

JESSIE LAKE WATERSHED ASSOCIATION



JESSIE JABBER

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FALL 2010

MESSAGE FROM PRESIDENT MARN FLICKER:

What a difference six months can make on lake levels in our watershed. Jessie Lake rose around 24 inches from April when the docks were put in to October when the docks were removed. We had a nice long cabin season this year with an early spring, a pleasant summer and mild fall. The other good news is that the fish were hungry from opener to freeze up. I was blessed with my first 31 inch (11 lb) catch and release walleye this summer. Yes, it was a great summer on the water.

My first letter as President last year stated that my #1 goal was to broaden the base of membership involvement. Harold's last letter was on "Time for Change". Both of these have started to take place with the new positions on the JLWA board. The years of dedication hosting board meetings and taking the minutes of all Jessie Lake Watershed Association meetings has ended for Betty Steinbrenner. Betty was always willing to go the extra mile for our Association and I want to say "Thank you Betty" for your many years of service. This position of Secretary is now held by Rhonda Nichols who graciously volunteered to accept the position.

Another leadership change this year is in the position of Treasurer. Dale Hertle chose to step aside after many years of overseeing all the dues, donations and expenses. Dale was meticulous at always balancing the funds to the penny. I want to say "Thank you Dale" for your dedication to the Association. The replacement for Dale is Mike Raymond who has a profile in "Meet Your New Treasurer" article in this newsletter. Betty and Dale are just the start of those we should be thanking, but room does not allow the others at this time.

I would like this member involvement trend to continue by asking all members to try your best to attend JLWA meetings and events like the summer fun picnic. There will be another very important area of need for the membership to get directly involved in when the action plan is set into place to reduce the phosphorous load into Jessie Lake. The many years of studies are completed and now the action plan will soon begin. Harold Goetzman is one of the committee members that will help set up the action plan and look for funding and best ways to help reduce our phosphorous and most certainly he is on the top of the other "Thank You" list for the membership.

The informative articles in this Jabber will get you updated on the events of the past six months so please read on as we look ahead to 2011. Where should we focus our energy and resources? The new cleanup plan is just one area we will work on, but how else can we be better stewards of the water and watershed area? Can we consider a Lake cleanup event that would mirror the roadside cleanup? Can we improve our task of Educating Members on ways to reduce our phosphorous load and slow the algae bloom? Should we look into more fun events like a July 4th boat parade? Maybe a \$250.00 scholarship to a Watershed area college student would be appropriate. Please share your thoughts with me and other board members in person or emails.

I want to thank each of you for your past financial support and look forward to getting to know more of you through meetings, events, emails and on the water. May we all understand that we are so blessed to have positive steps being taken to improve our water quality and in turn improve our resources for future generations. We cannot repair hundreds of years of lake issues overnight, but we are truly moving in the right direction. Together we can and will make things happen.

JLWA ANNUAL MEETING

By Rhonda Nichols

President Marn Flicker called the meeting to order at 10:00 AM on September 4th following the coffee hour. Twenty-eight members and five guests attended the meeting. Bill Brink, Catherine McLynn, and Lori Dowling were added to the agenda while Sheriff candidates Dean Sherf and Vic Williams were introduced.

NEW BUSINESS

Firewise - Bill Brink from the National Firewise Program spoke about the wildfire protection plan.

County - Commissioners Catherine McLynn and Lori Dowling gave county updates.

1. The new ICC Laboratory has been given funds for well water testing.
2. The Highway 38 tree canopy will be evaluated to decrease any hazards.
3. Both Commissioners have been accepted to the Chippewa Resource Advisory Committee as well as JLWA member Harold Goetzman. About \$900,000 in projects will be funded.

Invasive species - The DNR access signs regarding the "Pull the Plug Law" have not been sent due to high demand. President Marn Flicker will follow up on this issue. Marn stressed that all water needs to be drained on shore from live wells and minnow buckets to avoid transfer of zebra mussels.

