

BIPOA

Summer 2008

ISLAND CURRENTS

Beaver Island Association

Supporting Environmental
and Economic Sustainability

Mission Statement

1. Represent the combined interests of our membership on issues of mutual concern that may affect the fundamental character of Beaver Island.
2. Support the preservation of the natural resources and beauty of Beaver Island and appropriate environmental conservation policies and/or methods.
3. Work with local government units in support of property owners' shared perspectives, concerns, and investments.
4. Foster and support economic growth that is consistent with the preservation of the natural beauty of Beaver Island and the quality of life, which is the reason for our original and continuing attraction to Beaver Island.

History of the Beaver Island Association

In 1988, twenty years ago, a group of civic minded people met to form the Beaver Island Property Owners Association. William Schneider was president and the board consisted of Harold Hart, Dorothy Prawat, Sue Welke, Owen Neils, Max Neils, Ruth Denny, Lois Williams and E.B. Lange. The Beaver Island Historical Society archives all the past newsletters. It is enlightening to see the topics that were taking center stage of life here during these early years of BIPOA. Issues being addressed by this board included the Wade-Trim Report with a proposed sewer system for the island at the cost of \$1,300,000.00. Fears of large-off island corporate developers with bottomless bank accounts were identified as the biggest danger. The closure of the dump and the need for the Transfer Station, a Sand Dune Protection and Management Bill were presented at BIPOA's first meeting.

Dust control and movement of perimeter roads, back from Lake Michigan were issues.

A questionnaire was sent by the BIPOA board to property owners. E.B. Lange compiled a list of 150 replies. These are a few of the comments that you may find interesting.

"Preserve the natural beauty. We like the peace and quiet and unhurried pace. In other words, you have 'time to smell the roses!'"

"We like it [BI] for its remoteness, spaciousness, low population, history, serenity, isolation, security, solitude, tranquility, uncluttered landscape, primitiveness, outdoor recreation, hunting & fishing, and its unspoiled beauty of nature."

"BI includes a great diversity of habitats and endangered species and great beauty. Many friends we know come to the island to escape the cares and pressures of the cities and to tune into nature." *continued on page 2.*

In This Issue and online at www.BeaverIslandAssociation.org



Going Native
Maintaining
Eco-Integrity



Dealing with
Avian Botulism
Monitoring & Cleanup



Save Our Shoreline
from Phragmites
June 24



Water Level Fluctuation
Beach or Wetland?
July 10



The Hiking Trails
of Beaver Island
July 17



Facts, Figures & Fun
Honey Bees
July 24



Lightkeeping
& Lifesaving
August 7

www.BeaverIslandAssociation.org

Beaver Island Association

History, continued from the cover

“I encourage year-round employment for island residents but I am very concerned about big developments and high taxes.”

“My property taxes, when I purchased my cottages, were less than \$100... Now they run \$500 and if my small cottage goes to \$600, I’m selling out.”

“We are in our third generation of family coming to the island for summer vacations. We will probably continue this way.”

“We are planning to retire here [BI]. We will build on our property about three years before retirement—about 1995.”

“Many of our favorite areas are

becoming inaccessible. I hope that enough of the low density and natural areas can remain open to the public. This is what draws tourist...the remoteness and lack of commercialization.”

“We would like development to proceed carefully; we don’t want to destroy the natural beauty of BI—the reason we came in the first place.”

“Over-development on the island would eventually hurt even those it was intended to help. Beaver Island is unique, let’s not spoil it.”

“If only we could find a way to make a living on the island, we’d move there before retirement time!”

“Cottage industry and artist in

residence are terrific ways to enhance and broaden the financial base of the island.”

“Improve the roads. We live nine miles out of town and can’t take the ‘washboard’ and dust. There is a need for sidewalks and better pavement in commercial areas and out to the Beaver Lodge.”

“In the twenty five years we have been going to Beaver Island it has changed and not all for the better. Let it become like Mackinac Island, and the fudgies take it over, and our property is for sale.”

