

2008-2009



*Protecting the integrity of
Crystal Lake, Benzie County, Michigan,
now and for the future.*

**2008 - 2009
MEMBERSHIP DIRECTORY**

**2008
ANNUAL REPORTS**



CRYSTAL LAKE & WATERSHED ASSOCIATION

Mission Statement

The Crystal Lake & Watershed Association is committed to protecting and improving the quality of Crystal Lake, by monitoring the water and surrounding environment, through effective action and leadership, thereby preserving the natural beauty of Crystal Lake for future generations.

Purpose

The purpose of the Association is to protect and promote the natural qualities of Crystal Lake and its surrounding Watershed. The goal of the Association is to preserve for future generations the beauty and recreational resources of Crystal Lake and its Watershed. To these ends, the Association will engage in water quality monitoring, educational programs, promotion of harmonious land development along with also promoting safe use of Crystal Lake. It will conduct such activities as needed to advocate and insure the continued aesthetic beauty and environmental integrity of the Lake and its Watershed.

Membership

The membership of the Association shall consist of all dues paying families (parents with children under age 21), individuals, organizations and businesses interested in preserving the environment and maintaining the quality of life in the Crystal Lake area.

2009 Annual Meeting

**Saturday, July 18, 2009
9:30 AM**

**Congregational Summer Assembly
Community Building**

CRYSTAL LAKE & WATERSHED ASSOCIATION

2008 – 2009 BOARD OF DIRECTORS

P – Primary Home S – Secondary Home B – Business C – Cell

OFFICERS

Terms expiring 2010

President

Ed Hoogterp P (231)882-4932
C (616)915-1553

Secretary

Susan Teteak P (608)291-0391
S (231)352-7527
C (608)312-9376

Terms expiring 2009

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Alan Appelhof P (231)882-4772
S (727)848-7824
B (231)882-9681

Treasurer

Bob Schmidt P (314)721-1266
S (231)352-7116
B (314)721-2255

MEMBERS AT LARGE

Terms expiring 2011

Jim Buzzell P (231)352-4465
S (231)352-7253

Doug Gibson P (231)882-7063

Jim Hooker P (231)352-4267

Bill Beck P (636)532-1447
S (231)352-9589

Wanda Shreiner P (239)466-5363
S (231)352-7273

Terms expiring 2010

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Stacy L. Daniels P (989)835-5593
S (231)352-7043

Elizabeth Hill P (231)352-6018

Phil Meek P (231)352-4126
S (203)868-8721
S (561)603-1627

Hugh Walton P (231)882-9812
B (800)968-7686

Terms expiring 2009

Susan Kirkpatrick P (231)352-6434
C (734)223-8832

Jim Laarman P (231)352-5328

EX-OFFICIO

Bob Appleford P (231)352-9206

ADMINISTRATIVE SERVICES

Karen Dennis B (231)882-4001



THE CRYSTAL CIRCLE

The Crystal Circle Award was established to honor permanently those who have contributed in a most generous way, their time, talents and/or financial support in an outstanding manner that has made a difference in the well being of Crystal Lake. Members of this Circle are selected by the Board of Directors of the Crystal Lake & Watershed Association in gratitude for their commitments to the Association which has provided our ability to continue the work of protecting Crystal Lake for the enjoyment of future generations.

Crystal Circle Awards

Mr.* and Mrs. Carl W. Albright
Kim Albright and Michael Dow
Mr. And Mrs. Marquard J. Anderson*
Carl and Betsy Anderson
Ken and Vivian Baker
Douglas and Patricia Bard
Gretchen and Bruce Bieneman
A.Y. and Jackie Bingham
Dr. and Mrs. Harry H. Blecker
Theodore and Suzanne Bosler
Thomas H. and Susan E. Cobb
Congregational Summer Assembly
Dr. Stacy and Carol Daniels