ELECTION

The attendees unanimously approved the following slate of officers and directors:

President - Marn Flicker, Vice President - Jim Anderson, Treasurer - Dale Hertle, Secretary - Rhonda Nichols--- Board of Directors: 2-year terms - Jim DeConcini and Ardie Sheplee, 1-year term - Harold Goetzman, continuing 2nd year of term - Tim Onraet and Krista Hagen.

Dale Hertle resigned from the Treasurer position and Betty Steinbrenner resigned as Secretary. A big thank you was given to both members for numerous hours of time and dedication to JLWA.

Since Dale resigned after election as Treasurer a motion was made by Jim Anderson to have the Board of Directors appoint a Treasurer when a candidate can be found. Dale will continue until that time. (Editor's Note-At the fall Board meeting, Mike Raymond was appointed Treasurer to serve for 2011.)

OLD BUSINESS:

Information - The bylaws will be mailed to all members for review so changes can be made next year.

It was decided information affecting the lake and the area be placed on the Website to limit e-mails.

It was decided there would be 4 mailings during the year consisting of two Jabbers and two meeting notifications.

In the future, for last minute changes in projects: check your e-mail, call the person in charge, or call an officer or board member for updates. The officer's and board members numbers will be listed in the Jabber.

Share the Lake Day - This summer our annual "Share The Lake Day" on August 5th at Carol Wood's home had to be cancelled due to wet grounds. Jim DeConcini reported that the date has been changed to September 29th weather permitting. If the event is not held then the Round-Up grant from the electric company will be returned.

Loons - Jim Anderson reported there were 13 loons counted, but no chicks.

Eagle - The tree nest on the NE side of the lake reportedly was broken off in the storm and the baby eagle was being fed on the ground. Marn reported it to the DNR, but they had no funds to rescue it.

Water Level - Bill Nelson reported the lake level is now near the 30-year average. The last time Jessie Lake was this high was in 2002.

Water Quality - Harold reported that water quality was poor this year due to all the rain and nutrients that washed into the lake. The Secchi clarity was down to 4 feet when it usually is 6 feet.

TMDL - The TMDL public meeting time is still pending while the MPCA reviews the final draft of the report for submission to the EPA. Members will be notified when this information is available. An Implementation Plan has been prepared by the consultant for the meeting.

Award - Bill and Sarah Nelson were given a Shoreland Stewardship Award by ICOLA/SWCD for their shoreland restoration project on Jessie Lake.

Roadside Cleanup – The clean-up day will be Tuesday, October 5th, weather permitting with an alternate date of Thursday, October 7th, 2010. Those interested should meet at Jessie View Resort at 10 a.m. Jim and Rita Anderson will host the post clean-up picnic.

Picnic - There was a good turnout for the summer picnic and everyone had a great time. The picnic was on a Saturday this year and was hosted by Barb & Bob Lewis. It was decided that the picnic should be on Saturday at least 3 times to know if Saturdays are better than weekdays for the picnic.

Other Concerns - The new cell phone tower on Hwy. 35 should be operational this fall as AT&T. Marn reported he visited the Verizon office and they do not have immediate plans for using the tower. The spring meeting will be Saturday, May 21, 2011 at the Bowstring Community Center.

DOOR PRIZE – Rhonda Nichols won the door prize, which was a book titled “The Kayak Lady” that was donated by Catherine McLynn.

The meeting was adjourned at 11:20 a.m. and everyone enjoyed a potluck lunch.

MEET YOUR NEW TREASURER

Michael (Mike) Raymond was born/raised in Duluth and graduated from Cathedral High School. He then attended college at St. John's and UMD and served in the U.S. Navy. He was a Minnesota State Trooper in Minneapolis, Wayzata and Elk River prior to moving and taking over the family motel business in Thermopolis, Wyoming. Mike returned to law enforcement as the Undersheriff in Thermopolis, Wyoming until he retired and moved to Indiana with his wife Valerie Conner due to her employment with the Indiana State Teacher's Assn. In 2001 Val charged Mike with “finding a retirement spot” in northern Minnesota. “That spot” is on the east side of Jessie Lake where Mike and Val are in the process of finishing a new home that has replaced the old cabin. Mike has 4 children that are spread from D.C. to California. Mike and Val are permanent residents since April of 2010 and have become members of Jessie Lake Lutheran Church. Golf, singing, theater and fishing are Mike's hobbies. Mike says that he and Valerie are very comfortable with the area and have amassed a large number of new friends and acquaintances in their short time at Jessie Lake. Mike looks forward to serving with the JLWA and getting to know everyone in the area.