“I did appreciate the survey. It set me to thinking about responsibility to the Islanders as well as ourselves.”

Going Native on Beaver Island

Working to maintain the eco-integrity of the Beaver Island has never been as important as it is today. One way to keep the island looking as natural as possible is to landscape with Michigan native trees, shrubs, and plants. Small efforts can have a big impact on the esthetic beauty of your yard and help to retain the natural ecosystems that exist here. Native plants are those that are indigenous to this region of the United States before European settlement.

Using Michigan native trees, plants, and wild flowers has many benefits. Being well suited for their environment native plants requires less maintenance and watering. Native plants also provide habitats specific to the wildlife in the area.

When planted along shoreline areas the root systems act as filters which can remove 50% to 100% of solid particles from water runoff which helps to prevent phosphorus from getting into our lakes. This is much more effective than a traditional green grass lawn and you don’t have to use as much or any fertilizer. If you use fertilizer, The Tip of the Mitt Watershed Council recommends a fertilizer mixture developed specifically for property owners in our region. The formula is 20-0-10. Twenty parts nitrogen, zero phosphorus, and ten parts potassium. It can be found at most large garden centers.

Like any landscaping project there are several factors to consider when you are getting started. Soil composition, sunlight, and moisture

determine placement and what is best suited to the natural vegetation community. For example, wildflowers needing full sun should be placed in a spot getting 8 hours of sun per day. Also, you would want to put them in a location that maximizes your viewing pleasure. Soil composition can be evaluated professionally by sending a sample to the Michigan State University County Extension Office. You can also look around your own property and determine in a general way what kind of eco-system you live in and consult the many books and catalogs that are available. When looking around your property think in terms of what could be relocated. Many varieties of young trees, shrubs, and wild flowers move well as long as the environmental conditions are the

Supporting Environmental and Economic Sustainability

EB Lange goes on to say, “Whether we are Beaver Island residents, with lives centered here, or regular seasonal residents, we share the conviction that this is a rare and beautiful setting. There is a real need for new business on the island to expand and stabilize the economy year-round, and thus to help sustain the populations and businesses serving seasonal residents and visitors.

The need for economic development resulted in the Wade Trim Survey. Talk of development stimulated concern for preservation of island qualities which bring many people here again and again. This concern in turn resulted in the formation, in 1988, of the Beaver Island Property

same. Having said that, it does not mean that you can go into the woods and dig up anything you want. In fact, some things are endangered or threatened by extinction. Heavy penalties exist if you remove these plants.

If you’re going to develop a natural area and would like to minimize the adverse impact there are plant rescue programs that assist and advise in re-locating existing native plants to another location on the property or have them removed to be used elsewhere or for propagation purposes. If you are interested in plant rescue there are several sources in Northern Michigan that may help:

- Tip of the Mitt Watershed Council www.watershedcouncil.org/nativeplant.html

Owners Association.

New laws, resulting from a growing state and national concerns about waste management, pollution, the natural environment, dunes preservation, etc., are also pressuring the island for change.

There is a challenging, positive process underway seeking growth that will be considerate of what makes BI a very special place. How the island will change depends largely upon those who are willing to be part of the process and do the work. The major responsibility and effort naturally becomes the burden of residents whose lives are centered here. There is also talent and experience in island seasonal residents

- Grand Traverse Conservation District www.gtcd.org
- Leelanau Conservancy Wildflower Rescue Group www.theconservancy.com/Events.html

It is important to remember that if you have disturbed soil on your property it is important to stabilize it as soon as possible to prevent erosion and possible invasive plant development.

Using native plants is economical and produces long lasting results. There are many beautiful native plant choices for your garden or landscape that enhance the environment in a natural way and help to maintain the eco-integrity of your property. If you’re interested in planting wildflowers avoid using wild flower seeds that come in boxes or cans

which, when offered and accepted, is rich in potential good for the future we all hope to enjoy Michigan’s Emerald Isle!” Thank you EB—there is still much work yet to be accomplished and in twenty more years, we will look back once more.