William and Charlotte Decker
Herbert H. and Barbara C. Dow Foundation
Wallace and Jean Edwards
Henry R. and Jackie Fett
David and Juli Grainger
Clifford and Mary Dee Graves
Dr. James and Leslie Hamp
Steven and Sheila Hamp
William W. and Dorothy L. Houghton
Richard and Rusty* O. Lewis
Joyce H. Markey
John C. Markey Charitable Fund
Philip J. and Nancy J. Meek
Kimball and Louise F. Morris
Margaret and Walter R. Nelson
Ron and Marilyn Renner
Gerald F. and Susanne Schroer
Charlene Seabury*
Charles Seabury
Seabury Foundation
Kathryn J. and Howard M. Simpson
Rolf and Kathy Stadheim
Willard III* and Janet Webb (Barber)
Elmer Gilbert and Dr. Lois Verbrugge

**deceased*

PRESIDENT'S REPORT

What a year it's been!

Your Crystal Lake & Watershed Association continued to grow into our mission of protecting the lake for the enjoyment of present and future generations.

As you will see from committee reports on the following pages, we are continuing with successful programs, while seeking new ways to address issues that have so far eluded solutions.

Our water-quality experts are finding ways to better report the results of the extensive testing conducted each year. The Swimmer's Itch committee is talking about promising developments with researchers from as far away as Germany and Israel. The education and communications committee continues the popular Crystal Lake Walkabout, and is working to improve our publications and website.

In the coming year, our goals are to keep growing, but more importantly to strengthen our role as stewards of the wonderful resources of the lake and surrounding watershed.

In this effort, we continue to benefit from our location in a community that is home to so many smart, educated and committed people.

New Board members Wanda Shreiner, Bill Beck and Jim Hooker have been valuable additions. Wanda has taken over the responsibilities as membership chair. Bill is a trained scientist who is heading our water-quality committee. Jim is a retired teacher and an avid fisherman who has added immeasurably to our understanding of the piscatorial life below the whitecaps.

Bob Appleford "retired" from the CLWA presidency after two full terms, but we haven't let him get away. He continues to serve as an ex-officio board member,

and as a member of the public access and financial development committees.

We note the retirement or resignation in 2008 of several Crystal Lake board members and supporters who played important roles in the protection of the lake and development of the Crystal Lake & Watershed Association:

- Peggy Burns-DeLoria, who brought a professional touch to our fund-raising;*
- Jay Pettitt, a long-time active member of the Board of Directors*
- Ron Renner and Bill Decker, past presidents of the Crystal Lake Association and the Crystal Lake Watershed Fund, respectively, who completed their terms as "ex-officio" members of the Board.*
- Kathryn Simpson, who shepherded our membership procedures into the 21st Century.*

To them, and all who have been active in this important work, we can simply say: Thank You! As we go through something of a generational change, the association is especially in need of active, energetic people who can help lead us through the coming decades. The Nominating Committee is at work recruiting outstanding individuals for board vacancies in the summer of 2009.

Anyone with such an interest is encouraged to contact either myself or Nominating Committee chair Tom Clare.

On a personal note, since taking over the CLWA presidency at the 2008 annual meeting, I've fallen even more deeply in love with this lake and this community. I believe that by working together we really can preserve the many good things that we have, while improving the few things that are not-so-good.

Ed Hoogterp, President



2008 TREASURER'S REPORT

We ended 2008 in a strong financial position. Our net equity increased to \$100,983 from \$84,485 in 2007. Most of our reported equity is from our Endowment Fund balance. We chose to invest these monies conservatively. We did not lose money in the financial market turmoil, a pleasing item to report.

2008 revenues exceeded expenses by \$25,190. We conducted our financial development activities successfully without needing the special appeals like the prior year. Now is a time to build. Your

association is quite efficient in that your contribution dollars are largely meeting "it's about the quality of the water and the things that affect it" without much overhead of paid staffing. Special commendations to Karen Dennis and her Day Bookkeeping for helping that happen. We should also be proud of our spirit of volunteerism that achieves so much.

