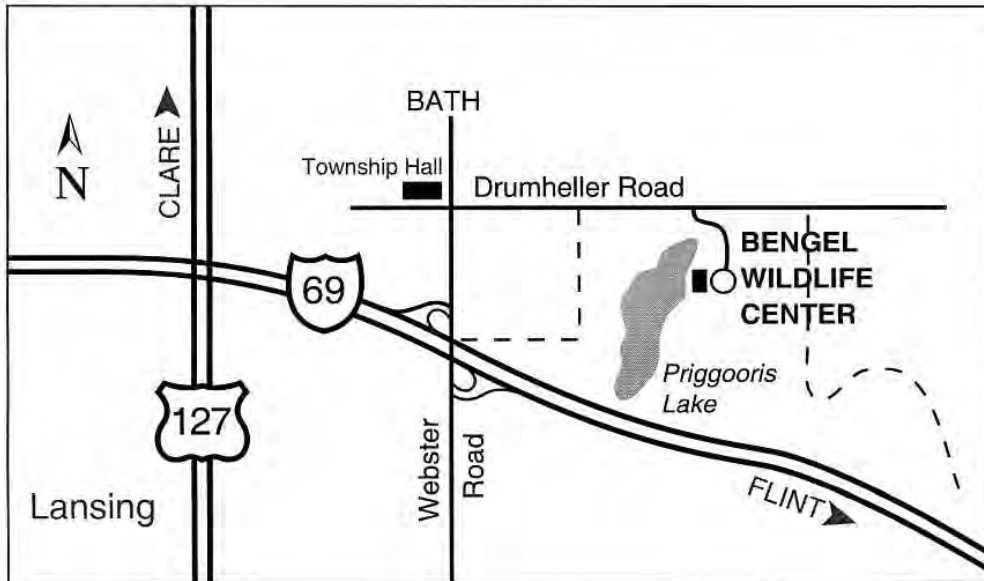
BE A SAFE HUNTER / USER - A safe user obeys laws governing hunting and boating, and is alert to any conditions hazardous the personal safety of themselves and others.

(Rev. 6/7/2012 - WLD/MLS)

DNR NONDISCRIMINATION STATEMENT The Michigan Department of Natural Resources (MDNR) provides equal opportunities for employment and access to Michigan's natural resources. Both State and Federal laws prohibit discrimination on the basis of race, color, national origin, religion, disability, age, sex, height, weight or marital status under the Civil Rights Acts of 1964 as amended (MI PA 453 and MI PA 220, Title V of the Rehabilitation Act of 1973 as amended, and the Americans with Disabilities Act). If you believe that you have been discriminated against in any program, activity, or facility, or if you desire additional information, please write the MDNR, Human Resources, P.O. Box 30028, Lansing, MI 48909-7528, or the Michigan Department of Civil Rights, State of Michigan Plaza Building, 1200 6th Street, Detroit, MI 48226, or the Office for Diversity and Civil Rights, U.S. Fish and Wildlife Service, 4040 North Fairfax Drive, Arlington, VA 22203. For information or assistance on this publication, or for information about other State land areas, contact: MDNR, Wildlife Division, P.O. Box 30444, Lansing, MI 48909-7944, -or- through the internet at "www.michigan.gov/dnr". TTY/TTD (teletype): Michigan Relay Center 1-800-649-3777. This publication is available in alternative formats upon request.

Bengel Wildlife Center

6380 Drumheller Road
Bath, Michigan



**Michigan Wildlife
Conservancy**

The Bengal Wildlife Center is located off I-69 northeast of Lansing. Take Exit 92 (Bath/Webster Rd) off I-69 and head north approximately ½ mile to Drumheller Road turn east (right) and go approximately ½ mile to our entrance on the right.

