



Refuge Reporter

Happenings at Shiawassee National Wildlife Refuge

Volume 8, Issue 1

Friends and Volunteers

By Ed DeVries, Acting Refuge Manager

Recently, Becky and I attended a U.S. Fish & Wildlife Service meeting at the Jordan River National Fish Hatchery (NFH). This fish hatchery is located near Elmira, MI in the beautiful Jordan River Valley just west of Gaylord. The hatchery raises lake trout from the egg stage to fingerling size for release in the Great Lakes. The hatchery has a small visitor reception area which welcomes people to tour their operation. It's an interesting, educational place to visit, and it's only a two hour drive from Saginaw.

What's that got to do with us? Well, the Jordan River NFH is attempting to start a Friends group, so the manager and staff have been sort of picking our brains

lately as far as ideas for starting this group. We have given them some of the obvious suggestions. For example, we advised them to find an energetic, organized community leader or group of leaders to get things kicked off, insure that there are common goals to strive for, make sure they garner publicity for meetings and events, etc. But the hatchery staffs' question to all of this was, why? Why would people want to volunteer to do those things? What's the "hook" you refuge guys use? That's a good question, especially coming from fishery people, and one I have actually thought about quite often. Why would volunteers want to do the work they do on the refuge for free? I suspect we all would have a slightly different answer to that interesting query. Many of us already volunteer for a variety of organi-

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New Manager to Report on February 6, 2005

By Barry Christenson, Refuge Supervisor

Steve Kahl has been selected as the new Project Leader of Shiawassee. Mr. Kahl is currently the Project Leader of Wallkill River NWR in New Jersey and will report on February 6. Mr. Kahl has also worked at Iroquois and Montezuma NWR's in New York

and has a Masters of Science degree in Fish and Wildlife Biology from the State University of New York in Syracuse. He has experience in a wide range of resource issues, has excellent communication skills, has extensive experience working with partners on habitat projects, and will be a tremendous addition to an already first rate staff at Shiawassee.

Special Point:

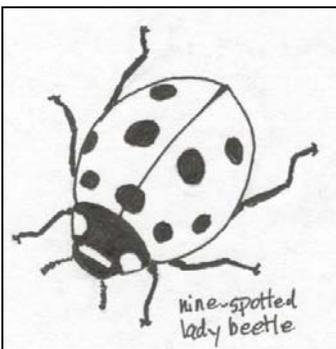
- Please check the trail closure schedule before you come out to the Refuge in December.

Invertebrate Colonist in the New World

Article and Illustration by David Peters, Tractor Operator

Most readers of this newsletter are familiar with invasive species. The zebra mussel and that newest nemesis, the emerald ash borer beetle, are two widely publicized examples of the tremendous effects that non-native wildlife can have on the indigenous biological communities. Both were transported to America unknowingly, through failures to respect the fact that stowing away on an ocean going vessel is, and always has been, a convenient way for small organisms and seeds to make their way abroad. But there are also far too many instances where foreign species have been released on purpose, and due to a lack of thorough scientific evaluation, or just plain negligence, they subsequently spread out of control across the landscape.

The colors red and orange are synonymous with autumn. Traditionally this is for the color of falling leaves, but in recent years it is also the color for the multitude of lady beetles found congregating in and around buildings as winter approaches. Because this exploding "ladybug" population came to be seen as a nuisance to so many people, it was soon well known that these mobs were in fact lady beetles of Asian origin, deliberately released in this country to prey on tree aphids. There has been much discussion of methods for eradicating them from kitchens, but far less consideration of the biological cost of this introduction run amok. Unfortunately, it is now evident that the Asian lady beetle is likely to be a major contributing factor in the widespread decline of native lady beetle species.



There are, or were, five hundred distinct species of lady beetles indigenous to North America. Some are generalist in their habitat, others more restricted in distribution, but they are the dominant natural predator of aphids and other such soft-bodied insects. However, recent surveys of the native nine-

spotted lady beetle, which ranged across the United States and was the most common lady beetle in the northeast, did not find any in that region, and only a few individuals in the Midwest and West. Surveys in South Dakota have found several once common lady

beetles, including the nine-spotted, to be entirely absent. Similar findings continue to emerge from all across the country. Despite lady beetles being less obscure than most insects, these declines have occurred rapidly and almost without notice, and the results appear to be devastating.