Thank you for your generosity. Please help us to meet our 2009 obligations and retire our \$20,000 note.

R. C. Schmidt, Treasurer

CRYSTAL LAKE & WATERSHED ASSOCIATION

FINANCIAL STATEMENTS

BALANCE SHEET December 31, 2008		
Assets		
Bank Balances	\$24,138.00	
Endowment Balances	\$96,899.00	
TOTAL ASSETS		\$121,037.00
Liabilities		
Due To Endowment	\$-	
Accounts Payable - 2020	\$-	
Note Payable - 2020	\$20,000.00	
Payroll Liabilities	\$54.00	
TOTAL LIABILITIES		\$20,054.00
Fund Balances		
General Fund	\$(7,218.00)	
2020 Vision Fund	\$11,302.00	
Endowment Fund	\$96,899.00	
FUND BALANCES EQUITY		\$100,983.00
TOTAL LIABILITIES & EQUITY		\$121,037.00

OPERATING STATEMENT January 1 - December 31, 2008			
	2008	2007	
Revenue			
General Fund	\$48,379.00	\$68,092.00	
2020 Vision Fund	\$53,024.00	\$93,074.00	
Endowment Fund	\$4,795.00	\$5,717.00	
TOTAL	\$106,198.00	\$166,883.00	
Expenses			
General Fund	\$32,479.00	\$65,807.00	
2020 Vision Fund	\$48,529.00	\$64,038.00	
Endowment Fund	\$-	\$-	
Due to Endowment	\$-	\$(1,770.00)	
TOTAL	\$81,008.00	\$128,075.00	
NET	\$25,190.00	\$38,808.00	
<i>Accountant Year End Adjustment</i>		<i>\$(9,561.00)</i>	



BOATING SAFETY

A message from Sheriff Rory Heckman

The Benzie County Sheriff's Office and Michigan Department of Natural Resources are responsible for boating safety on Crystal Lake. As a lake resident I share many of the same concerns for the lake as all of you do. Today I will attempt to briefly address some of the top law enforcement complaints reported from Crystal Lake residents to the Sheriff's Office.

PERSONAL WATERCRAFT (PWC)

No one under the age of 12 may operate a PWC legally. Those 12 and 13 years of age may operate a PWC legally only if they have obtained a boating safety certificate and they are accompanied solely by their parent or legal guardian upon the PWC equipped with a lanyard-type ignition safety switch and the parent has the lanyard attached to their person and the PWC is designed to carry at least two persons.

Those 14 years of age or older may operate a PWC legally only if they have obtained a boating safety certificate.

Remember, no power means no steering control. If the engine is returned to idle or shut off during operation, you lose all steering control. The PWC will continue in the direction it was headed before the engine was shut off, no matter which way the steering control is turned. A PWC has no brakes. Always allow plenty of room for stopping. Every year there are injuries as a result of PWCs striking docks.

Every operator and passenger of a PWC must have on a personal flotation device or (PFD).

Take extra care when fueling a PWC in or near the water. Oil and gasoline spills are very detrimental to the aquatic environment. Fuel on land if possible.

SAFE BOATING

Excessive noise from boaters should be avoided especially early in the morning. It is illegal to tow a person on water skis, surfboards, or any device of this type between one hour after sunset and one hour before sunrise if towed behind a boat, or one hour before sunset and 8:00 a.m. if towed behind a PWC.

A person being towed must stay at least 100 feet away from, any moored or anchored vessel, a dock or raft, any marked swimming area or person(s) in the water.

These are just two of the top concerns expressed to law enforcement officers. Remember to always wear your PFD when operating or riding on a PWC and when water skiing. Have a safe summer. Enjoy the lake and be a good steward of the lake as it is a resource we all have to protect.