WATER QUALITY

By Harold Goetzman

The water quality in Jessie Lake for 2010 was one of the poorest years we have had over the past ten years. The Secchi disk readings averaged 7.2 feet, which is lower than any year since 1998. For August and much of September we had readings in the 4 to 5 foot range instead of the normal 6 to 7 foot. Algae blooms were frequent in August and even well into October since the water temperature remained warmer than normal. The heavy rains in July created a fast runoff situation bringing large amounts of phosphorus to the lake. This extra amount of nutrient-rich runoff fuels the severe algae blooms that we saw this past summer and in turn the lower water clarity. These pea green or floating mats of algae can have an effect on lake recreation as we experienced with our grandkids this summer. Once a bloom occurs, the option available is to wait for weather changes, such as significant rainfall, wind shifts or cooler temperatures to disrupt the algae's growth. The key to solving algae problems long-term is to improve water quality by decreasing the amount of nutrients that are carried into the lake. Shoreline buffer zones of native plants and rain gardens can be used to slow the runoff. You can read about one example of a shoreland restoration project created on Jessie Lake in the following article.

SHORELAND STEWARDSHIP AWARD

The Itasca County Coalition of Lake Associations (ICOLA) started the Shoreland Stewardship Award Program to recognize lakeshore owners who have implemented outstanding shoreline management practices within Itasca County. The purpose of the award is to recognize as well as promote shoreline conservation practices on area lakes. Annual award winners are presented with a plaque and a framed nature photograph honoring their commitment to protecting the county's water resources. Award winners also receive recognition at the Itasca County Fair. The Stewardship Award program is funded by ICOLA and administered by Itasca SWCD and ICOLA.

This year **Bill and Sarah Nelson of Jessie Lake** were recipients of the Stewardship Award and recognized at the October 12th County Board meeting for their shoreland restoration project. This project was started as a pilot project in 1999 as part of a DNR grant that was obtained by the JLWA to continue studying the water quality on Jessie Lake. The project was designed to help reduce runoff and phosphorus loading to the lake with the use of native plants replacing mowed lawn. Since that time Bill and Sarah have continued to develop this planted area into a beautiful display of wildflowers, ferns and other native plants. Anyone interested in improving water quality with a restoration project of this type should visit Nelson's to see how good it looks. Andy Aerns of the SWCD at 218-326-0017 should also be contacted to provide assistance with the design and purchase of plants.

Photographs of the Nelson restoration project with before and after views have been posted on our JLWA website.



Bill and Sarah Nelson with Shoreland Stewardship Award

JESSIE LAKE WATER LEVELS

By Bill Nelson

Finally! After years of dealing with low water levels on Jessie Lake the water returned to more normal levels this summer. The year started with low levels, but then the rains came and in just three weeks, from July 20 to August 12, the lake level increased 21-inches to 1324.77 feet above mean sea level (msl). Considering the spring water level was 1322.39 msl the total increase this summer was

over 28-inches. During August and September the level remained relatively constant and only declined about three inches by October, which was close to the long-term average of 1324.26 msl.

The water level of Jessie Lake has been observed for a relatively few (18) years since the first observations were made from 1989 through 1992 and then discontinued. In 1995 they moved the gauge to our house and the level was again measured through the present time. Since 1989 the highest water level ever measured was 1327.01 msl on July 11, 1999 and the lowest level was 5.25 feet lower at 1321.68 msl on September 1, 2007. That broke the previous low record of 1321.89 msl set a year earlier on September 16, 2006. Except during the summer of 1998, when the levels ranged between 1323 and 1324 msl, the water level exceeded 1324 msl until 2003. Since late August of 2002 the levels have always been lower than occurred this summer. Is the drought finally over?