The connection between the rise of the Asian lady beetle, and the decline of the natives, lies in the fact that the large populations of the more aggressive introduced species, which is also far more general in what it will eat, are simply able to out-compete indigenous lady beetles for food resources. Subsequently, the rich diversity of the North American lady beetles is in jeopardy, and a little more of the overall natural biodiversity of the land is eroded, including that of Shiawassee NWR, where introduced lady beetles are now the most common species.

This case illustrates the results of the global mixing of species that is now occurring at its fastest rate ever. Nowhere, not even within the boundaries of a National Wildlife Refuge, are America's plants and wildlife, be they rare or as common as lady beetles, safe from the threat of introduced invasive species. While it would be foolish to believe that unintentional introductions of non-native organisms could be fully eliminated, they can, with far better care than has been taken in the past, be reduced. Concerning purposely introduced species, such as the insect just discussed, there is no justification in this day and age to allow such releases without first thoroughly researching any potential negative effects. For your part, remember to plant only native plants or those proven to be non-invasive, and by all means, please don't buy insects to release in your garden. They have wings and will find it on their own, maybe even a hungry nine-spotted lady beetle or two.

Friends and Volunteers...the “hook”

(Continued from page 1)

zations, including churches, libraries, community improvement groups, and so forth. We all achieve a certain amount of satisfaction from being a part of these “bigger pictures.” Many of us have a deep-seated need to give back to our communities and their various components. We’d also like to have a sense of ownership. And besides all that, we feel a sense of accomplishment when mutual goals are met. I guess I’ve answered my own question. What do you think?

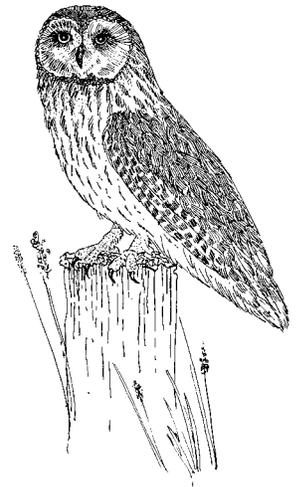
To answer the “hook” question, quite likely the hook is Shiawassee NWR itself. The refuge is an easy sell. As refuge staff, we never tire of talking about this place, and we enjoy sharing it with others. And if some group wants a tour of the area, we always try to accommodate them. It gives us a chance to show off this wonderful gem to others and experience it anew through their eyes. Besides, we love to be out there too! Many of you have already taken advantage of opportunities to get a “behind the scenes” look at the refuge. You’ve already seen and experienced the “big picture.” There will be similar opportunities in the future for the rest of you. These experiences will naturally increase your sense of ownership and partnership with the refuge, and will renew your appreciation for what our mission is. The product of this is that you’ll be better “missionaries” for us, helping us inform the greater community as to what Shiawassee NWR is all about, and why we do the things we do.

And speaking of this, I just want to say that it’s wonderful to see volunteers working on refuge events, trails, gardens, hunts, displays, etc., throughout the year. We also appreciate the uncounted hours the Friends Board invests in monthly meetings, which have the interests of the Shiawassee NWR in mind. We need friends and volunteers to continue to help promote the refuge and support it in many ways. Some of you are already involved in this effort through grant writing and involvement in the legislative process. As we do these things, we need to keep refuge goals in the forefront. For instance, the proposed refuge boundary expansion has yielded a gain of only 333 acres since the expansion proposal was approved eight years ago. That total is only four percent of the refuge’s planned land acquisition. This boundary expansion will help meet the refuge’s ultimate goal for protecting, restoring, and managing wetlands, forested habitats, and their associated fish and wildlife communities along

area river systems. This acquisition takes funding, and funding, in part comes from making sure the right folks have the right information. Letters of support from non-government sources can assist in that effort. The refuge also seeks to improve public access and comfort for folks visiting the refuge. A restroom facility at the Cass River Unit, and possibly another at the old picnic area on the Ferguson Bayou Trail would be nice. Grants, fund-raising events, and similar funding vehicles can help make those facilities a reality. There are other needs which have been discussed lately, and I think it’s outstanding that the Friends Board has now formed eight or nine separate committees to help with grant writing, volunteer coordination, membership drives, finances, activities, and promotions to help us achieve some of our goals. If interested in serving on one of these committees, please ask a Board member for more information. They’re a great group of people! And if you’re asked, please consider joining them in their effort. The goals of the Friends Group are discussed monthly at their meetings, and all these goals are achievable if we work together, keeping the mission of the refuge ever before us.