Rory Heckman, Benzie County Sheriff

CRYSTAL LAKE & WATERSHED ASSOCIATION

2008-2009 STANDING COMMITTEES/AD HOC COMMITTEES

Executive Committee

Ed Hoogterp
Alan Appelhof
Susan Teteak
Bob Schmidt
Stacy L. Daniels
Phil Meek

Education and Communications

Publications & Walkabouts
Stacy L. Daniels, Chair
Anne DeVries
Bob Schmidt
Ed Hoogterp
Corey Bechler

Financial Development

Annual Appeals, Endowment,
Fundraising, Grants, Membership,
2020 Vision Fund
Ed Hoogterp, Temp. Chair
Wanda Shreiner, Membership
Alan Appelhof
Phil Meek
Bob Appleford
Susan Teteak
Elizabeth Hill

Water Quality

Aquatic Species,
Shoreline Management,
Water Monitoring
Bill Beck, Chair
Doug Gibson
Stacy L. Daniels
Elizabeth Hill
Jim Laarman
Bill Decker

Zoning and Land Use

Benzie Co. Zoning, Road Safety,
Water Safety
Hugh Walton, Chair
Tom Clare
Alan Appelhof
Ed Hoogterp

Nominating Committee

Tom Clare, Chair
Stacy L. Daniels
Elizabeth Hill
Phil Meek
Hugh Walton

Finance

Bob Schmidt, Chair
Jim Buzzell
Jim Martin
Rick Morris, Insurance

2009 Ad Hoc Committees

Public Access
Bob Appleford, Co-Chair
Ed Hoogterp, Co-Chair
Ron Renner
Bob Schmidt
Susan Teteak
Stacy L. Daniels
Tom Clair

Green Explorers/Betsie Trail Garden

Karen Dahman, Chair
Elizabeth Hill
Mike Brougham
Racquel Huddleston

Long-Range Planning

Alan Appelhof, Chair
(All current Committee
Chairs serve as members)

Shoreline Stewardship

Elizabeth Hill, Chair
Susan Kirkpatrick
Carolyn Thayer

Swimmers' Itch/ Invasive Species

Jim Laarman, Chair
Jim Hooker
Susan Kirkpatrick
Scribner Sheafor
Susan Teteak
Lois Verbrugge
Charlie Kinzel
Hadley Boehm
Terry Herban

**Would you like to be on
a CLWA Committee ?**

Please contact us!



EDUCATION AND COMMUNICATIONS COMMITTEE

The Education & Communications Committee promotes public education on watershed management through our website, our newsletter, the Membership Directory with annual reports, the "Walkabout" interpretive manual; watershed handbooks; and issue papers. We promote stewardship of the Crystal Lake Watershed through education of members, students, and the public.

The Crystal Lake "Walkabout", an educational program for students, property owners, and visitors, uses a "hands-on" approach and a common hydrological theme to address water quality, land use and zoning, and environmental stewardship issues within the Crystal Lake Watershed. Participants "walk-about" Interpretive Sites within the Watershed: the Lake, and its tributaries, wetlands, dunes, and high ridges, which are described by environmental professionals from the CLWA and cosponsoring organizations. The "Walkabout" Interpretive Manual is at http://www.clwa.us/educ_comm.htm#EDUCATION. Since 1994, the "Walkabout" has been presented to over 3,500 participants. It became a biennial event in 2002 for all 5/6th- and 7/8th-grade students in Benzie County. Two events are being planned for 2009: Spring (5/6th grade) and Fall (7/8th grade). New Interpretive Sites are being considered in the fall at Round Lake and the Hurdman's Bay overlook. Special thanks to the cosponsoring organizations, the Site Interpreters, and other volunteers, and the dedicated teachers from Benzie Central Schools and Frankfort-Elberta Area Schools, who incorporate watershed themes into their curriculums, and the students themselves who make the "Walkabout" worthwhile.

