



ENVIRONMENTAL STEWARDSHIP GUIDE





This guide highlights the efforts of many Radrick stakeholders including the University of Michigan community, our various partners, our gracious benefactors, and our dedicated staff.

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All photographs provided by Radrick staff.

ENVIRONMENTAL PROGRAMS

Audubon Cooperative Sanctuary Program for Golf Courses

ACSP for golf courses is an award winning education and certification program that helps golf courses protect our environment and preserve the natural heritage of the game of golf. The ACSP for golf courses has six key environmental areas that are relevant to golf course management: Environmental Planning, Wildlife & Habitat Management, Chemical Use Reduction & Safety, Water Conservation, Water Quality Management and Outreach & Education.
www.acspgolf.auduboninternational.org/



Groundwater Guardian Green Site

The (GG) Green Site program was developed to recognize good stewards of groundwater by encouraging managers and superintendents of highly-managed green spaces to implement, measure, and document their groundwater-friendly practices. The program will document current practices related to pesticide and fertilizer use, water use, pollution prevention, water quality, and environmental stewardship.
www.groundwater.org/gg/greensites.html

Michigan Turfgrass Environmental Stewardship Program

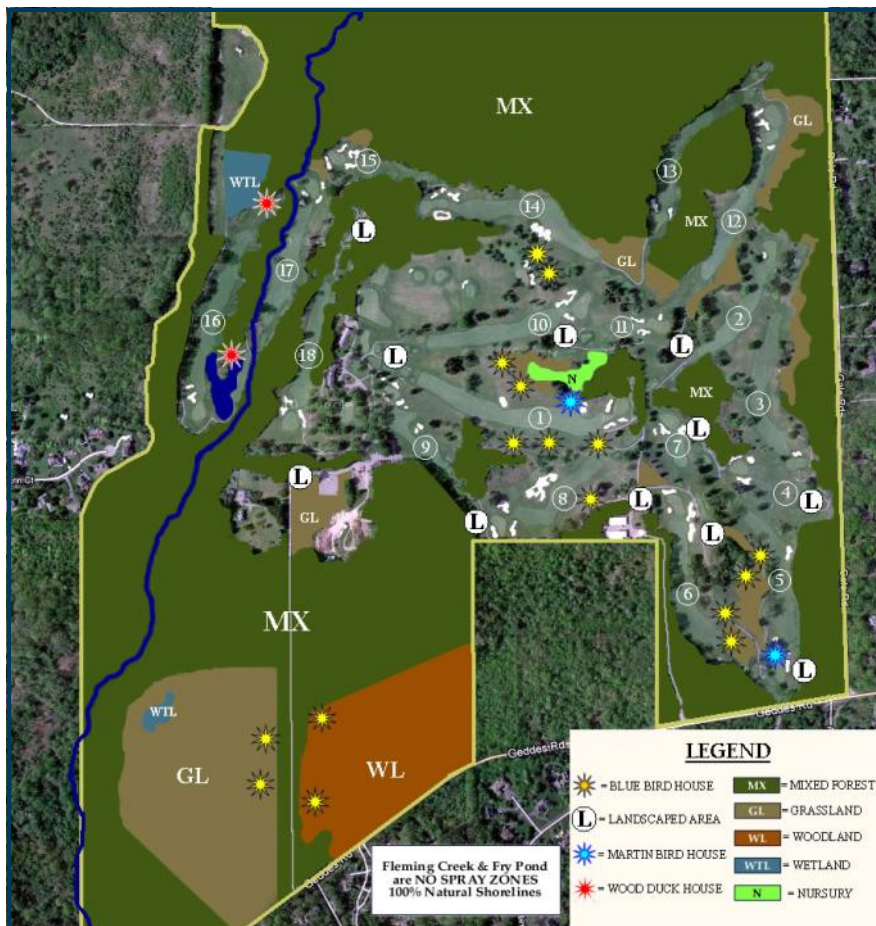
The MTESP is intended to organize efforts of the turfgrass industry, state agencies, Michigan State University (MSU), and environmental advocacy groups to advance the environmental stewardship of the turfgrass industry and to recognize environmental achievements. The program was developed at MSU with support from the Michigan Turfgrass Foundation, Golf Association of Michigan, Michigan Department of Environmental Quality and Michigan Department of Agriculture.
www.mtesp.org/



Community Partners for Clean Streams

The (CPCS) is a voluntary, cooperative effort between the Washtenaw County Water Resources Commissioner's Office and Washtenaw County businesses, institutional landowners and multi-family residential complexes. The goal of the program is to help identify practical, cost effective ways to protect Washtenaw County waterways through pollution prevention.
www.ewashtenaw.org/cpcs

Radrick Farms Acreage



Acreage Detail

Total Acreage: 275 Acres

Turf maintained for golf : 109 Acres.

Gardens & Landscapes : 0.1 Acres.