BUG BLAMED FOR AILING ASPEN

By Harold Goetzman

In August you probably noticed a large number of aspen trees with leaves starting to turn crispy brown or light enough to see through them. It turns out that August is prime time for the “blotchminer caterpillar” to munch on aspen leaves. They are tiny, flat caterpillars that are barely visible to the human eye and are small enough to get inside a leaf and eat the inside out. “Just like a kid eating the baloney out of a baloney sandwich, but not eating the bread,” said Janna Albers, forest health specialist for the Minnesota DNR. Once that inside is gone, the leaf will curl up and turn brown, as the tree’s photosynthesis can no longer take place. Most trees will survive unless the stress of drought is too much, so don’t cut them down.

After the tiny caterpillars eat, they pupate into tiny half-inch moths that winter inside the bark of conifer trees where they lay eggs. They are native and run in outbreaks for a few years and then fade to low levels.

You might also be interested to know that forest tent caterpillars, which eat aspen leaves in the early summer, have been munching their way across the central and west-central MN aspen forest this summer. They were as far north as Mille Lacs Lake and may soon reach the northland. The so-called “army worms” of the north are expected to arrive with a major outbreak in 2011 or 2012.

YOUNG EAGLE SURVIVAL

By Harold Goetzman

Most of you who have been on Jessie Lake the past few years are familiar with the eagle nest in a poplar tree on the northeast shore. This nest has been active with little ones being hatched and raised for us to observe as we passed by until this year when the tree/nest blew down during a July storm. The nest had one young eagle that apparently came down with the nest and survived the crash. For about six weeks we observed the adult eagles feeding the young one with a scope from the cabin. Many people fishing in that area also could go quite close and see the young one on the ground or fallen tree. Marn called the DNR about a potential rescue operation and was told we have enough eagles now and they would not be interested. Let nature take its course was the fate of this young eagles survival. A few weeks later we noticed no eagle activity in that area and were left to wonder what happened.

One morning while eating breakfast we noticed a dark and wet object on the shore, which turned out to be the young eagle with a small fish that it later ate. We figure it must have ended up in the lake while trying to pick up the dead fish. Over the next couple hours it moved along the shore looking for food and drying out in the sun. While I was trying to get closer for a picture it climbed on the dock and suddenly to my surprise took off and flew across the lake.

For several weeks we saw the young eagle come to our shore in the morning and walk along looking for something to eat and occasionally finding a morsel. Once it saw some ducks in the water and ran out to the end of the dock trying to figure out how to catch one. Since it did not seem to receive

any hunting lessons, we wondered if it would find sufficient food. Sitting up on the dock bench and calling with that shrill whistle did not bring any parents to help either. After an hour or so it would get on the dock and fly off apparently looking for greener pastures as it was also seen down at Jim and Rita Anderson's shore. As time went by we realized later in October that we had not seen the young eagle for awhile, but we assumed that nature would provide as it continued on its quest for survival.

A final note of interest is that before we closed the cabin in late October, we noticed some adult eagle activity across the lake and it appeared they were building a new nest in the adjacent poplar tree. Hopefully, that is the case and our eagle watching activity can resume again next year.

JLW CLIMATE

Precipitation data used in the TMDL report for the Jessie Lake area was obtained from the Minnesota Climatology Working Group of the Minnesota DNR. Additional climate data including, annual precipitation, average annual temperature and length of growing season was obtained for Itasca County from the United States Forest Service (USFS). For the years 1998 through 2008 the average annual precipitation for the Jessie Lake area was 28.0 inches compared to the 1971 to 2000 30-year average normally reported, which is 28.78 inches. Over the last 10 years, total annual precipitation has varied from a low of 21.7 inches in 2003 to a high of 34.2 inches in 2004. Average annual precipitation for the last 10 years shows the recent drought years of 2002, 2003 and 2006 to 2009 all with below average precipitation. The period from 1994 to 2001 shows eight straight years of above normal precipitation.