The CLWA website www.CLWA.us contains a wealth of information about the Crystal Lake Watershed, FAQs and maps, the CLWA, Committee activities, concerns & issues, a calendar of events, references, annual reports, newsletters, and other publications, and links. We continue to add new links and updates.

The CLWA newsletter, Crystal Whitecaps (published Fall/Winter & Spring/Summer) is posted at <http://www.clwa.us/references.htm#Newsletters>. In 2009 we will be continuing to create two interactive models of our Watershed to use in traveling displays and at permanent locations. A special feature will be the recreation of "The Tragedy of Crystal Lake", when in 1873 the historic lake level was artificially lowered thereby creating the present-day sandy beaches around the Lake. Corey Bechler, Art Teacher at Benzie Central Middle School and his students will be adding features to the model this winter.

With the capable assistance of Emily Baker and Molly Walton, our two 2008 Summer Interns, we conducted an aquatic plant mapping study and increased the presence of the CLWA at six summer events. We also created a display for the CLWA at the Annual Meeting of the Michigan Lake & Streams Associations. These opportunities allowed us to respond to public concerns and to educate residents and visitors on issues facing our Watershed which include: public access, swimmer's itch, shoreline stewardship, the Crystal Lake Watershed Overlay District, and watershed management planning.

Stacy L. Daniels, Chairman

Committee Members: Karen Dahman, Ed Hoogterp, Ann DeVries, Bob Schmidt, Corey Bechler.

WATER QUALITY COMMITTEE

The Water Quality Committee is the CLWA's vehicle for monitoring the quality of the water in Crystal Lake and its watershed. Water quality parameters are measured; areas of concern, identified; and remedial or preventative measures are recommended.

The quality of the water in Crystal Lake continues to be very good. Currently, issues of concern are invasive species, and swimmer's itch. The committee helps coordinate the CLWA's efforts in these areas. In 2008, the CLWA conducted a plant mapping of Crystal Lake, with the help of our summer interns, Emily Baker and Molly Walton, and other CLWA volunteers. Project oversight was provided by Dr. Jo Latimore, Outreach Specialist in the Department of Fisheries and Wildlife at MSU, as part of the Cooperative Lakes Monitoring Program (CLMP) of Michigan Lake and Steam Associations (ML&SA) with MDEQ.

The study confirmed previous findings obtained in 1996. Most of the near-shore plants were native species common to most lakes in northwestern Lower Michigan, but both northern watermilfoil (a native species) and Eurasian watermilfoil (an exotic species) were also identified.

We will continue to monitor the infestation of Eurasian watermilfoil, which was localized in rather dense patches near the boat launch in Beulah where it does not appear to be an immediate threat.

Chemical treatment or physical removal would be difficult, given the size of the lake.

The study was summarized in a poster session at the 4th Annual MiCorps Conference. For details of the study, see http://www.clwa.us/water_quality.htm#Biomonitoring

The Benzie Conservation District (BCD) has, in the past, carried out the monitoring activities using CLWA equipment. (The equipment has also been used by the BCD to monitor water quality of other waters in the county.)

Because of staff reductions at the BCD, they will no longer provide the manpower for this monitoring. Other resources for this important activity are being pursued.

Benzie County's Drain Commissioner has been planning an effort to deal with the impact of Cold Creek on the lake. The CLWA has communicated its interest in aiding in that effort.

Bill Beck, Chairman

Committee Members: Doug Gibson, Stacy Daniels, Elizabeth Hill, Jim Laarman, Scribner Sheafor.



FINANCIAL DEVELOPMENT

Our 2008 fundraising and membership campaigns were encouraging, despite the economic downturn that resulted in difficult times for all non-profit organizations.

Annual membership dues remain at \$35 (\$70 for a couple) despite rising costs for printing, mailing and many other expense items. The majority of members voluntarily increase their contributions above the minimum level.

A special "Non-Event" fund raiser in the summer brought in more than \$10,000. That, along with generous contributions in the spring and fall membership campaigns, helped CLWA meet our expenses. As Treasurer Bob Schmidt reported, we also were able to reduce our remaining debt from the expensive Boat Launch litigation.

