P.O. Box 451, Meredith, NH 03253

• • •

Website: WWWPA.org

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed



How Microbursts Affect Your create an accelerated vertical Watershed

By Catherine Greenleaf

A suspected microburst struck per hour. Lake Winona this past August, top- While microbursts have always surance companies.

WHAT IS A MICROBURST?

near ground level. When rain by a newly identified phenomeevaporates within a cloud, a drop non: a microburst. in temperature occurs and this can

Photo by Linda Heminway

downburst or microburst.

According to meteorologists, a A microburst is a severe weather microburst is like a giant water event, one that forms rapidly and balloon being held aloft by a leaf strikes quickly, often without blower. The warm air rising holds warning. While a microburst typi- the mass of rain and hail aloft until cally lasts only a few minutes, the the entire mass drops to the destruction it causes can be monu- ground. The incredible downdraft mental, especially to watersheds. can create winds up to 170 miles

pling trees and causing property existed, they weren't identified damage along portions of Anchor- until the 1970s. Some strange age Road, West Shore Road, and anomalies in the weather were Winona Road. Lakefront home- noted by meteorologists during owners spent weeks clearing out that decade, especially in relation the damage and dealing with in- to several airline disasters. Eastern Air Lines Flight #66 crashed on approach at New York's JFK A microburst is a strong downdraft Airport in 1975, killing 113 of the within a thunderstorm that can 124 people on board, and it was generate damaging winds at or determined the crash was caused

Continued on page 3...

Volume 8, Issue 7: Fall 2022 Newsletter Editor : Jamie Heminway

• • • • •

Articles in this Issue

- How Water Quality Testing Helps our Watershed
- Loons of the Waukewan-Winona Watershed
- The Origins of the Snake River "Beaver Deceiver"
- Lake Host Programs on Winona and Waukewan
- Keeping the Skies Dark

Mission Statement



WAUKEWAN AND WINONA WATERSHED PROTECTIVE ASSOCIATION

The mission of the Waukewan and Winona Watershed Protective Association is to encourage and support long-range planning, responsible lake level management, and sound conservation techniques to preserve the ecology, environment and natural beauty of the Waukewan and Winona Watershed.

It serves as a voice for its members in matters of group concern with regard to the environment and seeks to assist with scientific studies, education programs, and the preparation and dissemination of educational materials.

P.O. Box 451, Meredith, NH 03253

•

Website: WWWPA.org

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed

WWWPA 2022 Year in Review

• •

By Sharon O'Donnell

trained annually to look for inva- together our newsletter. weekend through the Labor Day expand our membership. gram.

WWWPA also had representation at the New Hampshire Lakes Congress, which was held on June 3, 2022 in Meredith, NH. This leadership conference supports lake associations across the state and provides networking opportunities for their leaders and members. New Hampshire Lakes provided a featured speaker, panel discussions, and workshops throughout the day for the conference attendees to obtain current information about the water quality of our lakes statewide.

Our newsletter is published twice a year around July 1 and November 1. We invite our members to submit articles and pictures related to environmental issues that

Lakes in Concord, New Hamp- sociation. Our association appre- bridge fund. shire and the volunteers are ciates her hard work in putting On August 10, 2022, we spon-



Photo by Linda Heminway

may be impacting our watershed. community. The bill was signed We have received positive feed- by Governor Sununu in May, 2022 We started off the summer season back regarding our featured arti- and bridge signs were installed with six WWWPA volunteers who cles and are appreciative of the on both sides of the Winona Road participated in the Lake people in our community who do bridge in August, 2022. Our or-Waukewan Lake Host Program the research. Jamie Heminway, ganization would like to thank all and training. This program is our newsletter editor, has done an of the donors in our community sponsored by New Hampshire amazing job since joining our as- who gave so generously to the