The USFS data of annual average temperature shows an increasing trend in the average annual temperature for the Jessie Lake area. The growing season for the Grand Rapids, MN area has ranged from 75 to 150 days over the last 90 years with the average growing season for that period at approximately 107 days. However, over the last 30 years the length of the growing season has been increasing, with a recent average of approximately 122 days or 15 days longer.

Bill Nelson was looking at freeze-up data recently and reported this bit of Global Warming information, which supports the longer growing season. We only have data since 1977 on Jessie Lake freeze-up, but dividing the data roughly in half shows from 1977 through 1990 the average freeze-up date was Nov 22nd and since 1990 the date was Nov 28th, or six days later.

This all leads to the question on climate – what is normal?

JESSIE LAKE TOTAL MAXIMUM DAILY LOAD STUDY

By Noel Griese, ISWCD

Jessie Lake has been under study for over ten years to develop a management plan that would improve or maintain the water quality. The long awaited final draft of the 110-page Total Maximum Daily Load Study (TMDL) was given preliminary approval by the EPA this summer and returned to the MPCA in August. This draft was finally available for public comment (MPCA letter to members) on Nov. 8th that will be incorporated in the final draft that returns to the EPA for final approval.

A public meeting to present the Draft Jessie Lake TMDL and Implementation Plan was held on Monday, November 22nd, 2010 at the Bowstring Town Hall. Presenters included Noel Griese (SWCD), Nolan Baratonio (MPCA) and Rebecca Kluckhohn (Wenck). Rebecca was delayed due to inclement weather trying to make the meeting, but was able to make a shortened presentation via a phone conference call. Sixteen people attended the meeting, which included ten from JLW.

Draft TMDL- Rebecca reviewed the lake modeling process used by Wenck. Jessie Lake's primary nutrient sources from 1998-07 in descending order were internal loading (44%), watershed load from streams and runoff (31%), groundwater (17%), atmospheric deposition (6%), and septic (2%). The background (pre European settlement) total phosphorus (TP) range was estimated to be 25-30 ug/l. The current TP based on the study data had a range of 19-48 ug/l and averaged 35ug/l.

Implementation Plan-Rebecca discussed the internal and external load reduction strategies.

The internal load reduction methods included: Hypolimnetic Withdrawal (reoxygenate anoxic water below thermocline by pumping water to surface), Hypolimnetic Aeration (aerators used to reoxygenate anoxic water below thermocline), and Alum Dosing (aluminum sulfate applied to deeper area of lake). Alum dosing was determined to be the most cost effective of the three strategies. The current average internal load is 2398 lb/yr and the required reduction would be 959 lb/yr (40%).

External load reduction strategies discussed include: Septic System Inspection and Upgrade, No net P Increase from Development (new ordinance), Lakeshore Buffers, Upstream Lake Improvements, Forestry BMP's and Riparian Stream Restorations. The current average contributions are: Watershed (1,579 lb/yr), Groundwater (1,064 lb/yr), Atmospheric (310 lb/yr) and Failing Septics (103 lb/yr). The external load reduction strategies would provide a TP reduction of 261 lb/yr: Watershed (10%), Failing Septics (100% as state law prohibits any discharge into public waters), Atmospheric (No reduction) and Groundwater (No reduction).

Final TMDL Process-Nolan summarized the final steps to getting an approved TMDL. After the public comment period ends on December 8th, Wenck, MPCA, and ISWCD will address the comments where necessary and finalize the document. Then the draft TMDL will go to the MPCA for review/signature and then will be sent to the EPA for final approval. Once the TMDL is approved, there will be additional funding opportunities to begin implementing the plan and strategies to protect Jessie Lake.