Our major goals for 2009 are twofold: To maintain and expand our strong membership base; and to rebuild a reserve in the 2020 Vision Fund, which is designed to pay for special projects to address water quality and other important issues.

We also hope to develop a long-term strategy to increase the CLWA endowment fund, which could guarantee long-term stability to programs to protect Crystal Lake.

The committee notes that our long-time anchor, membership chair Kathryn Simpson, retired from the

board in 2008. We acknowledge and appreciate her many years of service.

CLWA exists only through our members' generous contributions. Please accept our continuing thanks for all that you do to preserve and protect this wonderful resource.

Ed Hoogterp, *Temporary Chair*

Committee Members: *Alan Appelhof, Bob Appleford, Elizabeth Hill, Phil Meek, Weezie Morris.*

ZONING COMMITTEE

The Zoning and Land Use Committee oversees CLWA's activities in support of wise local land use, in addition to traffic and marine safety.

As in past years, we approved funding in 2008 for expanded Sheriff's patrols to control speeding on roads around Crystal Lake.

The Committee and the CLWA Board of Directors approved a donation for special rescue suits that will allow Sheriff's marine patrol officers to work in ice or cold-water situations. The garments will be available for the officers to use on Crystal and other Benzie County lakes.

The committee also has been assigned to monitor development of the Sleeping Bear Dunes National Lakeshore's Benzie Corridor, which runs along the ridge above the north shore of Crystal Lake. The National Lakeshore last year approved a General Management Plan calling for eventual development of a road or trail along the ridge. CLWA testified in favor of the plan, so long as environmental issues and views from the lake are respected. Under rules passed by Congress, the park service can acquire land in the corridor only from "willing sellers."

The Zoning and Land Use Committee will continue to work with Benzie County officials, who are updating the county's Planning Commission ordinance, as well as portions of the zoning ordinance.

The Crystal Lake Watershed Overlay District provides special zoning rules designed to protect the lake and watershed from potentially destructive land uses. We are supporting changes to strengthen that portion of the ordinance, especially as it relates to unnecessary cutting of vegetation and building on steep slopes.

Hugh Walton, Chairman

Committee Members: Ed Hoogterp, Alan Appelhof, Tom Clare.



AD HOC COMMITTEES

SWIMMERS ITCH AND INVASIVE SPECIES COMMITTEE

The committee was formed several years ago to address these serious threats to the enjoyment and ecology of Crystal Lake.

Swimmers Itch is caused by a parasite that infects both waterfowl and freshwater snails during their complex life cycle. At one stage of their development, the tiny, nearly transparent critters exit their snail hosts and swim or float free in shallow water, where they must encounter the proper species of bird to complete their life cycle.

If the pests encounter a human swimmer, instead of a bird, they may attempt to burrow into the skin, causing swelling and intense itching in susceptible people.

Past research funded by the Crystal Lake Association identified the common merganser as the primary warm-blooded host for the parasite.

Swimmers Itch is especially common in clean-water northern Michigan lakes. So far, no control method has proven to be completely successful. Property owners may reduce the problem by discouraging mergansers from feeding or nesting near swimming areas.

In a promising development, committee members are in contact this year with domestic and European researchers who have developed topical creams (similar to waterproof sunscreens) that appear to be effective in preventing the itch in humans. We are working to determine the necessary steps to test the European formulations here.

Also in 2009, a CLWA intern will be assigned to assist with biological work and surveys to help determine the prevalence of the problem.

In the meantime, lake users are advised to follow common-sense steps that can minimize exposure to the itch. Those steps include leaving the water regularly to towel off, and swimming in deeper water when possible.

Anyone who encounters Swimmers Itch is invited to report it to the "Hotline," 352-5328.

The problem of invasive species in and around Crystal Lake has become more evident with each passing year.