sored a community lecture at the sive species on boats entering the On July 16, 2022, we held our an- Meredith Community Center. boat ramp on Lake Waukewan. nual membership meeting to ap- Harry Vogel, Executive Director Lake Winona also implemented prove our budget for the year and of the Loon Preservation Committheir Lake Host Program this sum- to bring our membership up-to- tee (LPC), was our featured mer with both WWWPA and Lake date on issues regarding our web- speaker and gave an excellent Winona Improvement Association site, speaker events, community presentation on the status of our member participation and great projects, etc. We are grateful for loon population. A significant success. The WWWPA volunteers the members who support our or- crowd was on hand to hear the participated from the July 4th ganization and hope to continue to presentation and ask questions. On August 18, 2022, WWWPA weekend, serving a weekly two- For the past year, WWWPA has provided a "Members Only" tour hour shift. We are grateful for the been working with the state legis- of the LPC in Moultonborough. volunteers who gave their time so lature to pass a bridge bill honor- Mr. Vogel provided insight into generously to support this pro- ing David Reilly and the work he how their organization handles did for our watershed and the compiling the statistics of the loon population as well as how their laboratory addresses the medical issues of the loons. The members went to lunch after the LPC tour for some social networking.

> On Wednesday, September 21, 2022, we paired up with the New Hampshire Electric Co-op (NHEC) for an event at the Meredith Community Center to provide information to the public about the tree spraying being conducted by the New Hampshire Electric Coop. The event was well-attended, with NHEC providing a panel discussion with the company who conducts the spraying. The attendees were able to ask questions and the panel provided ex-

P.O. Box 451, Meredith, NH 03253

Website: WWWPA.org

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed

MICROBURSTS — Continued from page 1...

• •

orded in the United States. But disappointment. then fanning out in all directions. massive storms. Planting native A microburst's effects can be felt trees and shrubs limits the according to scientists.

WHAT YOU CAN DO:

intuitive, it is especially important property, and contributes to the er Service: "When thunder roars, to replace any trees damaged formation of smaller, local, and go indoors." Keep in mind that or storms on your property in or- cording to ecologists. der to protect the watershed. Na- Prevent deforestation. A forest ing it. tive trees are the best choice, as habitat ordinarily provides cool- One of the biggest warnings of an their root systems grow ten times ing temperatures due to the thou- impending microburst is when deeper on average than non- sands of gallons of stormwater the sky turns a sickly yellow or natives, making them much better retained in its extensive root sys- green. These colors occur when equipped to withstand high tems. Multiple studies are show- hailstones are refracted through winds. Plant the trees in clusters ing that deforestation is making sunlight, according to meteoroloso their roots bind together to storms more frequent and more gists. This can be a sign a microfend off winds as well as cool off severe with increased flash flood- burst is about to occur and shelter the atmosphere. Planting a soli- ing. Urge your town to protect should be taken immediately.

There are approximately 10 mi- near a lakeshore is setting yourcrobursts for every tornado rec- self up for potential damage and

there are some radical differ- Limit the amount of impervious ences between a microburst and surfaces, like asphalt, on your a tornado. Tornadoes tend to trav- property. Stormwater that pours el in an erratic spiral pattern. The into lakes, rivers and streams effects of a microburst start by heads straight for the ocean. This hitting a ground zero location and contributes to the formation of up to 2.5 miles. Beyond 2.5 miles, amount of stormwater runoff com- velopment in or near forested arit is referred to as a macroburst, ing from your property. Retaining eas. the rainwater on your property HOW TO STAY SAFE: also re-charges the groundwater, Be weather savvy. Remember the

tary ornamental non-native tree local watersheds by limiting de-



Photo by Linda Heminway

While it may seem counter- creates transpiration on your warning from the National Weathdestroyed by previous less dangerous rainstorms, ac- when a microburst occurs, there is usually a thunderstorm preced-

2022 in Review — Continued from page 2...

cellent and detailed information, which was very helpful to the public. WWWPA worked with NHEC to provide a venue for this public information session.

We are always open to suggestions from our membership on how to protect our watershed and how to disseminate educational information to the public. We strive to work with community agencies and organizations to develop projects where we can find common ground.