“These experiences will naturally increase your sense of ownership and partnership with the refuge...”

I’ll see you on the refuge, hopefully sooner rather than later. And, oh yeah, if you get up there to Jordan River National Fish Hatchery, make sure you tell their staff why you do the wonderful things you do. I’m sure they’d like to hear from you folks.



Short-eared owl

A “New” Bird for Shiawassee

By David Peters, Tractor Operator

If there is one bird that comes to mind for most people when you mention Shiawassee NWR, it is the Canada goose. The sight and sound of these “honkers” is synonymous with the Shiawassee Flats. As Acting Refuge Manager Ed DeVries wrote about in past issues of *Refuge Reporter*, the Refuge played an important role in reestablishing a now thriving population of resident Canada geese in the Saginaw Bay area. All across the country, the Canada goose, (albeit a blue one), is the official symbol of the National Wildlife Refuge System.

Each year, tens of thousands of Canada geese visit Shiawassee during their migration to and from nesting areas. Among these flocks are a few individuals that are notably smaller. These are not “babies,” as even some goose hunters checking in at the Refuge have mistakenly assumed, but a subspecies of Canada goose known (until this year) as *Branta canadensis hutchinsii*, or Richardson’s Canada goose. With the publication of its 45th Supplement to the AOU Checklist of North American Birds this summer, the American Ornithologists Union have separated *B.c. hutchinsii* and the three other recognized small Canada Goose subspecies into their own species. They are now known as *Branta hutchinsii*, or Cackling goose. The seven remaining recognized larger subspecies, including the interior (*B.c. interior*) and giant (*B.c. maxima*) Canada geese that compose the vast majority of flocks at Shiawassee, remain as *Branta canadensis*, Canada goose.

The cackling geese that occur at the Refuge (*B.c. hutchinsii*) nest in Arctic Canada and winter along the Gulf coast of Texas and Mexico, so only relatively few venture this far east of their flyway. In coloration, they are similar in tone to the interiors and giants, but they are notably smaller in overall size, with relatively shorter necks and bills. They also have a distinctly different call, a cackle as their name implies, rather than a honk. I myself have had the unique opportunity to observe cackling geese at Shiawassee on numerous occasions. They possess unique, admirable characteristics that set them apart from their larger, more mundane relatives. For this purely personal point of reason, beyond the scientific justification, I think they deserve our recognition as a species of their own.

So for all you birders and other interested naturalists,

take time to study the Canada goose flocks at Shiawassee, particularly in the fall, and you will eventually encounter one of North America’s “newest” bird species.

What is Snow?

By Becky Goche, Park Ranger

When water freezes inside clouds, ice crystals form. Ice crystals form around tiny bits of dirt that have been carried up into the atmosphere by the wind. The ice crystals join together creating snow flakes. Once the flakes are heavy enough they fall to the ground as snow. Each snowflake is made up of from 2 to about 200 separate crystals.

Snow is actually clear or transparent. Snow appears white because the crystals act as prisms, breaking up the light of the sun into the entire spectrum of color. The human eye is unable to handle that kind of sensory overload. Therefore, we see snow as white or sometimes blue. Snow can also take on the color of the environment you live in. For example, in places where the soil is red, the snow may be pink.

Most snowflakes are less than one-half inch across. The largest snowflake recorded was 15 inches in diameter! Imagine shoveling a driveway full of those! All snowflakes have six sides and no two snowflakes are alike. Scientists think that there are five different shapes of snow crystals: a long needle shape, hollow column that is shaped like a six-sided prism, thin and flat six-sided plates, six-pointed stars and intricate dendrites.