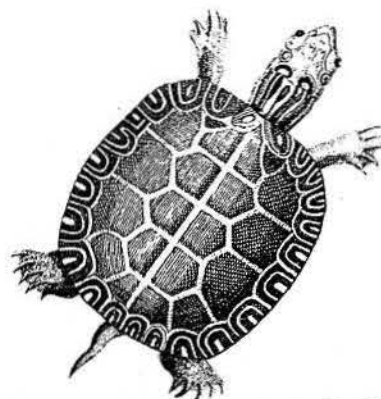
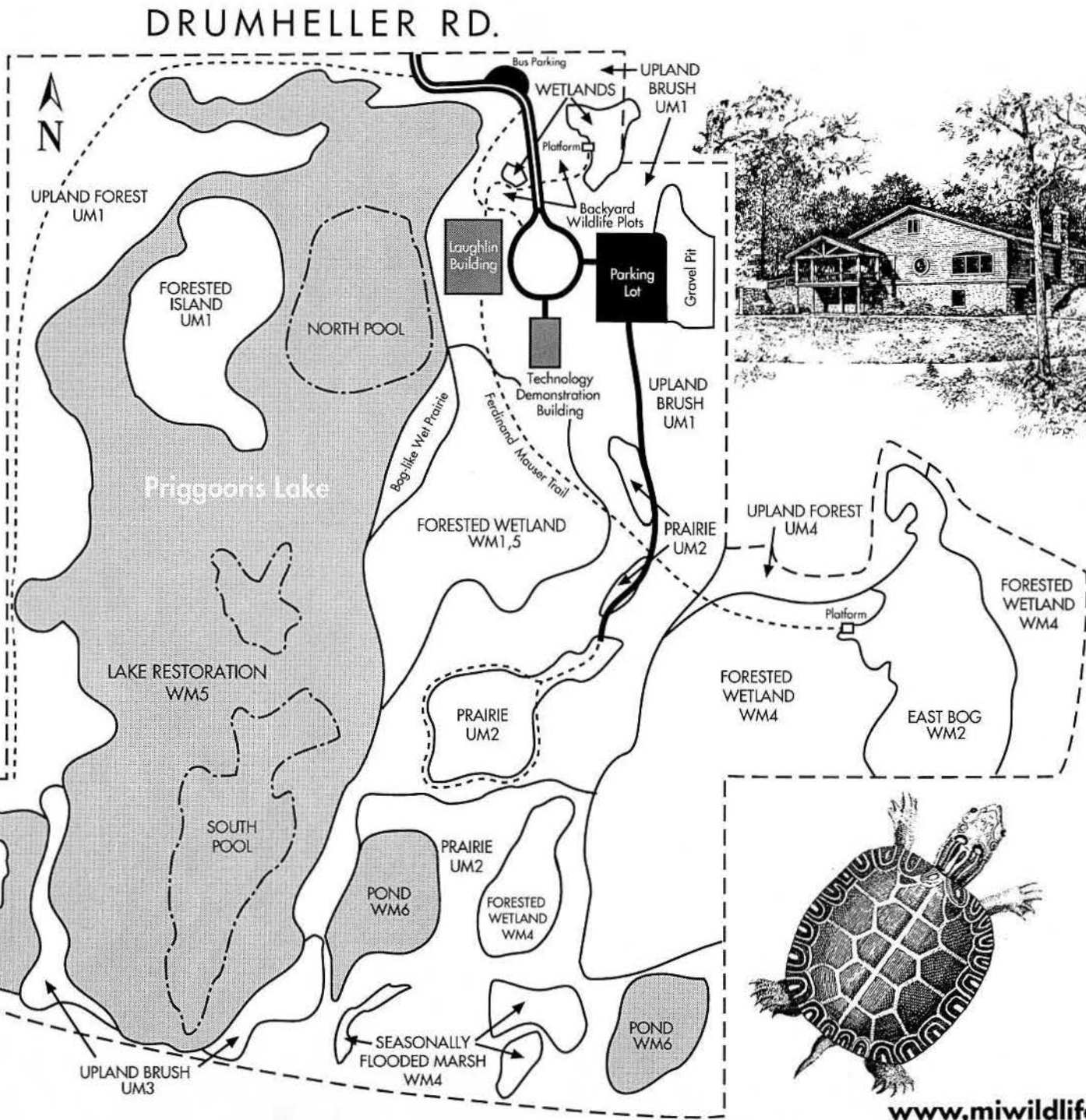
(517) 641-7677
www.miwildlife.org

Bengel Wildlife Center

Habitat at the Bengal Wildlife Center is divided into two types of management areas: wetland and upland. Each management area is outlined on the map. The numbers following the wetland (WM) or upland (UM) management designation indicate techniques that will be used on that area.

WM - Wetland Management Area
UM - Upland Management Area

- 1 Brush clearing and/or limited timber management
- 2 Prescribed burning and brush clearing
- 3 Reserved as possible borrow area for lake restoration project
- 4 No active management or use planned
- 5 Water level control and/or excavation
- 6 Fisheries management including fish population control



Michigan Wildlife Conservancy

www.miwildlife.org

Harmony with nature

The Mauser Harmony with Nature Foundation was founded in 1998 to honor Ferdinand Mauser, professor of marketing and promoter of products harmonious with nature. Bill and Rose Cook of Livonia established the foundation in memory of Mauser, who was their friend and mentor. Bill explained the name of the foundation, "The 'harmony with nature' comes from his interest in products that were safe for the environment. He wrote that we should be more cognizant of making products that were in harmony with nature." Mauser had discussions with the Cooks about the foundation before his death, but it was not officially created until after his death.

The Mauser Harmony with Nature Foundation made a gift of \$25,000 to the Conservancy to construct a trail at the Bengel Wildlife Center. The trail runs from the gazebo outside the Laughlin Building to the edge of the bog and allows for viewing and interpretation of the bog without causing environmental damage. The trail is open to the public whenever the Bengel Wildlife Center is open. The Cooks chose to invest in the trail at the Bengel Wildlife Center in Dr. Mauser's memory because Mauser had always loved the land, and they were impressed with the work of the Conservancy and the educational programs at the Bengel Wildlife Center. That was a natural connection. According to Bill Cook, "We connected the dots."

Mauser had a colorful career. Born in 1914 in Chicago, he received most of his education in the US, but obtained his doctorate from the University of Munich in Germany. He served in the US Army in the Philippines during WWII. He taught for many years in the Marketing Department at Wayne State University, wrote several textbooks, and promoted products that were environmentally friendly.

At the age of 60, he took a bold step and accepted a teaching position at Keio University, Japan's leading business school. "He was the type of person who made you feel you could accomplish anything you wanted in your life. Bill and I had the utmost respect for him. He was such an educated, Renaissance man," said Rose.

While you are walking the Ferdinand Mauser Trail today please give thought to how you might make a personal Commitment to the environment. It is the responsibility of each of us to find ways to make our environment more sustainable for future generations. Small personal commitments can change a community, or a nation. Let's make the world a better place, in harmony with nature.

Bengel Wildlife Center – Building hours – 8:00 a.m. – 5:00 p.m. – Mon – Fri
Trail hours – Jan. 3 – Sept. 30: Dawn – Dusk
Oct. 1 – Jan. 2: 9:30 a.m. – 3:00 p.m.

Rules for Use of the Bengel Wildlife Center

1. Foot traffic only on trails.
2. When the gate is locked park outside the gate and walk in.
3. When the gate is open park on the asphalt in front of the pole building.
4. No picking or removing of plants or animals is allowed.
5. Dogs are allowed but must be on a leash.