Photo by Ryan O'Donnell

P.O. Box 451, Meredith, NH 03253

• • • • •

Website: WWWPA.org

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed

Loon Update: Waukewan, found abandoned by a floating onto a local pond in Maine. The Winona, and Hawkins Pond dock and rescued by Janan chick needed time to learn to By Linda Heminway, with contri- Hayes, consulting with the Loon fend for itself, so it was not rebutions from Andrea Siani



On a single chick on July 11. On July killed it. 16, when the second pair's chick was just five days old, loon disputes jeopardized the newborn's life.

"While out on a quiet early morning stand-up-paddle, I came upon a loon chick rescue mission," said Andrea Siani. "In late June, the Waukewan Jenness Cove pair of loons had two chicks successfully hatch. They were feeding and growing well, while the Snake River pair were busy sitting on their eggs over at Kitchen Island. In early July, one Kitchen Island chick hatched and in its first weeks was attacked by one of the pair of Jenness Cove chicks."

It is likely that this chick was the rehabilitator in Maine. The chick to nest. The pair consisted of a younger of the two-chick brood is still surviving, and LPC staff 2011 banded male and an unand grafted itself onto the other banded it on September 15. The banded female. The male was at loon family on the lake in order to chick was released on September least 14 years old this year (since receive better care.

Center," Andrea said.

headed to the lake to help reunite for a period of time. the young chick with its parents. "Loony behaviors on Waukewan The chick was put with its father this year!" Andrea concluded. (confirmed to be the correct loon by his bands) and was initially accepted back. However, the female of the pair soon entered the territory caring for one of the Photo by Tracey Pratt chicks from the neighboring ter-Lake Waukewan, both ritory. The grafted-on chick beknown mated loon pairs nested. gan attacking the young chick One pair hatched two chicks on again, and because it was several June 22. The second pair hatched weeks older, would likely have

leased to the ocean. It was re-Loon Preservation Committee leased at a small pond where the Senior Biologist John Cooley rehabber could keep an eye on it



Photo by Linda Heminway



"Soon, the newest chick was chick from Lake Winnipesaukee female is unknown.

On Winona, the single mated pair had an early hatch on June 15th. Two eggs were laid and incubated. During the week after the second hatch, one of the chicks was lost. It is not known what happened, only that it went missing approximately five days after hatch. The remaining chick has prospered, flying and selffeeding.

The Winona adult pair was banded in July of 2018. This pair has been confirmed each year since and the same pair has successful-

ly nested since then. Photo by Andrea Siani On Hawkins Pond, an adult pair The chick was taken to a wildlife was present but did not attempt 21 along with another rescued he was banded as an adult). The

P.O. Box 451, Meredith, NH 03253

Website: WWWPA.org

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed

٠

Keeping The Skies Dark to Protect the Watershed

By Catherine Greenleaf

Artificial night lighting is having a big impact on the health of our local watersheds, and it is not a positive one.

Nocturnal light pollution, or skyglow (as it is commonly called), is the result of overly bright, poorly targeted, improperly shielded, and often unnecessary commercial, industrial and residential lighting, according to the International Dark-Sky Association (IDA). The IDA is a non-profit organization that seeks to educate people about the adverse effects of light pollution on wildlife and ecosystems. Sadly, there is a 6% worldwide increase in night sky illumination each year.

Artificial night lighting alters the natural rhythms of reduce populations of insects. This, in turn, leads to day and night in or near forested habitats. Birds, starvation of birds, since insects are a bird's primamammals, pollinators, and amphibians like sala- ry protein source. manders and frogs are impacted because light dis- Excessive night lighting can also lure trees out of rupts food foraging, rest and sleep cycles, as well as dormancy far too early, leading to premature death, For example, toads and frogs emit their croaking the harshness of cold winters. This has a direct imsound in the evening to attract mates. If a wetland is pact on the health and longevity of forests in the waexposed to artificial light, this reduces the mating tershed. calls of amphibians, greatly reducing populations.

route and at their destination.