We would like to welcome our newest members, and thank all of you who continue to support the efforts of our organization. Dues run from July through July. Without your continued commitment and generosity, we would not be the active organization that you see today.

Welcome to our newest members: Jonathan Cain and the Port of St. James Association.

as these may contain invasive species. A good source for native wild flowers is www.michiganwildflowerfarm.com The Michigan Wildflower Farm has many choices including a mix designed specifically for drain fields. Many commercial nurseries now have sections devoted to native plants. The Grand Traverse Conservation District annually holds a Native Plant Sale; this years sale was held Saturday, May 17 8am-4pm and Sunday, May 18 10am-4pm. Many plants at this sale are from plant rescue programs in Northern Michigan. Using native plants on your property is a good way to help Beaver Island remain more natural and unchanged for future generations.

– Jane Dwyer

Beaver Island Association

Type E "Avian" Botulism

This last fall, northern Lake Michigan was especially hard hit with the toxic effects of Type E botulism also known as avian botulism. The count is approximate but the mortality bird number being circulated is 8,000 with 2,000 being identified as loons. Many of our native waterfowl as well as migratory birds such as the white-winged scoter, horned and red-necked grebes, mergansers, long-tailed duck, and piping plovers were caught in a dangerous anaerobic soup. According to Ken Hyde, Wildlife Biologist from Sleeping Bear National Park, they watched as the warmer Lake Michigan water mixed with the large mats of cladophora that rolled along the lake bottom. Although this type of botulism is native to the Great Lakes, the decaying cladophora

mixed with botulism infected gobies were eaten by these birds. Neuro toxins are released which paralyze the birds in the water. There are many remaining questions for researchers such as whether the infected area was localized in portions of Lake Michigan or wide spread.

What is the property owner to do if they find a dead bird on their beach this spring/summer? According to Mark Brederlander from SeaGrant the following steps should be taken:

- Least desirable is leaving the carcass on the beach. Toxins can be spread to scavengers as well as leaching back into the water and re-infecting zebra mussels along the shore.
- Keep family pets away from carcasses and birds that may be on the shoreline exhibiting

unusual behavior.

- Remove and double bag the carcasses and take to the Transfer Station. As with any dead animal, rubber gloves are to be used and stand so wind is downwind when picking up.
OR
- Bury the carcass 2 feet below ground, away from water sources and in an area that will not be dug up.
- Botulism is destroyed in sunlight and fresh air, but some botulism spores may remain.
- You will not get botulism by swimming in Lake Michigan.
- DO NOT eat raw fish from Lake Michigan. Fish or birds that are displaying unusual behavior should never be consumed.

Beaver Island Association

Committees

Phragmites

SOS Project Coordinator

Pam Grassmick
28629 Kendallwood Drive
Farmington Hills, MI 48334
Phone (248) 489-0784
mcgrass@ameritech.net

Beach Clean-up Coordinator

Ken McDonald
31570 East Side Drive
Beaver Island, MI 49782
Phone (231) 448-2981
KJMcDonald@comcast.net

Project Coordinator for "A Great Lakes Jewel"

Pam Grassmick
28629 Kendallwood Drive
Farmington Hills, MI 48334
Phone (248) 489-0784
mcgrass@ameritech.net

Lake Geneserath issues/activities

Craig Schrottenboer
26652 Hemlock Point Road
Beaver Island, MI 49782
Phone (231) 448-2973
cschrottenboer@ghfc.org

Senior Housing

Jane Dwyer, Secretary
31520 East Side Drive
Beaver Island, MI 49782
(231) 448-2868
dwyerje@gtlakes.com

BI Preservation Association Liaison

Ken McDonald
31570 Eastside Drive
Beaver Island, MI 49782
Phone (231) 448-2981
KJMcDonald@comcast.net