The shape that a snow crystal will take depends on the temperature at which it was formed. When the temperature is around 32° F to 25° F thin six-sided plates are formed. At 25° F to 21° F long needle shapes are formed. At 21° F to 14° F hollow columns are formed. At 14° F to 10° F six-point stars are formed. At 10° F to 3° F dendrites are formed. The colder it is outside, the smaller the snowflakes that fall. The fluffiest snow falls at temperatures around 15° F.

(Taken from www.youthonline.ca)

First Wednesday Series is Back as “Nurturing Nature First Wednesday”

By Janet Martineau, Activities Committee Chair

With the start of 2005, the Friends of the Shiawassee National Wildlife Refuge group is debuting a “Nurturing Nature First Wednesday” series at the Green Point Environmental Learning Center, 3010 Maple. The monthly series starts at 7 p.m. on the first Wednesday of each month and is free to Friends members and \$2 for non-members — all the better reason to sign up for a membership! The topics covered include backyard birding, the importance of the rain forest, landscaping for wildlife, outdoor cooking, growing ornamental grasses in the garden, life with the Woodland Indians and endangered species. Each program is geared for the family and will run 60 to 90 minutes, with most including visuals like slides or PowerPoint presentations. Question and answer periods also are a part of the evening. See enclosed flier for the entire list.

The Friends activities committee also is working on lining up guided weekend birding caravans into the refuge, led by Larry Abraham, Bob Grefe and Carolyn Szaroletta, all members of the Saginaw Valley Audubon Society. Look for one a month during the migration months of March, April, May, September, October and November — when the refuge is a hot spot.

And coming next summer are two workshops at Green Point: “Drawing in Nature” and “Monarch Magic.” We also are planning a “Shiawassee Nature Photography” session at the Refuge, but have not yet set a date.

It’s Party Time!

It has been awhile since the Friends of the Shiawassee National Wildlife Refuge hosted a party. So make plans for the Holiday/Winter Potluck Party at 7 p.m. on Wednesday, December 1, at the Green Point Environmental Learning Center, 3010 Maple.

Bring: (1) A dish to pass, your own plate, utensils, napkins, and beverage. (2) Five to 10 nature-oriented slides (or prints) for a show-and-tell session. (3) A friend, co-worker, relative, or significant other who is not a Friends member. He or she will receive a free membership for a year. Families are welcome but children must be accompanied by an adult. Cost: Free. And there may be a door prize or two.

The Trailhead Store Update

By the summer of 2005, the Friends of the Shiawassee National Wildlife Refuge hope to open a Friends store — selling books, nature gear, clothing apparel, nature-related toys and games for children and concessions. The refuge has donated the use of an unused trailer, meaning we can put the store on wheels to visit various venues and events.

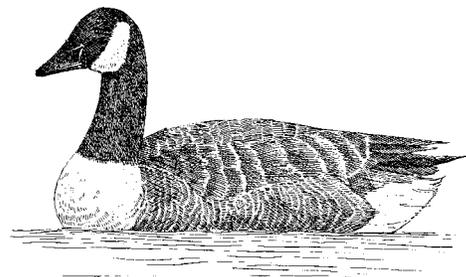
“...make plans for the Holiday/Winter Potluck at 7 p.m. on Wednesday, December 1, at Green Point...”

And we also want to establish a permanent facility at the developing Cass River Unit in Bridgeport.

Needed this winter are carpenters/builders to convert the trailer, an artist interested in creating a Shiawassee NWR logo, nature buffs to research product lines, business types who can set up business procedures and volunteers to staff the store. Please e-mail jmartineau@thesaginawnews.com, or call (989) 790-7341, if you are interested in helping. Friends’ stores at other refuges are major fund-raising avenues to help refuge operations and programs.

“The Wild Goose Chase”

It has been suggested that we consider having a walk/run in October, 2005 at the Refuge, called “**The Wild Goose Chase.**” There could be a walk/run component for the adults and older kids with a “**Gosling Gallop**” for the little tykes. T-shirts would be included in the registration. First, second and third place prizes to be awarded in a variety of categories. It has the potential to be a very fun day! **WHAT DO YOU THINK?** We are actively soliciting feedback on this idea as well as volunteers to plan and work the event. You can e-mail Susan Scott at SuHunSco@aol.com or call (989) 791-9270.