Many species of birds migrate at night, using the instead spend their time in confusion, flying into the moon and stars to lead them home. Millions of these artificial light in order to correct their internal navibirds die every year due to the confusion caused by gation system, leading to starvation and death. The outdoor illumination, which can lead them to fly into light can also cause them to revert to inactive roosturbanized areas and commercial buildings, as well ing behavior ordinarily reserved for the daytime, as misdirect them to regions with no food sources or leading to delayed or non-existent egg laying, retrees for roosting.

go photosynthesis. Night light also disrupts the vegetable crops, not to mention trees and native flowering times. The wrong flowering time can have they are generalists when it comes to pollinating monumental impacts on the insects that rely upon



Photo by Sharon O'Donnell

these blossoms for nectar and pollen and severely

mating and reproduction, according to scientists. since dormancy is what allows a tree to withstand

A moth's delicate life cycle is also impacted when Excessive nighttime lighting can lead to birds miss- subjected to light at night. Moths, arguably the most ing vital migration cues. As a result, birds can end valuable pollinator in any watershed, engage in up migrating too early or too late in the season, re- transverse orientation, meaning they constantly fly sulting in malnutrition and starvation due to being at an angle relative to a distant light source, usually out-of-sync with available food sources along their the moon. Artificial light causes these nocturnal insects to completely stop their feeding activity and sulting in diminished populations.

Many studies are showing that light at night also ad- Moths are very efficient pollinators. With their extra versely affects the growth of trees and plants, affect- -long tongues and hairy bodies, they can carry a lot ing the ways in which they absorb water and under- of pollen, and their work is vital to both fruit and growth of spring buds and interferes with normal perennial plants. In fact, some studies are showing

P.O. Box 451, Meredith, NH 03253

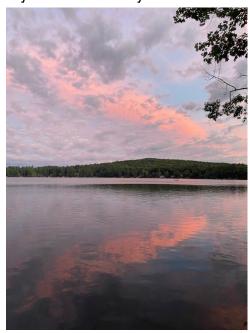
Website: WWWPA.org

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed

٠ •

It Means For Us by Linda Heminway



The New Hampshire's Department velop a bad habit. of Environmental Safety (DES) has We assess water quality in various when they recognized that their sample water throughout the At lake association meetings, perts suspect high levels of phosstate. We volunteers also com- VLAP volunteers give water quali- phorous. Property owners can municate testing results to lake ty reports. We also publish infor- help lower phosphorous levels. If residents at our lake association mation on our websites about you suspect cyanobacteria on meetings and online.

program's founding, and over the well as wildlife. years, improved equipment, new As for our watershed's testing re- https://www.des.nh.gov/water/ assessment of our lakes pretty areas worsening, some improv-

each summer, volunteers go out can access the state VLAP reportin boats to sample various places ing system at www.des.nh.gov/ in our lakes using sterilized water/rivers-and-lakes/volunteerequipment and bottles provided assessment-programs to see your by the DES. We use an important lake as well as other bodies of wapiece of equipment called a ter. Up to date information is at Kemmerer bottle for deep water your fingertips. sampling. These bottles are When we provide lake residents propped open, "sender" (weight) is sent down to ity and what impacts it, we help a certain depth where the bottle them recognize their actions are will close, taking samples from impactful, good and bad. various depths. Another valuable One time while fellow volunteer tool is called a Secchi disk, which Pam Hunt and I were getting samis lowered on a calibrated line to ples from a stream, a resident apassess visibility. Volunteers not proached us to see what we were only collect samples but report on doing. We had a chat about how wildlife, weather conditions, and various things were impacting our other factors. Every other year, a water quality. We came back a biologist will come to our respec- few days later with printed matetive lakes and go out with us to do rial for this person to read and of-Photo by Sharon O'Donnell sampling. We are trained and re- fered no judgment, just infortrained, as it might be easy to de- mation. Ultimately, this person