Supporting Environmental and Economic Sustainability

- There is a very real possibility that this die off will occur again in October/November of 2008, if conditions continue. Some shoreline birds may be affected this summer season.
- Brian Mastenbrook, from the Michigan Department of Natural Resources, is to be notified with any banded birds. His office number is (989) 732-3541 ext. 5430.
- The DNR will be involved in the coordination of surveys and reporting. Shoreline owners are going to be asked to participate in the identification and record mortality. Ken Hyde from Sleeping Bear will provide a visual guide to carcass identification for those birds that have been in the water for an

extended period of time. Swans that have black beaks are Trumpeter and also need to be reported. This carcass guide is in production and other information and links can be found on line at www.miseagrant.umich.edu/habitat/avian.html or www.beaverislandassociation.org

- This fall, concern was high regarding whether Beaver Island's 5-7 breeding pairs were in the count. Only the



spring would bring an answer to our loon population. A sigh of relief came when loon calls were noted on Greene's Lake and the harbor this spring. Sleeping Bear biologists are encouraged and have reported Piping Plover sightings and returning loons.

- Jacque LaFreniere, our "Loon Lady" will be organizing the shoreline identification project and is in need of volunteers to monitor our beaches this summer and fall. If you are planning on being on Beaver Island for an extended period of time, please consider contacting Jacque to help. Jacque's e-mail is: Jacquel@gtlakes.com or (231) 448-2220.

– Pam Grassmick

Supporting Environmental and Economic Sustainability

Homeowner Reference Library Coordinator

Dan Wardlow
31061 Camp 3 Trail
Beaver Island, MI 49782
Phone (231) 448-3196
danbeaverisland@yahoo.com

Newsletter & Website www.BeaverIslandAssociation.org

Pam Grassmick
28629 Kendallwood Drive
Farmington Hills, MI 48334
Phone (248) 489-0784
mgrass@ameritech.net

Dan Wardlow
31061 Camp 3 Trail
Beaver Island, MI 49782
Phone (231) 448-3196
danbeaverisland@yahoo.com

Wildlife Club Liaison

Bruce Jacobson
29616 East Side Drive
Beaver Island, MI 49782
Phone (231) 448-2894
bgordonj@gtlakes.com

Island Logging liaison to the DNR

Dan Wardlow
31061 Camp 3 Trail
Beaver Island, MI 49782
Phone (231) 448-3196
danbeaverisland@yahoo.com

Township Liaisons

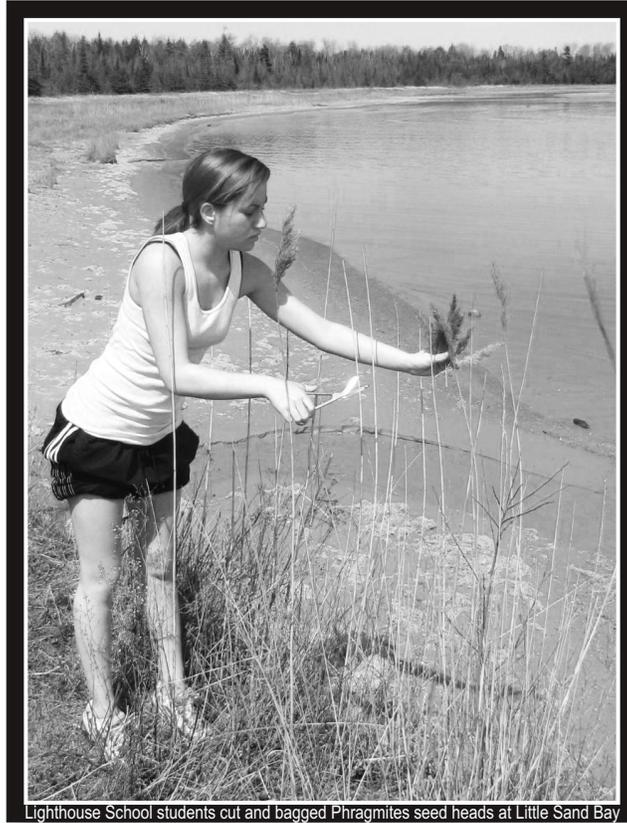
St. James Township
Peter Igoe
Phone (231) 448-2582
pigoe@verizon.net
Peaine Township
Pam Grassmick
Phone (248) 489-0784