Public Comments/Questions- (1) How does alum treatment work? Rebecca said an alum solution is injected just below lake surface by boat. Alum strips phosphorus from the water column as it settles to the bottom and forms a sediment seal/barrier that binds any phosphorus released from the sediment, essentially eliminating internal phosphorus loading from that portion of the lake. (2) How much alum will be required to treat Jessie Lake? Rebecca stated on the magnitude of 300k-400k gallons, which would be only released in the deeper parts of the lake. (3) Will Alum treatments affect living organisms in the lake and on the lake bottom? Rebecca responded that alum treatment is a fairly old and safe technology, but you do have to be careful to get dosing correct because alum can alter pH, which will affect organisms. Nolan and Rebecca agreed that if done correctly it should have a minimal affect on organisms, but further research/information can be provided upon request. (4) JLWA requested alum treatment references. Rebecca agreed to provide references of groups/agencies that have done lake alum treatments. (5) Why should external loading sources to Jessie Lake be mitigated if they are minimal in comparison to internal loading and they will have less impact on improving Jessie Lake's water quality? Noel responded that we need to reduce all anthropogenic (human) sources. Even if the sources are minor, their cumulative reduction will help improve or maintain Jessie's future water quality. Also, as external sources are reduced the internal loading will become less over time.

Recommendations-Based on the data and modeling, Rebecca stated that Jessie Lake background is 25-29 ug/l and is now averaging 35 ug/l. Thus, she recommends the first steps for future management should be focused on protection via external load reductions, which include shoreland buffers, septic upgrades and no net P increase from property development. Alum treatment could follow later.

POTPOURRI

By Harold Goetzman

Jessie Lake Watershed Association Logo. We have gone to one order per year after the spring meeting. So if you have an interest in purchasing logo sweatshirts, polo shirts, T-shirts or hats please let Marn or Marie Flicker know. The style has now changed to a screen-printed logo, which is lower cost than the embroidery style. A sweatshirt can now be purchased for \$25 and a T-shirt for only \$10.

Walleye Spawning. The walleye-spawning run in Spring Creek was monitored for 11 days in early April this year. No fish were seen until April 13th after an unknown party released water from behind

the beaver dam. The run peaked two days later and returned to zero by the 18th resulting in only a 5-day period of spawning fish. Most of the fish were less than 20 inches and a total of 240 fish were counted. This is the lowest number since 2004 after 5 years of good results ranging from 390 to 840.

Share the Lake Day. This was to be the fifth year for our Association to host a day of sharing with those not able to visit a lake. The day was planned to host guests from Deer River Nursing Home on August 5th, but the heavy rains a few days earlier left the lawn at Carol Wood's to be very soggy and unable to handle any traffic. Jim DeConcini reported we were unable to reschedule the event with the Nursing Home at a later date when things were drier. A date in July will be in the plans for next year.

Roadside Clean Up. On October 5th we had 16 members meet to pick up litter on 3 miles of County Road 35 between Highway 6 and County Road 133. This was followed by lunch at Jim and Rita Anderson's. The County provides garbage bags and vests so it is a good public service event for JLWA. We will also need to pick up the litter in the spring. Think about helping out next year.

Firewise. At the fall meeting we had Bill Brink from Itasca County speak on the Firewise Program that is designed to reduce the fire potential of homes in rural areas. They will visit people's homes if requested and give them advice on how to protect their home from fire. One part of the program is to chip brush piles or downed trees near homes to reduce the fuel supply in the event of a wildfire. This fall they came to Richard and Krista Hagen's and Harley and Betty Steinbrenner's homes to chip their brush piles. If you have any material that needs removing please call Bill at 218-360-1114.

Zebra Mussels. Minnesota Department of Natural Resources (DNR) biologists have confirmed a report that zebra mussels are now in Gull Lake near Brainerd. It marks the second time in four months that zebra mussels have been discovered in a popular Minnesota lake as in July, the DNR found zebra mussels in Lake Minnetonka. Zebra mussels were discovered in three other "super spreader" lakes, so called because their popularity guarantees that lots of boats will be launched in these lakes, contaminated and then taken to other lakes ... maybe YOUR LAKE.

Pull the Plug Law. Boaters are required by law to:

- Remove aquatic plants and zebra mussels from boats and trailers.
- Drain all water from bilges and live wells including pulling the boat drain plug and open water draining devices. The drain plug has to be removed or open when transporting your boat on public roads.
- Drain bait buckets when exiting lakes that have been designated as infested with spiny water flea or zebra mussels. Anglers can keep unused bait when leaving infested waters if they replace the water with tap or spring water.