run a program called the Volun- spots, especially tributaries. closeness to the stream might be teer Lake Assessment Program Sometimes a certain area where hurting the lake. When people (VLAP) since 1985. This program water flows into our lakes impacts understand and learn, that is the provides our state, lake associa- their water health. In some cases, objective. tions, and residents with im- E. coli and phosphorous come in Many lakes in our area have had portant information about our wa- from a septic system uphill, or dangerous cyanobacteria blooms ter health. Without the help of even from animal waste. We that prevent people and pets from dedicated volunteers, there watch these levels carefully, also being able to swim. While we are wouldn't be enough manpower to checking where water flows out.

things we all can do to help our your lake, VLAP volunteers are Times have changed since the water stay clean and safe for us as equipped with sample bottles and

testing capability and increased sults, some of the news is good healthy-swimming/harmful-algalcomputerization have made the and some is bad. We see some blooms for photos as well as in-

Water Quality Testing and What high-tech. Two or three times ing, and some holding stable. You

and a with information about water qualupgraded their septic system

> not 100% sure of the cause, exresources. Please also refer to

P.O. Box 451, Meredith, NH 03253

Website: WWWPA.org

٠

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed

٠

WATER QUALITY - Continued from page 6...

blooms.

What can one person do about it? I've learned there If you ever want to do more to improve our lakes' is a lot that one can do. If you care enough, you water quality, you would always be welcome to make the time.

So, what can you do to help?

drain. Even the best septic system will ultimately tist, can learn a great deal. The staff at the DES is alleach into our lakes. Maintain that system impecca- ways there to address questions and can clarify rebly: pump it more often than recommended and re- ports that someone might find overwhelming. For place older septic systems. Septic system mainte- me, being part of our lake's water quality committee nance is probably the best thing any lake resident has increased friendships with other people on our can do.

and soap, cleaning products, laundry products, It has been very rewarding. and even sunscreen carefully, as they are very If you have any questions, just ask VLAP volunteers important to 3. When you do yard work, don't sweep leaves and have an answer, we'll get one for you!

DARK SKIES — Continued from page 6...

tendency to pollinate only se- home. lect plants or species. Overall, Providing an enclosure for trees.

HOW TO HELP:

ing, especially spotlights and Search IDA's database for floodlights. If you must use products that minimize glare. some form of lighting, use only Advocate for a lighting ordimotion-activated lights and nance in your town and push aim the light straight down to- for motion-sensitive street ward the ground. Another op- lighting. tion is to light the path to your Talk to family, friends and home with low-glare solar neighbors about reducing lamps.

There is little data to support **Get involved** in protecting the the idea that outdoor lighting night sky by contacting the prevents crime. In fact, studies International Dark-Sky Associshow criminals are extremely ation at <u>darksky.org</u>.

savvy when it comes to figurand are better at their jobs ing out which lights are left on than honey bees, who have a to make it look like you are

.....

reduced populations of moths outdoor bulbs greatly reducleads to large-scale reductions es their attraction to moths. in native plants, shrubs and Again, aim the bulbs straight downward.

When buying lighting, look Remove any unneeded light- for the IDA seal of approval.

light pollution.

grass clippings into the lake, as doing this ultimately adds to the water phosphorous levels.

structions. Lawn and agricultural fertilizers and sep- 4. Upgrade your property: watch for areas of storm tic tank overflows can trigger these unhealthy water runoff and implement recommended ways to prevent this.

come along when volunteer residents go out on your lake to sample. We love when new people get in-1. Be mindful about what you put down your volved. Even someone like me, who is not a scienlake who I wouldn't have known if it were not for our 2. Choose personal toiletry items like shampoo mutual interest in making sure our lake stays clean.