Beaver Island Association

2008 Save Our Shores Phragmites Control Efforts

Thank you to all who participated in our first of many Phragmites control efforts or *the Save our Shores Program*. The townships are in the process of putting into place a revised 2008 treatment program which should be smaller in scope because of the success of our initial treatment last September. We strongly encourage all shoreline property owners to attend the upcoming 2008 Phragmites treatment program meeting scheduled for June 24th at 7 p.m. at the Peaine Township Hall.

Representatives will be available to answer your questions. The townships' attorney, Bryan Graham, will also be present to discuss the proposed



Lighthouse School students cut and bagged Phragmites seed heads at Little Sand Bay

Phragmites ordinance. The intention is to make the treatment as effective

as possible while protecting the sensitive shoreline which supports the water quality of the Great Lakes along with wildlife habitat. Concerns have been voiced over Phragmites adversely affecting property values' which has the potential to erode Beaver Island's tax base. As a result of townships' discussions with numerous property owners, both township boards engaged the Michigan Department of Environmental Quality in dialogue concerning the ability of a township to implement an ordinance that would eradicate this invasive plant from our shoreline. After further discussions with the Attorney General's office, both township boards

Beaver Island Wildlife Club News

The Beaver Island Wildlife Club recently held its monthly meeting at the St. James Township Hall.

Club President Jeff Powers called the session to order, and after secretary and treasurer's reports, special guest Brian Mastenbrook of the Michigan Department of Natural Resources was introduced, and a number of important topics were discussed.

Jeff provided an update on the cormorant control initiative.

This is designed to help keep the cormorant population in the Beaver Islands under control, within reasonable limits, thus providing some protection to the island fishery. The Wildlife Club has been working closely with the Michigan DNR and the U.S. Fish and Wildlife Service for some time on this effort. This year's objective will again be for a 10% population reduction of the local colony.

The status of the walleye pond on Beaver Island was reviewed. The opportunity to obtain walleye fry from the DNR has been constrained by their inability to assure freedom from the VHS virus. However, we will likely be getting a direct fingerling plant, which would not require use of the pond. Alternate pond uses were discussed.

At this point Brian Mastenbrook provided an update in

Supporting Environmental and Economic Sustainability

have forwarded the proposed ordinance again to the DEQ for their final approval.

Brian Mastenbrook from the Michigan Department of Natural Resources has again offered his assistance with obtaining the necessary permits and the process of awarding the bid to the treatment company. He hopes to expand treatment to Garden and High Islands where small stands have been detected.

A survey of the herbicide treatment results is planned with representation from the MI DNR, townships, Superior Environmental and Aquatic Services, and the Beaver Island Association. An agreement between CMU and the DNR will provide for a detailed



They were then treated to hot chocolate and brownies by the Beaver Island Association.

Phragmites survey of the entire Beaver Island shoreline. This inspection

the phragmites control results from last year, and the plan for 2008.

The planting of food plots for wild turkey and the availability of state funds in support of this was reviewed. Money is expected to be available again this year, and will pay for approximately one third of the cost up to \$135 per acre.

The meeting concluded with a discussion of the island deer herd. Driving survey data suggest population level and doe:buck ratio

have remained relatively unchanged over the period 2003-2007. Antler-less quotas for the coming season were reviewed and a recommendation for a late season for antler-less deer, on private land only, will be taken forward. This would help bring the doe:buck ratio closer to the desired range. A proposal to make Beaver Island a Quality Deer Management (QDM) area was discussed. If implemented, this would restrict the buck harvest

will take place during the last two weeks of June.

What is a shoreline property owner to do during their return this spring/summer?

1. First inspect your shoreline, noting the location of any active Phragmites infestations. If you have old treated Phragmites plants, cut within 2 inches of the soil. Disturbing the soil may enhance the ability for the invasive seeds to germinate.