Canada goose

Friends Group Organization for 2005 Operations

By Charles Hoover, Friend President

The purpose of our organization is to promote the use of the refuge by our community while working to preserve it as a sanctuary for wildlife. We are a not-for-profit, 501-C3, membership corporation. Our methods of operation include, but are not limited to the following:

- (1) Develop programs and activities that educate and involve the public in our refuge.
- (2) Develop and operate a visitor center with an interpretive trail and trailhead store on the Cass River Unit of the refuge.
- (3) Increase our membership to a number that is able to make an impact with our programs.
- (4) Assist the refuge staff in their projects of maintaining and operating the refuge. As a 501-c-3, not for profit organization, raise money and channel grants for projects in our refuge.

In order for our organization to better operate next year, we will share our programs and projects with the general membership of our Friends group. Our governing body is an elected Board of Directors of up to 15 members. We will operate through a series of working Committees of our membership to plan, develop, and operate our programs and projects. The Chair of such a committee will be a member of the Board of Directors. The following is a list of the present operating committees with their responsibilities:

MEMBERSHIP: They keep track of our membership, promote renewals, and organize membership recruitment programs. Susan Scott will chair this committee.

ACTIVITIES: They organize our events, projects, and programs. They try to involve our members with active participation. Janet Martineau now chairs this committee.

INTERPRETIVE TRAIL: They will develop and operate the interpretive trail on the Cass River Unit. Dick Von Berg now chairs this committee.

TRAILHEAD STORE: They will develop and operate a store at our Cass River Unit trailhead, and also a traveling "trailer store" to be taken to our events. Janet Martineau will chair this committee.

PROMOTIONS: They will promote and market our programs and activities to the public to encourage participation.

FINANCE AND GRANTS: They will develop our operating budget, organize fund raising programs, apply for grants, and keep track of our financial assets. Rich Hodge will chair this committee.

We will be surveying our membership as to what area they would be willing to join in and assist a committee in our operation next year. If you want to join our Friends Group or if you are already a member and want to get involved, you may contact me at (989) 790-3836. Looking forward to working with you and having some fun for a good cause, our refuge!

Meet a Friends Board Member

By Ann Davis, Friends Board Member

I heard about the Friends group while attempting to attend the rained out Refuge drive through in the spring. I do not have a great deal of exposure to the interior of the Refuge, yet. I hope to visit further into its depths through the Friends organization. My favorite activity is direct interaction with animal life in the Refuge. My desires are to more closely observe the life cycles and behaviors of the Refuge animals. I also look forward to seeing which flowers and natural animal foods grow within.

I have degrees from Delta, SVSU, and MSU. After earning a Master's in Criminal Justice, I decided to stay in school, adding classes such as civil law and computer literacy. I also enjoy non-credit classes including Home Depot U, Nikonus Shootout Underwater fish I.D./photography, and crafts. I have visited 37 states and 7 foreign nations, seeing many museums, parks and historical points of interest. My hobbies include photography, reading and nutrition.

Renew Your Friends' Membership Today

By Susan Scott, Membership Committee Chair

I would like to introduce myself. My name is Susan Scott. As a Saginaw resident and a long time user of the Shiawassee trails for walking and biking, I feel I have a vested interest in the Refuge. Therefore, I was flattered to be asked to join the Friends organization as a member of the Board. I own my own Massage Therapy business and when not working on clients, I like being outdoors doing almost anything. Biking, walking the dog, rollerblading and cross-country skiing are some of my preferred activities. As a Master Gardener, my volunteer hours have included some work in the Refuge's flowerbeds. I also am an avid reader with eclectic tastes in literature.

As the Board works to become a better organized and a more effective voice for the Refuge, we have created a series of committees. I currently chair the membership committee. I have two main goals at this time. The first goal is to get the membership lists up to date. While many of you still get the newsletter, your dues have **lapsed**. You will note a **RED MARK** next to your

name on the address label. This means that your membership is up for renewal. Please take the time to fill out the enclosed form to continue to receive the Refuge newsletter. Your membership allows us to be able to put on events, maintain the trails, alert the community to the benefits of the Refuge and much more.