our lakes and wildlife. like me and we will be happy to help. If we don't



Photo by Sharon O'Donnell

P.O. Box 451, Meredith, NH 03253

Website: WWWPA.org

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed



Herbicide Information Session By Deb Finch

On September 21, 2022, the WWWPA co-hosted a public information session with the NH Electric Co-op (NHEC) regarding the selective use of herbicides in powerline rights-of-way. A panel discussion was led by Seth Wheeler, NHEC Communications Director. The four panelists included NHEC Arborists and representatives of Vegetation Control Service (VCS), NHEC's licensed contractor that applies approved herbicides under the supervision of NHEC Arborists. Wheeler also introduced new NHEC President and CEO, Alyssa Clemsen Roberts. The panel provided information on the rules and guidelines regarding herbicide treatments and their impact on local ecology. Questions were taken during and following the presentation.

The panelists explained in detail the restrictions, procedures, and materials being used for spraying. They acknowledged the need for

strict controls and informed the additional certifications and eduvegetation being sprayed. Hard- presented and response to audiwoods are the primary vegetation ence questions. they look to suppress, as they can Discussion took place regarding grow eight to ten feet or more a notification of homeowners, and year and cause problems in the the panelists explained they reach power lines. The arborists noted out to every homeowner on affectthat evergreens do not grow at the ed property, who are able to opt same pace and are not sprayed. out of the spraying program. If no NHEC currently trims under the one is at home, they leave a door power lines every ten years, with hanger with information on where a goal of lowering this to every to call. Panel members indicated eight years in the future. The pan- they would rather talk with a el members also explained that homeowner in person, as it allows federal regulations require them them to identify potential hidden to stay 250 feet away from bodies wells and wet areas on the homeof water and wetlands, and they owner's property, which are not will often determine that it is not always easy to locate. efficient to spray an area based on Attendees indicated they were land conditions and homeowner pleased with the presentation and requests.

ty measures and regulations in- formative manner. NHEC volved in spraying was clearly pressed a willingness to talk with explained. The spraying is done anyone who has concerns and by certified arborists and VCS would like to learn more about the employees who have undergone program.

Renovated Snake River Bridge Update

Text and bridge photo by Sharon O'Donnell The Snake River bridge re-opened on Thursday, October 13, 2022. The renovations began on May 31, 2022. The new bridge basically follows the previous footprint, with narrow curves that will slow traffic down for local fishermen and neighborhood walkers using the bridge. This provides additional safety for the citizens of New Hampton and Center Harbor.

The private construction company and the New Hampshire Department of Transportation worked diligently through the summer to renovate the bridge and maintain as much of the historic character as possible.

audience of their procedures for cation on the use and application determining where to spray and of herbicides. Their respect and the different types of application desire to protect the environment methods used depending on the was evident in the information

felt questions and concerns had A detailed description of the safe- been addressed in a clear and inex-

P.O. Box 451, Meredith, NH 03253

Website: WWWPA.org

Email: info@wwwpa.org

• • An Environmental Organization Protecting the Waukewan and Winona Watershed

Japanese Knotweed... Can Anything Be Done? By Deb Finch

Japanese knotweed continues to be a growing problem in the New Hampshire Lakes Region and in many states in the US. Knotweed is a highly invasive plant that shades and crowds out native plant species. It is also not a habitat or food source for native animals. Getting rid of it can be difficult and tedious, requiring numerous cutting/covering/ spraying activities. Knotweed control/eradication is particularly challenging around water sources, especially with the use of sprays.

According to the NH Department of Agriculture's article Preventing the Spread of Japanese knotweed, this plant can grow eight inches per day and its rhizomes (roots) can reach ten feet deep and extend horizontally underground for more than 40 feet. This makes it very difficult to remove. It can also A good way to remove small stands of knotweed is take root and spread using very small fragments to begin weekly cutting in the spring ensuring that only a half-inch in size. Therefore, cutting and dis- all parts and fragments of the plant are disposed of posing of knotweed must be carefully done to en- in tightly tied black plastic bags. Set these bags out sure you are not creating a problem elsewhere. For in the sun for a week prior to disposal. Weekly cutexample, cutting it and dragging it to another piece ting weakens the plant over time, however cutting of your property is almost guaranteeing the plant's alone will not kill the rhizomes. offers good information on tracking knotweed loca- is in bloom, as this is a preferred option for large tions and how to eliminate knotweed on your prop- stands. The plants expend a great deal of energy to erty.