2. Attend Phragmites information sessions or review websites found at the bottom of this article.

3. Review and return necessary township permission slips (mailed June 1st and available online from Peaine *continued on page 8.*

to those with a certain minimum number of antler points which would in turn, over time, lead to a herd with more mature bucks supporting larger antlers. A committee was appointed to further investigate.

Brian Mastenbrook was thanked for his participation in our meeting and his active interest and support of our island and its environment. The meeting was adjourned.

Beaver Island Association

Invasive Phragmites
Continued from page 7.
Township's web site www.peaine.org and on the facing page.

4. For removal of old plant stands, Bob Williams from Harsen's Island offers the suggestion of using a 3.5" carbide circular saw blade on his weed whacker. This device is similar to a tree or limb trimming saw. You may bag the stems and the seed heads and take to the Transfer Station, or place in a small pile such as a fire pit and burn. Please do not transport Phragmites to a different site for disposal as this has the potential of spreading the infestation.

5. For larger denser stands, a recommendation from the Michigan Department of Environmental Quality is a tool called prescribed burn. This is not to be undertaken by an



individual home owner. It is only effective after an herbicide has been applied. If a burn takes place without the Phragmites being treated with an herbicide it will actually stimulate growth. Prescribed burns are to remove dense dead patches of Phragmites that may be a fire hazard this summer. It will remove stems and thatch and allow native species to regenerate. It will also make it easier to spot treat new growth. If you

had a significant stand on your property, contact the fire department and participate in a prescribed burn. Always check with the fire department first. Tim McDonough or Jim Wojan will be happy to discuss the options with you. This plant burns extremely hot and a burn should not be undertaken by untrained people. More information can be viewed

at Michigan Prescribed Fire Council at www.firecouncil.org or www.michigan.gov/documents/deq/deq-ogl-ais-guide-PhragBook-Email_212418_7.pdf.

Again, a wealth of Phragmites information can be found at the following websites:

www.peaine.org

www.BeaverIslandAssociation.org

www.AGreatLakesJewel.org

— Pam Grassmick

Beaver Island Association

Your Board of Directors

Paul Glendon – President

18 Southwick Ct. 29390 Betsy Smith Trail
Ann Arbor, MI 46555 Beaver Island, MI 49782
pglendon@yahoo.com (231) 448-2772
Fax (231) 448-2350

Annette Dashiell – Treasurer

2343 North Oak St. 30225 Green's Bay Dr.
Falls Church, VA 22046 Beaver Island, MI 49782
annetted@biip.net (231) 448-2542

Bruce Jacobson

29616 East Side Drive
Beaver Island
(231) 448-2894
bgordonj@gtlakes.com

Ken McDonald – Vice President

31570 Eastside Drive
Beaver Island, MI 49782
(231) 448-2981
KJMcDonald@comcast.net

Pam Grassmick - Past President

28629 Kendallwood Dr. 30710 East Side Drive
Farmington Hills, MI 48334 Beaver Island, MI 49782
(248) 489-0784 (231) 448-2314
mgrass@ameritech.net

Craig Schrottenboer

26652 Hemlock Point Road
Beaver Island, MI 49782
(231) 448-2973
cschrottenboer@ghfc.org

Jane Dwyer - Secretary

31520 East Side Drive
Beaver Island, MI 49782
(231) 448-2868
dwyerje@gtlakes.com

Peter Igoe

26145 Beaver Harbor Drive
Beaver Island, Michigan 49782
(231) 448-2582
pigoe@verizon.net

Dan Wardlow

31061 Camp 3 Trail
Beaver Island, MI 49782
(231) 448-3196
danbeaverisland@yahoo.com

Supporting Environmental and Economic Sustainability

Save Our Shoreline Permission Form

We have an urgent request for all shoreline property owners. In May, as a result of legal reviews by the DEQ, we are making changes to the 2008 Phragmites treatment plan. The intention is to enhance our understanding of Phragmites infestations on Great Lakes islands and lead to better management of our sensitive coastal shoreline.