My second goal is to get our members more involved within the organization. Perhaps you have some time you could devote to working on one of the committees that have been formed? Volunteers are also needed to work at events that are planned, to help with some of the maintenance and even to assist with mailings and the newsletter. To this end, on the membership renewal form enclosed with the newsletter is a list of possible volunteer activities. Please check all those that may be of interest to you. The more volunteers we have, the less work any one of us will need to perform yet everything that needs to be accomplished will be completed.

If you're not already a member consider joining us. Fill out the enclosed application and send it in today!

Refuge Trail Closures for Deer Hunting

The trails on the Refuge will be closed the following times for our hunting program. Only hunters with Refuge permits are allowed in the trail areas during the closed periods. Signs will be posted at each of the trail heads to let visitors know when they are closed.

Ferguson Bayou Trail at Curtis Road

December 1—18, 2004

December 27—31, 2004

Woodland Trail at Stroebel Road

December 11—18, 2004

Cass River Unit in Bridgeport Township

December 1—10, 2004

December 27—31, 2004

Green Point ELC in Saginaw

Trails remain open for hiking during daylight hours, everyday. Bicycles and pets are not allowed.

Christmas Gifting Early

By Dick Von Berg, Friends Trail Committee

The Trails Committee wishes to remind you of a gifting opportunity. In the 1.5 miles of trail being proposed at the Cass River Unit, there will be need for a number of benches. The small benches are \$150 and the large benches are \$500. These can be an enduring memorial gift that keeps on giving. Since this will be an all weather trail, the benches will be used year round. If you are interested in a larger memorial, the river viewing platform will cost \$6,000 and the "Heron Lake" platform will cost \$2,000. You can call Ed DeVries at the Refuge or any of the Friends Board members.

Shiawassee NWR's "Refuge Reporter"

Acting Refuge Manager: Ed DeVries

Editor: Becky Goche

Refuge Website: <http://midwest.fws.gov/shiawassee>

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Hours: M - F, 7:30 a.m. to 4:00 p.m.

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We're on the web!

[Http://midwest.fws.gov/shiawassee](http://midwest.fws.gov/shiawassee)



Is there a red mark by your name? See page 7 on how to renew your membership.

Teachers, How about a Program Brought to Your Classroom?

by Becky Goche, Park Ranger

Brrrr! It feels like the cold weather is here to stay. It's still a great time to bring your students out to Green Point for a field trip, though. We have several programs for you to choose from. See our "Educator's Guide" on our website or call Green Point at (989) 759-1669 to receive a copy. Can't bring your students to us? No problem, we'll come to you!

We have several programs that we can bring to your classroom. One of our most popular programs is our "Endangered Species" program. In this program, your students will learn about endangered species in Michigan and from all over the world. Lots of confiscated wildlife items will be passed around for your students to see up close. This program is good for all grades. Another popular program, especially with older stu-

dents, is our "Careers in the Fish and Wildlife Service" program. Students will learn about the many different careers that are available in our agency and how to prepare to work for us or any other natural resource agency. See our "Educator's Guide" for other programs.

Green Point also has 7 trunks that you can borrow for two weeks to use in your classroom. Each trunk is based upon a theme and includes videos, posters, activities and curriculum ideas that you can use with your students. Once again, see our "Educator's Guide" for more information.

All of these programs are free! Call me at Green Point at (989) 759-1669 for more information or to schedule a program or a trunk.

Nurturing Nature First Wednesday Series

- All programs begin at 7:00 p.m. and last 60 – 90 minutes.
- Held at the Green Point Environmental Learning Center, 3010 Maple Street, Saginaw, unless otherwise noted.
- Admission: \$2 for individuals or \$5 for a family. FREE for members of the Friends of the Shiawassee NWR.

Friends of Shiawassee NWR Holiday Party December 1, 2004

Bring a dish to pass, your own serveware, beverage and five nature-related slides you'd like to share — as well as a friend who's not a member of the Friends. Your guest will receive a year's free membership in the organization, which gets him/her free admission to the new Friends First Wednesday Series starting in January.