Fry Pond & Fleming Creek : 1.6 Acres.

100% of Shoreline is naturalized.

Mixed Forest: 100 Acres

Woodland: 20 Acres

Grassland: 30 Acres

Freshwater Wetland: 9 Acres

Buildings, Roads, Parking Lots, etc: 5 Acres

Bird Houses have been mounted for Purple Martins, Blue-birds, and Wood Ducks.



NATURALIZED AREAS & SHORELINES



Naturalized areas on the golf course provide food sources, security, corridors, and living space for wildlife. These areas need continuous maintenance to provide the best possible habitat for wildlife. Invasive species, such as Canada Thistle, Buckthorn and Purple Loosestrife must be controlled. Some methods of control include: burning, herbicide applications, mechanical and hand removal.

Naturalized shorelines, or buffer zones, are maintained around Fry Pond and Fleming Creek. These areas add habitat for wildlife and serve as a buffer for any potential contaminants (i.e. fertilizers, pesticides, road salts) before they reach the water surface.

GOLF COURSE SIGNAGE



Caution Wildlife

The first sign on the property informs our customers and visitors that a variety of wildlife is present on the property and stresses caution while driving along our half-mile private drive. Please travel slowly down the road and in our golf carts on the course.

Stop Sign

Please stop at the sign located in the main entrance to Radrick Farms Golf Course. This sign marks a corridor that many animals use to cross the road.

Eastern Massasauga Rattlesnake

Holes 15 through 17 are a great habitat for the Eastern Massasauga Rattlesnake, a threatened species that will defend itself. Please use caution in these areas.



Recycle, Return, Trash

According to the U of M's Department of Waste Management, Radrick Farms has been able to recycle 58% of our waste annually (95% above University average).

Naturalized Shoreline

A 3'x4' sign increases golfer awareness of staff efforts to keep the waters of Radrick Farms clean and create natural habitat for wildlife.



Natural Area

Please keep all carts out of these areas. Traffic could destroy food sources as well as nesting habitats for certain species.

Water Quality & Conservation

Water quality and conservation are important components of healthy turfgrass.

Water Quality

The quality of water used for golf course irrigation is an essential element of growing healthy turf. Fry Pond and Fleming Creek are used as the water source for the golf course's irrigation system. These waters are tested twice a year for nitrates, pH, temperature and salinity.



Water Conservation

Evapotranspiration (ET) rates are used as a guide to determine the turf's water needs. The ET rate is entered into a computerized irrigation system to calculate the amount of water to be applied to the course.

Moisture Meters are used throughout the day during the golf season to detect moisture levels in the soil. They help determine the precise amount of water needed for targeted, sight-specific applications.

These methods greatly increase the efficiency of water use and plant health.

Integrated Pest Management (IPM)

IPM programs use best practices to optimize growing conditions while managing pests with the least possible impact on people, property, and the environment.



A total management system using suitable techniques and resources includes computerized irrigation, topdressing, aerating, vertical mowing, precise pesticide application, brushing, rolling, scouting, and fertility testing.



Using an IPM approach is mutually beneficial to our customers, our operation, and the environment.



Wildlife Inventory Summary

In an ongoing effort to track wildlife, our season pass holders have identified the following wildlife on the property. Please assist in this process by letting the golf shop know whenever you see wildlife at Radrick.

Mammals:

White-tail deer	Coyote	Raccoon	Skunk
Star-nosed Mole	Woodchuck	Muskrat	Chipmunk
Squirrel	Field Mouse		

Fish:

Largemouth Bass	
Smallmouth Bass	Chub
Blue Gill	Sunfish

Reptiles:

Box Turtle
Painted Turtle
Snapping Turtle
Eastern Massasauga Rattlesnake



Birds:

Ring-Necked Pheasant	Bald Eagle
Canada Goose	Wild Turkey
Turkey Vulture	Mallard Duck
Red-Winged Blackbird	American Robin
Bluebird	Purple Martin
Cardinal	Baltimore Oriole
Hummingbird	Barn Swallow
Red-Bellied Woodpecker	Blue Heron
Red Tailed Hawk	Wood Duck
	Blue Jay

Community Outreach

Season pass holders have also helped by making a conscious effort in maintaining environmental quality by reducing waste and practically eliminating litter from the property.

Radrick Farms Golf Course could not be “The Hidden Gem” that it is without the help from others in the community as well. For example, the Dundee Chapter of the Future Farmers of America (FFA) has helped to mount 30 bluebird nest boxes. The FFA will continue to assess and evaluate the placement of these boxes and their habitants.

We have also partnered with Matthaei Botanical Gardens regarding research and the care of naturalized areas, wildlife, and forests.



From the inception of Radrick Farms, consideration of the environment has been a priority. Multiple programs and activities have been implemented and developed culminating in Environmental Stewardship certifications.

With your help and support, these efforts will continue to be rewarding for all stakeholders.



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