We would like all 733 shoreline property owners to return the "permission slip" with your permission to access your shoreline property for the purpose of a detailed Phragmites survey. Without your consent, we will not be able to document the extent of the infestation.

In addition, if you wish to be included in the herbicide treatment, please check all the appropriate boxes. A letter detailing the treatment plan will be mailed on June 1st.

We as an island community have made great strides protecting our present shoreline and habitat but due to the present Michigan laws, we need your help and rapid return of this permission slip. Beaver Island's Phragmites program is pioneering on many different levels. Our collective attempts or failure to act on controlling this invasive species reaches beyond our shores and will directly impact future generations of shoreline owners.

If we have not received your slip by June 24, 2008, we will need to make follow-up phone calls. This is costly and time consuming. Please join us in this fight to preserve our shoreline vistas and critical wildlife habitat. This initiative is not ours alone, your assistance in the form of consent is urgently needed.

Signed,

John Works, Jr.
Peaine Township Supervisor

Don Vyse
St. James Township Supervisor

Brian Mastenbrook
Michigan Department of Natural Resources

Dr. James Gillingham
Director of CMU Biological Station



Save Our Shoreline

a project of Peaine and St. James Townships

36825 Kings Highway, Beaver Island, Michigan 49782

Name: _____

Property Location: Bay/Beach _____

Property Address: _____ Beaver Island, MI 49782

Additional Property - Please list additional property or properties on the back of this form

July/August Phone # _____ Email _____

Check all that apply:

I give permission to Peaine/St. James townships to inspect my property for Phragmites annually.

I understand that I have invasive Phragmites on my property.

I give consent to Peaine/St. James townships and the authority to treat during 2008-2009.

Check enclosed, due June 24, Payable to: Peaine Township/SOS Fund.

Donation for SOS Fund. Funds used only for Phragmites control efforts.



signature

please print

Beaver Island Association

Summer Calendar — Annual Meeting July 14

2008 Phragmites Eradication Plan (Save Our Shores Program) Meeting

June 24 — 7:00 p.m.

Peaine Township Hall

Shoreline owners and interested individuals are asked to attend a public meeting on June 24, 2008 at the Peaine Township Hall at 7:00 p.m.

This meeting is to discuss the proposed 2008 Phragmites Eradication Plan (Save Our Shores Program). John Works, Peaine Township Supervisor, Don Vyse, St. James Township Supervisor, Brian Mastenbrook, DNR, and representatives from the Beaver Island Association (BIPOA) will be on hand to answer questions.

More information on Phragmites and treatment can be found at:

- www.peaine.org/environment
- www.beaverislandassociation.org
- www.agreatlakesjewel.org

June 27-28 — Electric Car Show

July 10 - 7:00 p.m. CMU — “Great Lakes Water Level Fluctuation and Shoreline Vegetation— Beach or Wetland?” A Beaver Island Association/Friends of Beaver Island Lecture.

2008 BIPOA / Beaver Island Association Annual Meeting

July 14 — 7:30 p.m.

Peaine Township Hall

Please mark you calendars for the Beaver Island Association’s Annual Meeting. We will be celebrating our 20th anniversary as an organization. Election of officers, committee reports and the presentation of the proposed name change, along with other business will be presented. As always, light refreshments will be provided and the meeting is open to the general public.

July 17, 7:00 p.m., CMU — “The Hiking Trails of Beaver Island.” A Beaver Island Association/Friends of Beaver Island Lecture.

July 18-19— Music Festival

July 21-26— Museum Week and MAD (Music Arts Drama) Camp

July 24 - 7:00 p.m., CMU — “Honey Bee Facts, Figures, and Fun.” A Beaver Island Association/Friends of Beaver Island Lecture.

July 30-August 4 — Baroque on Beaver concerts with Jazz and More! music camp for Beaver Island Community School as well as visiting students

August 4-8 — Beaver Island Writers’ Gathering

August 7, 7:00 p.m., CMU — “Lightkeeping and Lifesaving: Beaver to Betsie.” A Beaver Island Association/Friends of Beaver Island Lecture.