The current CLWA focus is primarily on the Garlic Mustard terrestrial plant, the Eurasian milfoil and algae aquatic plants, and on the zebra mussel. Other unwanted pests, which have not yet invaded Crystal Lake, include the sea lamprey, the round goby and the quagga mussel.

We use the five phases of engineering to study invasive species: Gather data; educate; make decisions; take action; and monitor results. We are concerned that additional invasive species could possibly enter the lake through the MDNR boat launch.

Jim Laarman, Chair

Committee Members: Jim Hooker, Hadley Boehm, Terry Herban, Susan Kirkpatrick, Charlie Kinzel, Scrib Sheafor, Susan Teteak, Lois Verbrugge.

THE GREEN EXPLORERS CLUB AND GARDEN OF POSSIBILITIES

All elementary-aged children older than six in Benzie County were invited to be part of the Green Explorers Club this past summer. The class began June 23 with the planting of The Garden of Possibilities, a rain garden, alongside the Betsie Valley Trail Depot in Beulah.

Made possible by a \$1500 grant from Friends of the Trail and wonderful community support, the rain garden is designed to clean up run off water about 98% before it enters a storm sewer, lake or river. The garden boasts a fence, three large landscape rocks, a state of the art birdhouse, a beautiful sculpture, and a two-sided sign, as well as lots of native plants and grasses.

Great appreciation is due: Gillison Excavating; Frankfort Building Supply; Dean Chamberlain, builder; Kevin Short, sculptor; Bayside Printing; Benzie Conservation District; many plant contributors; Lakeshore and Periwinkle Garden Clubs; and all the children and families who showed up to help.

Establishing the garden was followed by a series of six children's classes, covering many topics concerning water, with the use of hands-on activities and experiments. The children learned about stream order, confluence, meandering, calculating water speed, slow and fast stream characteristics, topographic maps, watersheds, wetlands, turbidity, use of electronic microscopes, water invertebrates, and exotic invasive species.

Karen Dahman, trained by National Geographic, and Jean Ulen, experienced elementary teacher, were aided by: Johnathon Royer, DNR wetlands specialist;

Carl Freeman, local birder, dragonfly researcher, and artist; Dr. Elizabeth Hill, water biologist; Brett Fassell, biologist for the Grand Traverse Tribal Band; and Raquel Huddleston, Advanced Placement science teacher at Benzie Central High School.

Class attendance was always good, with a balance of year-round and summer children. Knowledge retention, tested weekly was very high. Not only new learning, but also new friendships were fostered.

SHORELINE STEWARDSHIP

The Shoreline Stewardship Committee works with the Benzie Conservation District and other local volunteer organizations to educate property owners about the benefits of natural settings and a diversity of native plants on the waterfront.

In addition to being beautiful, deep-rooted native plants help to stabilize the shoreline and keep sediments and nutrients from entering the lake. Unlike green lawns, the native plantings thrive with little or no fertilizer. These are important factors in maintaining the quality of water in Crystal Lake.

The Committee provides an annual award to a property owner who uses native plants to beautify and benefit the shoreline ecology. The 2008 award went to the Rose Baker family, for conserving the native habitat on a narrow strip on their waterfront on South Shore.

Elizabeth Hill, Chair

Committee Members: Susan Kirkpatrick, Carolyn Thayer.



THANK YOU

The Crystal Lake & Watershed Association extends its very special thanks to all who have so generously given their financial support to our organization during 2008. The following list recognizes all who gave \$50 or more from January 1 through December 31, 2008. All gifts, regardless of size, play a significant role in helping to preserve Crystal Lake and the surrounding areas.