Photo by Tracey Pratt





Photo by Deb Finch

spread. The Meredith Conservation Commission If no water source is nearby, spray after knotweed bloom. Spraying the flowering plants with appropriate weedkiller weakens the plant, resulting in less robust growth the following season when shoots begin to appear. Take precautions regarding the product used and manner of spraying, particularly around water sources. The Dept. of Agriculture should be contacted for proper method of control around water. Whatever method of control is used for small or large stands of knotweed, covering cut plants tightly with black plastic, so that air and light cannot penetrate, will smother new shoots and reduce re-growth. Expect to do this for a period of 2-3 years to ensure destroying the root system. It pays to be vigilant and re-inspect the treated area frequently.

> Special thanks to Janan Hays and Jim Gregoire for their assistance with this information.

P.O. Box 451, Meredith, NH 03253

•

٠

•

•

Website: WWWPA.org

٠

Email: info@wwwpa.org

An Environmental Organization Protecting the Waukewan and Winona Watershed

٠

٠

The Origins of the Snake River es which would last for weeks.

"Beaver Deceiver"

By Donald Thibeault

trapping was conducted, as many day or two. as eighteen beavers were report- Through some Internet research, I ciation (LWIA), I traveled to Mased to be removed in a single sum- discovered an engineer named sachusetts to meet with him and to mer.

seemed to be fewer beavers liv- trapping the beavers. He intro- steel mesh used to construct the ing in Snake River. However, the duced me to the "Beaver Deceiv- underwater chamber that collects beaver dam that spans the entire er." This cage-like device that he the water, two lengths of 15-inch width of the river remained in invented allows water to flow lined corrugated pipe and cinder place. This dam was especially through beaver dams, thus fool- blocks were all that was needed. disruptive at times when the re- ing the beavers from believing I constructed the chamber in my gion experienced high rain anything is thwarting their efforts driveway. Several Lake Winona events. The presence of the dam to hold back water. Because the residents helped to transport the severely restricted the outflow of chamber is below the surface of materials to the powerline over these rains, and the watershed the water at a significant distance the river. With the cage and pipe often filled the lake to flood stag- upstream, and the pipe is lined, afloat, we moved them to the

Photo by Ryan O'Donnell

Residents of Winona regularly Although he was unable to help us breached the dam in an effort to directly, he offered to help me to Snake River beavers have long allow the water to drain into get the materials and plans to been a concern of Lake Winona Waukewan. The beavers always build and install his beaver deresidents. In years past, when rebuilt the breach in a matter of a ceiver. With the support of the

Skip Lisle who was dealing with secure the materials we needed. During the 1980s and 1990s, there beaver situations like ours without In addition to the heavy gauge the beavers are not aware of the dam. We breached the dam. in-



flow.

Lake Winona Improvement Asso-

serted the pipe, then repaired the dam. The second length of pipe was attached to the first and to the cage and weighed down to settle at the bottom of the riverbed.

It has been a successful endeavor. The beaver deceiver keeps the flow of the river going constantly. And if there are beavers living there, they seem to be content. I have revisited the dam a couple of times, and the installation seems to be in good condition.

Who are the members of our board?

Sharon O'Donnell, Chair Lake Waukewan

Linda Heminway, Secretary Lake Winona

Bea Thibault, Vice Chair Lake Winona

Lew Sayers, Treasurer

Lake Waukewan

Deb Finch, Director Lake Waukewan

Peter Tallman, Director Lake Waukewan

Jeff Moody, Director Lake Waukewan

Catherine Greenleaf, Director Lake Winona

Copyright Notice: The contents of this newsletter are copyright of the owners of the content herein.