August 9 and 10—Homecoming

Additional Properties

Please list primary property on other side

2.) Property Location: Bay/Beach _____

Property Address: _____ Beaver Island, MI 49782

3.) Property Location: Bay/Beach _____

Property Address: _____ Beaver Island, MI 49782

4.) Property Location: Bay/Beach _____

Property Address: _____ Beaver Island, MI 49782

_____ Please be sure to complete other side as well. This side is optional. _____

"Great Lakes Water Level Fluctuation and Shoreline Vegetation: Beach or Wetland?"

Presented by:
Dr. Don Uzarski
Assistant Professor and Director of Great Lakes Research, Central Michigan University

Thursday July 10, 2008 7:00 p.m.
CMU Bio Station Academic Center Lecture Hall

"The Hiking Trails of Beaver Island"

Presented by:
Dr. Jim Gillingham
Professor of Biology and Director CMU Biological Station, Central Michigan University

Thursday July 17, 2008 7:00 p.m.
CMU Bio Station Academic Center Lecture Hall

"Honey Bee Facts, Figures and Fun"

Presented by:
Dr. Dyanne Tracy
Professor and Chair Department of Teacher Development and Educational Studies, Oakland University

Thursday July 24, 2008 7:00 p.m.
CMU Bio Station Academic Center Lecture Hall

"Lightkeeping and Lifesaving: Beaver to Betsie"

Presented by:
Jonathan Hawley
Vice President of "Friends of Point Betsie Lighthouse, Inc."

Thursday August 7, 2008 7:00 p.m.
CMU Bio Station Academic Center Lecture Hall



Beaver Island Association

Membership Application

New Member Renewal Update Address

* 2008 Dues: \$20.00 *

Your Name: _____

Island Address: _____

(Address Line 2): _____

City: _____

State: _____ Zip: _____

Telephone: () _____ Fax: () _____

Mailing Address (if different than above)

Your Name: _____

Address: _____

(Address Line 2): _____

City: _____

State: _____ Zip: _____

Telephone: () _____ Fax: () _____

E-mail Address: _____



- Send Beaver Island Association News Updates via this email address
- or
- Send Beaver Island Association News via postal mail
- I would be interested in serving on a committee.
- I would like to help with the annual meeting.
- I would like to help with special projects:

Please Mail with your Membership Dues of \$20.00 to:

Beaver Island Association
Box 390
Beaver Island, MI 49782

Beaver Island Association Library Resource

The Association's resource drawer at the Beaver Island Library has been stocked with articles and handouts on many topics related to island ecology and land use. We've also stocked copies of the Association's new DVD *Environmental Quality in the Great Lakes Region*. The DVD includes three short vid-

eos, including *A Great Lakes Jewel*, *Invasive Phragmites*, and *It's All Connected*.

A Great Lakes Jewel is the video shown at our 2007 Annual Meeting, and is a guide to island ecology for visitors.

Invasive Phragmites shows how this invasive grass species has

choked our coastline, and describes efforts to combat the invasion.

And *It's All Connected* is a very helpful short video which describes how a septic system works and how to properly care for your system. All materials in the drawer are free for the taking, and courtesy of your Association. – Dan Wardlow

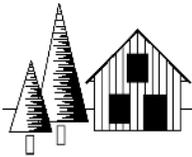
Moving? Online Now? Please Keep Us Updated

Anytime that you do not receive your BIPOA newsletter, there is a reason. The most common is that either you moved and did not notify us, or that your dues were not paid and we had to remove your name

from the mailing list.

Please clip off your name from the address area and return it to us when you are moving, so we will be able to get the newsletter off to you promptly.

You may also e-mail us via the Beaver Island Association website or you may choose to receive Beaver Island Association news updates via email instead of via postal mail: www.BeaaverIslandAssociation.org



Box 390

Beaver Island, MI 49782

Beaver Island Association

Supporting Environmental
and Economic Sustainability