2008 BENEFACTORS (\$2,500 and up)

Rolf & Kathy Stadheim

2008 SPONSORS (\$1,000 to \$2,499)

*Carl & Betsy Anderson
Robert & Molly Appleford
Douglas C. & Patricia A. Bard
Naomi T. Borwell
Nancy G. & Michael Burgermeister
William & Anne Burleigh
Janet & Robert Condon
Greg & Lisa Deeds
David W. & Juli Grainger
Steven & Shelia Hamp
Lee & Lucie Keating
Richard & Rusty Lewis
David & Ellen Petrick
Thomas & Susan Teteak*

2008 PATRONS (\$500 to \$999)

*Diane E. & Everett M. Chambers
Peter C. & Peggy Dendrinis
Henry R. & Jackie Fett
William W. & Dorothy L. Houghton
David Jencks
George P. & Patsy Lindner
Josephine Marquis
Philip J. & Nancy J. Meek
Kimball L. & Louise F. Morris
John & Marilyn P. Murbach
Charles W. Seabury*

Betty Walton

Robert E. Wangard & Helen

2008 DONORS (\$250 to \$499)

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Mrs. Edmund Brownell
Margaret Burrows - Le Grand
Eric & Kelly Buth
David & Valerie Canter
Chimney Corners Resort, Mary Rogers
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Ellen J. Dehm & Catherine Alder
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Russell & Jane Gesme
Dr. James & Leslie Hamp
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Ruth Reeve
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William & Sarah Seidman
Lowell & Ellen Shaw
Charles Sheldon
John & Suzanne L. Smucker
William E. & Mary M. Todt
Catherine L. Webb, M.D.
Dr. Dale & Barbara Wentzloff*

CRYSTAL LAKE & WATERSHED ASSOCIATION

2008 CONTRIBUTORS (\$100 to \$249)

Robert & Mary Ackerman
Kim Albright & Michael Dow
Alan & Joanne Appelhof
Frances Armstrong
David L. & Sharon Arthur
John A. & Nancy Ashton
Fred & Jean Auch
Rose Baker
Bonnie M. Barnes
James M Bayles
David & Sara Belknap
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Elisabeth Case
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Congregational Summer Assembly
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Tom & Judy Croxton
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Dr. Stacy L. & Carol Daniels
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*The Crystal Lake & Watershed Association
respectfully acknowledges these gifts of thoughtful
appreciation in honor of those who love Crystal Lake.*

In Honor of B. Gibson & C. McKinley

Lucy A. Gibson

In Honor of Betsy Anderson 60th Birthday

Carl T Anderson

In Honor of Mark Anderson

Carl T Anderson

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In Honor of Reid Family

Robert E. Wangard & Helen

CRYSTAL LAKE & WATERSHED ASSOCIATION

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In Memory of Shirley Bishop

Chimney Corners Resort, Mary Rogers

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In Memory of Clark Cooper

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2009 CALENDAR

<http://www.clwa.us/calendar.htm>

CLWA EVENTS

- | | |
|---------------------|--|
| May 20 | <i>Spring Crystal Lake "Walkabout"</i> |
| May 30 | <i>CLWA Board Meeting</i> |
| June 27 | <i>CLWA Board Meeting</i> |
| July 18 | <i>CLWA Annual Membership Meeting, 9:30 a.m. CSA</i> |
| August 6 | <i>CLWA Board Meeting</i> |
| September 12 | <i>CLWA Board Meeting</i> |
| October | <i>Fall Crystal Lake "Walkabout"</i> |

COMMUNITY EVENTS

- | | |
|---------------------|--|
| June 20 | <i>Spring Craft Fair, Frankfort</i> |
| June 20 | <i>Solstice Festival, Elberta</i> |
| July 4 | <i>Independence Day events, Beulah and Frankfort</i> |
| July 11 | <i>Beulah Art Fair</i> |
| July 18 | <i>Elberta Art & Craft Fair</i> |
| July 22 | <i>CSA Arts & Crafts Fair</i> |
| August 14/15 | <i>Frankfort Art Fair</i> |

Please check www.CLWA.us, www.benzie.org, & www.frankfort-elberta.com/ for local times.