Backyard Birding Buffet January 5, 2005

Cherri Allen from Cherri's Feed-n-Seed & Birder's Boutique in Auburn will discuss ways to attract birds to your yard and feeder preferences of different birds. She will hand out information on bird housing and plants, and will offer other tips about our feathered friends, like how to make life easier for them in the winter.

Endangered Species February 2, 2005

Becky Goche, Park Ranger for the Shiawassee NWR, will discuss endangered and threatened species from around the world and the role of the U.S. Fish and Wildlife Service in their protection. Numerous confiscated wildlife items will be available for viewing. The program is good for all ages.

Upcoming First Wednesday Programs:

Ornamental Grasses for the Garden – March 2
Landscaping for Wildlife – April 6
Rainforest Review – May 4
Wildflower Folklore – June 1
Cooking in the Great Outdoors – July 6
Summertime at the Refuge Friends Picnic – August 3
Just what is a Refuge and why is there one in Saginaw? – September 7
Studying and Carving Birds – October 5
Woodland Indian Life – November 2

Calendar of Events

Refuge Night Hike

January 21, 2005, 6:30 p.m.

Begins at parking lot at west end of Curtis Road

Come explore the Refuge on a cold winter's night! This hike is geared for cold weather adventurers and is not recommended for young children. Dress for the weather and bring something warm along to drink afterwards! We will be hiking about 5 miles along the Refuge's trails under the light of the moon.

Looking Ahead in 2005

Shorebird Sister School Workshop – April TBA

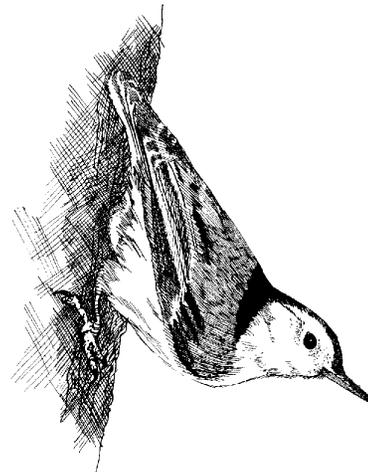
International Migratory Bird Day Celebration – May 14

Kids' Free Fishing Day – June 11

Summer Discovery Camp for Kids – June 25 & July 23

Jr. Refuge Manager Academy – July 19-21

Refuge Open House Weekend – September 10-11



For more
information, contact
Green Point ELC at
(989) 759-1669.

FRIENDS OF SHIAWASSEE NWR MEMBERSHIP PAGE

Friends of Shiawassee NWR Membership

____ Individual: \$10/year or \$25/three years

____ Family: \$25/year or \$60/three years

____ Supporting: \$50/year*

*Includes your choice of t-shirt, sweatshirt or hat. Please indicate your choice.

Name: _____

Address: _____

City: _____ State: _____ Zip code: _____

Phone: _____ E-mail: _____

Make checks payable to "Friends of Shiawassee NWR", PO Box 20129, Saginaw, MI, 48602.

Friends' Volunteer Opportunities

- ____ Making phone calls
- ____ Writing letters
- ____ Stuffing envelopes
- ____ Public speaking
- ____ Staff store
- ____ Work events
- ____ Writing newsletter articles
- ____ Concession stand
- ____ Committee member
- ____ Children's activities
- ____ Organize events

Do you have any of these skills?

- ____ Computer skills
- ____ Photography
- ____ Carpentry skills
- ____ Business organizational skills
- ____ Research
- ____ Artistic skills
- ____ Fund raising
- ____ Grant writing
- ____ Researching/Ordering merchandise
- ____ Other – please list: _____

Board of Directors Meetings

Board meetings held on the second Wednesday of each month at 7:00 p.m. at the Green Point Environmental Learning Center, 3010 Maple Street in Saginaw. General meetings with special programs are held at various times throughout the year. Friends Board of Directors Officers are:

President – Charles Hoover

Vice President 1 – Dick Von Berg

Vice President 2 – Steve MacAlpine

Treasurer – Richard Hodge

Secretary – Barb Werle