

NewsStreams



A publication of Kentucky Waterways Alliance: Working to protect and restore Kentucky's waterways. *Special Annual Report Edition*

KWA Makes a Splash at 20 Years

Thanks to everyone who came out to our first ever *Make a Splash* gala, making it one of the most successful events we've ever held! We couldn't have asked for nicer weather to kick off the event, held at the Poplar Terrace home of Christy Brown overlooking the Ohio River.

KWA Board President Gordon Garner, hostess Christy Brown, and Congressman John Yarmuth all addressed the crowd, reminding us why we'd come together to celebrate. Christy Brown focused on the sacred nature of water while Congressman Yarmuth expanded on maintaining the legislative tools needed to fight for clean water. When talking about the future of KWA, Gordon Garner reminded attendees that KWA needs resources to renew its commitment to the Rockcastle River, create a watershed plan for Harrods Creek, and to respond to fracking liquids, pipelines and other threats to our water that are going on right now.

We are especially grateful to the generosity of those who helped make the event possible: **Christy Brown**, for welcoming us in her beautiful home, **Jennifer Brian-Cheek** for her fantastic event planning skills, **Wiltshire Pantry** for the delicious food, **First Impression**, for the design of our stationery, **Ruth Billings**, for the countless hours she spent attending to important details, **Eco-Tech Consultants**, for the donation of our featured silent auction item, dozens of others for their donations featuring culturally rich Kentucky crafted items, **Leroy Koch** and **Mike Strohm** for their interactive exhibitions of Kentucky aquatic wildlife, Mary Carmel of **Sugar Woods Bakery** for our stunning cake, **Billy Goat Strut Revue**, providing a happy atmosphere for the night, and to everyone else who donated auction items, time, talents, and services.



Clockwise from top left: Congressman Yarmuth, Gordon Garner and Christy Brown addressing the crowd, Leroy Koch showing off his impressive display of indigenous mussels, Billy Goat Strut Revue playing their lively style of "Bourbon Jazz," and attendees enjoying the Ohio River veranda.

Message From the President

Pipelines, Coal and Beer

Good news and bad news about these three water related topics are on my mind. They are tangentially related but all touch on clean water in Kentucky.

It is KWA's 20th anniversary. We have been sharing our amazing list of accomplishments as a small non-profit working in a state that is often hostile to conversations about environmental protection. We are fighting the good fight to keep water clean for safer communities, healthier ecosystems, and cleaner energy. To me, all these environmental obstructions can be considered in the context of the proposed pipeline, coal, and beer.

THE PIPELINE - Many of us are taken aback at the well planned assault by Williams Pipeline and others to locate and build a pipeline through Kentucky (to be put in service in late 2015!) without any significant regulatory oversight and clear intent to invoke eminent domain to obtain the necessary rights of way. By the way, where is the Tea Party on this private property issue? Pipeline contractors can move fast and leave behind problems. The good news is that a grassroots coalition (landowners, environmental groups, students) to oppose the pipeline has been organized and has put up websites that tell a much different story about pipeline safety, accidents, leaks and spills, even in just the past few years. This coalition is taking on an industry that is fueled by misinformation and operates under regulatory confusion and special exemptions not intended in a project like the Bluegrass Pipeline. KWA is concerned about the construction of the pipeline and impacts on our water resources:

- Will drinking water supplies get any consideration?
- Will stream and river crossings meet the highest standards to prevent damage?
- Will aquatic habitat and endangered species degradation be prevented?
- Will landowners' groundwater uses, including drinking water wells and irrigation, be protected?
- When a leak does occur, what prevents those pollutants from migrating across our karst geology waterways?

COAL - There is no good news about coal. Fifty Kentucky legislators just signed a letter to the President about the "unfair attack on coal" in his speech on climate change and greenhouse gas. Climate change mitigation efforts *are* forcing tough choices though. If there was such a thing as clean coal, the industry should prove it. It doesn't exist. Natural gas competition is fueling the reduction in demand for coal, NOT President Obama or the fictitious EPA "war on coal." It is true, and of concern, that alternatives to coal, including natural gas obtained from fracking can have similar greenhouse gas consequences that we must address. But backing off of existing requirements for clean air and illegal mountaintop removal is not the answer. In Kentucky, we need to plan for a different energy future and create and support renewable energy alternatives. We also need the mining industry to meet permit requirements and coal burning utility plants to meet the best clean air standards. Proper treatment and mitigation of mining site runoff must be a priority if we care about our streams, lakes, and rivers.

BEER - The good news about beer is that our volunteer efforts selling beer at the Louisville Forecastle Festival netted a tidy sum

Continued on the following page...



