



Windy Waters Conservancy Newsletter

waukewan.org

Volume 25, No. 2

Dedicated to protecting and conserving the Waukewan watershed

Fall 2014

Snake River Update

Shortly after our spring newsletter went to press, a warrant article passed at New Hampton Town Meeting that imposed additional requirements on the educational improvements planned for the Baird tract. Following the sentiments of the warrant article, the New Hampton Board of Selectmen revisited the environmental assessment of the property and hired an engineering firm to develop additional data on the site.

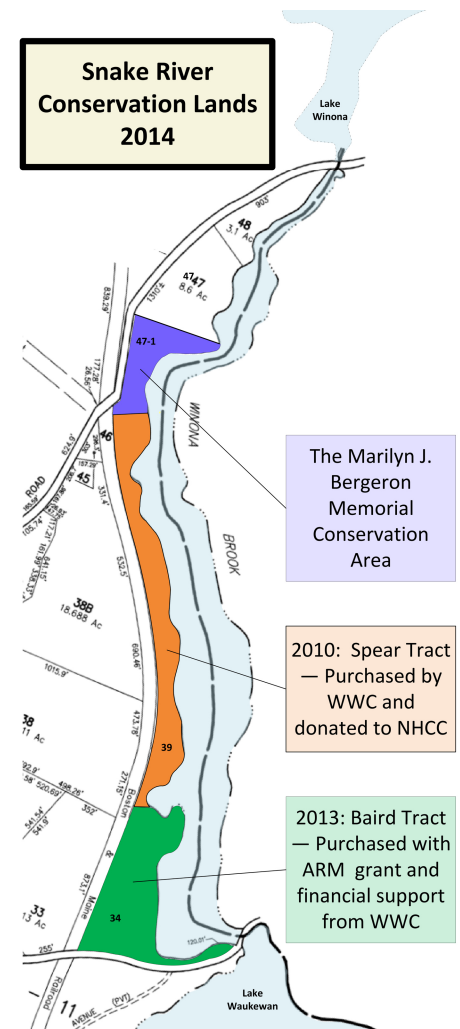
The assignment went to Right Angle Engineering, PLLC, of Grafton, NH where Erin Darrow, PE is the principal. Right Angle created a topographic plan, conducted wetlands delineation, obtained state approvals for locating access off Waukewan Road, and prepared a preliminary design.

After the resignation of several Board members when the New Hampton Board of Selectmen did not reappoint Ralph Kirshner as Chairman of the Conservation Commission, Dr. Daniel Moore, PhD and Professor of Management and administrator with Plymouth State University, volunteered to be Chairman and was appointed. The New Hampton Conservation

Commission has now reviewed and approved the preliminary plan for the Baird property. Dan is working with the Board of Selectmen to ensure town-wide representation and participation on the Conservation Commission.

In June the NH Department of Environmental Services Aquatic Resources Mitigation fund made the final payment to New Hampton for acquisition of the Baird property. The New Hampshire Electric Cooperative Foundation grant, which was awarded to Windy Waters Conservancy and is now on account with the New Hampton Conservation Commission, stands at a balance of \$7,000 with \$3,000 expended to date.

In the last newsletter, we reported that Don and Pat Bergeron filed an application to put wetlands on their residential property into current use. Upon review of that application, the New Hampton assessor concluded that there was a difference between wetlands as delineated in the survey and wetlands according to the definition for current use. The current use application was withdrawn until a corrected diagram of the current use wetlands can be prepared.



Volunteer Lake Assessment Program (VLAP)

Whether you are a "weekend" resident, a "seasonal" resident, or a "year around" resident of the NH lakes region, it is likely that you are very interested in the water quality of Lakes Waukewan and Winona. This article addresses the water sampling process and the current quality of our waters. It also provides a "do it

Continued on following page.

2104 Annual Meeting Presentations

Fogg Hill Wetland Acquisition

Don Berry, President of the Lakes Region Conservation Trust, described the recently acquired 192-acre Fogg Hill Wetlands property. An overview of the project may be found at lrct.org/land-conservation. At the end of the presentation, Chuck Braxton and Tony

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Our Mission

Our mission puts particular emphasis on protecting the water bodies and the boreal and wetland habitats in the Lake Waukewan Watershed and preserving the natural resources, ecology and scenic beauty of Lake Waukewan, Lake Winona, Bear Pond, Hawkins Pond, Otter Pond and Tuttle Pond and combating, or preventing air, water, noise and light pollution on or around the water bodies and associated wetlands in the watershed. Contributions are tax deductible.

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The name Windy Waters Conservancy™ (WWC) is the Business name of the Waukewan Shore Owners Association, a tax exempt charitable organization within the meaning of Section 501(c)(3) of the Internal Revenue Code.

VLAP — Cont'd from p1

yourself" website address so that you can check the state's information whenever you wish.