Forest Conservation. A historic agreement signed on July 8, 2010 permanently conserves 187,826 acres along the upper reaches of the Mississippi River. The DNR and UPM agreed to protect this large tract through a working forest conservation easement that ensures the property will never be developed and prevents parcelization. This will provide forest for logging jobs, wildlife habitat and outdoor recreation. The Nature Conservancy played a big role in making this happen together with the Clean Water Land and Legacy Amendment passed by Minnesota voters.

Shoreland Rules. The project to update the DNR shoreland rules was on track for completion the first half of 2010. However, on August 11, 2010, Governor Pawlenty returned the draft shoreland rules to the DNR for further work. The DNR has been directed to revisit the scope and intent of the rulemaking with its stakeholders and the legislature. For more information, visit www.mndnr.gov and enter shoreland rules update.

Quotable. "Whether at the seashore, or by lakes or rivers, or on the prairie, it concerns us to attend to the nature of fishes." Thoreau, 1839

DID YOU KNOW?

By Harold Goetzman

- It is recommended that people spray or rinse boats with high pressure and/or hot water, or let them dry thoroughly for five days before transporting to another body of water.
- The country's forests are about the same size as they were 100 years ago.
- Over 100 million cell phones are discarded annually. When you purchase a new phone try to recycle your old one.
- Pollinators, like the butterfly and hummingbird are on the decline worldwide. In the USA, pollination by honeybees and other insects produces nearly \$20 billion worth of products annually.
- Wes Libbey, a longtime conservationist and advocate of natural resources protection in Itasca County recently died at age 101 in Grand Rapids. Wes was still active in ICOLA this past year and will be missed, as he was a mentor for many of us involved in preserving the lakes in the county.
- Our county commissioner for District 1 will change next year with Lori Dowling losing her bid for reelection on Nov. 2nd. Lori served our JLWA members well the past 4 years so we will miss her.
- There are about 3000 wolves in Minnesota now and each one eats about 15 deer per year, which means wolves eat about 45,000 deer each year, while hunters take about 200,00 during rifle season.
- Jessie Lake froze over on Nov. 27th, which is four days past the long-term average of Nov. 23rd.
- Our website (www.minnesotalakes.org/Jessie) is updated regularly by our Webmaster Jim Anderson with meeting notices and the latest issue of the Jabber.

CONTRIBUTIONS

Our sincere thanks to the following households that made financial contributions in 2010 to the JLWA: Bill and Lilli Baird, David Bernardson, Jackie Calin, Bill and Melissa Coleman, Fred and Cleo Conrad, Frank and Gloria Dallas, Jim and Peg DeConcini, Ben Edwards, Marn and Marie Flicker, Harold and Diane Goetzman, David Goodall and Anne Lind, Rudy Gronau, John Horsch, Randy and Kristine Imker, Greg and Ruth Kirkevold, Brad Kuehn, David Kuhn, Gerald and Shelly Loney, Dale and Cheryl Macklanburg, Hollister and Jerril Madsen, Don and Marcie Majerle, Roger and Jill Meyer, Lowell and Lynn Nystrom, Mike and Janet Nystrom, Tim and Rita Onraet, Jerry and Donna Ostergren, Bruce and Lorriane Paatela, Mike and Teresa Peterson, Mike Raymond and Val Conner, Ken Rossberg, Wally and Marilyn Russell, Clint and Lesli Sand, Gary and Carolyn Scherer, Stephen and Barb Schmit, Mike and Peg Selander, David and Diane Sievers, Duane and Norma Storrs, Richard Thurston, Carol Wood, Denise Zaske and Bob and Gail Zerban.

MEMBERSHIP

The JLWA presently has 102 paid members. Treasurer Mike Raymond will send out an invoice for dues in early January. Welcome to our new members Dean Anderson, John and Tammy Glazer, Dale and Cheryl Macklanburg, Catherine McLynn, Richard Thurston and Brent Vanquekelberg.

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