Executive Committee

Gordon Garner, President
Ward Wilson, Vice President
Bruce Scott, Treasurer
Hugh Archer, Secretary
Beverly Juett, Immediate Past-President

Basin Delegates

Kenny Book, Kentucky River
Marc Hult, Licking River
Ouida Meier, Upper Green River
Scott VanderPloeg, Lower Green River
Dave Wimsatt, Salt River
Tom Vierheller, Big Sandy River
Bob Johnson, Jackson Purchase

Organizational Delegates

Tim Guilfoile, Sierra Club

Emeritus Board Member

Frank Elsen

At-Large Delegates

Kelly McKnight
Douglas Davis
Sandy Camargo
Virginia Lee

Staff

Judith Petersen, Executive Director
Angela Doyle, Development Director
Will Willis, Communications Director
Jessica Kane, Office Manager
Tessa Edelen, Watershed Program Director
Tim Joice, Water Policy Director

Rockcastle River Conservation Program Director
Jim Hays
Bacon Creek Agricultural Coordinator
Mark Howell

Kentucky Waterways Alliance
120 Webster Street, Suite 217
Louisville, KY 40206
(502) 589-8008

Want to be in the know about water-related happenings?

Visit our website at

WWW.KWALLIANCE.ORG

to check out upcoming events in Kentucky!

KWA is a 501(c)3 nonprofit corporation. Articles express the opinions of their authors and not necessarily represent the views of KWA or its officers.

...Continued from previous page.

for our clean water protection efforts. Thanks to our volunteers, we made \$6,452!!! On my shift, it seemed like the majority of the people who bought beer put a dollar or more into our tip jar. We have always known that most people care about and want clean water. In spite of how easily our elected representatives trash EPA or back off enforcement of long standing regulations, it is encouraging to experience the feedback and support for clean water from a mostly anonymous crowd. Thankfully, there is no bad news about beer!

With the upcoming off year elections, there will be a lot of attention on Kentucky and the Senate race. It is unlikely that we will see any constructive dialogue about clean water. To help fill the gap, KWA will stay laser focused on clean water issues and advocacy as it has for the past 20 years. That is good news.

On behalf of a healthier Kentucky,

Gordon Garner

TMDL Watersheds Wanted

Waterbodies that are "impaired" (water doesn't fully support its uses, such as fishing, swimming, boating or water supply) are identified in the 303(d) list every two years as a part of Kentucky's Integrated Report on Water Quality to Congress. Kentucky, like other states, is required to complete Total Maximum Daily Loads (TMDLs), or "pollution diets," for water bodies listed on the 303(d) list within 13-15 years.

There are approximately 2,410 pollutant/waterbody combinations requiring TMDL

development on the 2010 biennial 303(d) list. These waters are prioritized based on:

- where there is an interested stakeholder group that can implement a TMDL,
- what the recovery potential of the watershed is, and
- logistical and management objectives.

The TMDL Section in the Water Quality Branch of the Division of Water is soliciting requests for watersheds in which you would like to see their resources focused on a TMDL development during the 2014 and 2015 monitoring years.

Potential Impaired waters must:

- be on the 2010 303(d) list,
- located on a stream segment, and
- should be restricted to a Hydrologic Unit Code 11 or less.

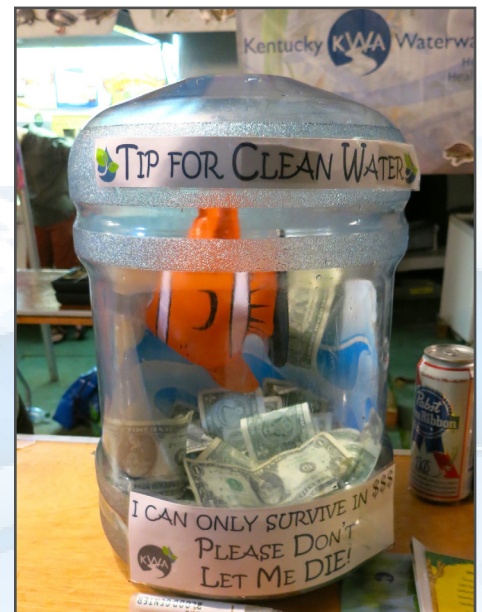
Division of Water requests that you submit a list of stream segments and/or watersheds that you would like for them to evaluate as potential candidates for TMDL monitoring and development by October 1, 2013. Submissions can be sent to: TMDL@ky.gov

Forecastle was amazing!

Once again, KWA was fortunate enough to be chosen to manage a beer booth for the Forecastle Festival, an annual gathering of music, art and activism at the Waterfront Park in downtown Louisville. The weekend always promises excitement, celebration, unpredictable Ohio Valley weather, and great

music. The event provides a fun volunteer opportunity while spreading KWA's message to a group of people with open ears. While having a fantastic time, we also made \$6,452 - a lot of money for KWA. Thanks to all of our amazing volunteers for making this event possible for KWA!

Volunteers had a blast while raising lots of money for KWA. Did you tip for clean water? Our little Nemo was so happy swimming in all those dollar bills!



KWA's Annual Meeting

Celebrate 20 Years with KWA



Originally constructed in 1845, the Bell House will play host for KWA's Annual Meeting on November 16.