The Volunteer Lake Assessment Program (VLAP) starts the process of measuring water quality. At least two people on each lake take water samples in five locations at as many as three different depths, depending on the location. The normal depths are 2 meters, 9 meters and 15-16 meters. The samples are collected at the end of the months of June, July and August, as long as the weather is good.

After collection, the samples are put on ice and transported to Plymouth and then couriered to Concord for analysis.

The following table presents the measured data for both lakes.

For both lakes, the VLAP Reports for 2013

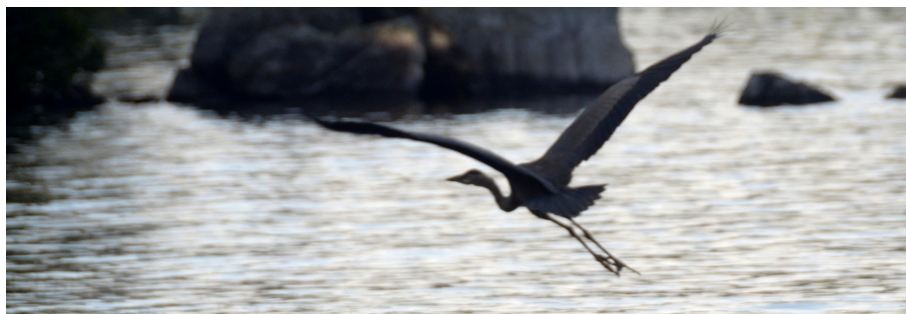
stated that winter road maintenance is the likely cause of the high conductivity levels. NH Department of Environmental Services recommended that road maintenance agents obtain NH Voluntary Salt Applicator licenses

2013 VLAP Average Water Quality Data for Waukewan and Winona

Property	Standard	Waukewan	Comment	Winona	Comment
Chloride	<230 mg/l	varies, < 20	Slightly elevated from normal	varies, <16	Stable, high variability
Turbidity (suspended matter)	<10 NTU above natural	varies, <0.86	Low	varies, <3.62	Relatively low
pH	6.5-8.0	7.14	Relatively stable	7.04	Relatively stable
Phosphorous	<8 ug/L	3	Less than median and decreasing	7	Stable, high variability
Chlorophyll a	<3.3 ug/L	1.33	Less than median, stable, measures algae	7.68	Stable, variable, high in 2013
Dissolved Oxygen	>6.0mg/L	about 8		about 8	
Flushing Rate (% of volume replaced/yr)		70%		210%	
Conductivity	40 uS/cm median	Varies, < 101	Better since 2003, but up overall	varies, < 77.8	Better since 2003, but up overall
Transparency	3.2M NH median	7.3	Better than median, stable	4.1	Better than median, stable

through the University of New Hampshire Technology Transfer Center's Green SnowPro Certification, and also recommended monthly chloride monitoring in both lakes at "major tributaries to the lake", commencing in the spring. The rest of our water quality statistics appear to be in very good shape.

For more information about VLAP, go to waukewan.org/vlap.



Great Blue Heron on Lake Waukewan

Doug Steele

Membership and Donations

Ever since our founding 25 years ago as the Waukewan Shore Owner's Association, we have worked to protect and preserve the quality of our beautiful lakes. It's your dues and contributions that have allowed us such great success with the Spear, Baird, and Bergeron properties, support for the Lake Host Program, the VLAP efforts, etc. Please renew your membership now so this success can continue. Our membership year is from January through December.

You may send your dues or donation check made out to "Windy Waters Conservancy" to: Windy Waters Conservancy, PO Box 91, Meredith, NH 03253. You may also pay your dues or make a donation on-line with your credit card via PayPal. You do not need to have a PayPal account to use PayPal. Go to waukewan.org and click on Membership or Donations.

Category	Amount	Operations Fund	Conservation Fund
Individual or Family (one vote)	\$50+	\$50	Balance
Protector	\$100+	\$50	Balance
Steward	\$250+	\$100	Balance
Conservator	\$500+	\$100	Balance
Life Member	\$1000+	\$250	Balance
Affiliate (Non-voting)	Donation Accepted		
Honorary	Donation Accepted		
Donations	Any	Specify	Specify
Unspecified Donation	Any	100%	0

Annual Meeting — Cont'd from p1

Sabutis presented Don with a check for over \$5000 as WWC's contribution to the Fogg Hill Wetlands project.

Waukewan and Winona Restoration Plan

Pat Tarpey, Executive Director of the Lake Winnepesaukee Watershed Association, described the overall project, its funding sources, and goals and introduced Don Kretchmer of DK Water Resources Consulting who presented the Lake Waukewan Watershed Survey Report. Links to the project and the report may be found on the WWC website, Waukewan.org on the 'Annual Meeting 2014' page.

Printing and distribution sponsored by Roche Realty Group, Inc., Meredith, NH
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