Mark your calendar for **KWA's Annual Meeting** at **Lexington's historic Bell House** on **November 16**.

This will be a great time! It will be a chance to mingle and discuss water issues that are important to you. We'll also reveal Board election results

at the meeting. Know someone who you think would make a fabulous board member or want to nominate yourself? We welcome nominations for all nine Kentucky river basin delegate positions. Please contact Angela at Angela@kwalliance.org for more information. **Nominations are due to our office no later than September 30.**

Keep watching our website as we release more details about the meeting!

Green River Fest and Clean the Green - huge successes!



The Green River is much cleaner thanks to the efforts of numerous organizations and hundreds of volunteers. Over the course of two Saturdays this summer, nearly 40 miles of the biologically rich Green River was relieved of tons of trash. If you have never made it to one of our cleanups, be sure to make it a priority. As one of our young volunteers stated at Clean the Green, **"this is the best cleanup ever!"**

Clockwise from left: Congratulations to Dale Reynolds, the lucky winner of the Clean the Green kayak raffle. Everyone loves puppies and puppies love getting out on the water. Michael Hensley (The Nature Conservancy) and Judy Petersen stop for a photo. Volunteers take pride in showing off the trash they removed from the Green River.



Call for Committee Members

Are you passionate about KWA and looking for more ways to help our cause? Enjoy planning events or learning about and helping with policy issues we work on?

We are currently accepting volunteers for our Outreach and Communications Committee and our Water Issues and Policy Committee. If you want to learn more about these opportunities, please contact Angela Doyle at Angela@kwalliance.org

KWA Board Elections

In mid-October, we'll be sending out ballots for the annual board elections, and our bylaws require 10% participation by our paid members to be valid. **Please return your ballots in the envelope enclosed in the packet.**

Interested in joining the board? We're currently taking nominations for officers (President, Vice-President, Secretary, and Treasurer) and basin delegates (one board member for each of the 9 major basins in Kentucky). Contact Angela@kwalliance.org for more information.

Great Ohio River Relay

The Wheeling Water Warriors, a water advocacy group out of Wheeling, West Virginia, is organizing a river relay to draw attention to our vital water resource, the Ohio River.

The relay will cover the length of the Ohio, from its source to the Mississippi River. The Warriors are seeking volunteers to help carry the torch. Activists in the relay may walk, run, bicycle, or paddle, so long as NO fossil fuels are used.

If you, or anyone you know, would be interested in participating in this relay, please contact Will@kwalliance.org so we can get you plugged in with our upstream friends.

Jim Hays Honored with Award

KWA Rockcastle River Program Director, Jim Hays, and the Kentucky Transportation Cabinet were joint recipients of the 2013 Ida Lee Willis Project Preservation Award. This recognition was given for their efforts to restore rather than replace the



landmark Rockcastle River Bridge, ultimately saving the state over \$1 million. Thanks to the rehabilitation efforts displayed by Hays, this 1921-era steel truss historic bridge connecting Laurel and Rockcastle Counties can be used by generations to come.

Campton Residents Taking Care of Swift Camp Creek

By Tessa Edelen, Watershed Program Director

Swift Camp Creek is the creek that runs through Campton north to the Red River. It is an important part of the river ecosystem of our state and is home to a variety of organisms, from fish and turtles to water pennies and Dobson flies. The creek is a place to investigate and explore. It is a place to observe and contemplate. It is also a place that needs to be cleaned up!

On June 1, the Campton community came together with volunteers, Eastern KY PRIDE, and the Wolfe County Judge Executive's office to clean up Swift Camp Creek. The cleanup began at Campton City Park on Plummer Street. Volunteers fanned out from there to scour the stream banks and streets for trash.

In conjunction with the cleanup, an art contest open to all students in Wolfe County was held. The theme was "Hopes and Dreams for Swift Camp Creek." First place winner Matthew Brewer attended the cleanup to help out and claim his prize. The second place winner was Brady Robinson, and third place was Lindsay Hensley.

Kentucky River Watershed Watch provided a free demonstration of water quality sampling techniques and equipment. This volunteer organization samples water in local streams all over the Kentucky River Basin. There was also a Project WET activity for kids of all ages.

The cleanup and art contest were part of a larger project to protect Swift Camp Creek and other tributaries to the Red River. Both were hosted by Kentucky Waterways Alliance, KY River Authority, Eastern KY PRIDE, Daniel Boone National Forest, and the Red River Watershed team.



From left to right:
1st place - Matthew Brewer
2nd place - Brady Robinson
3rd place - Lindsay Hensley



A Hayride in July

By Tessa Edelen, Watershed Program Director



Eddie Bowen shows off his farm and the BMPs on a hay ride.

Eddie Bowen has been working hard putting up fencing, taking care of cows, and getting his farm ready for visitors. Bowen graciously agreed to host the community for a Bacon Creek Farm Field Day to show off the Best Management Practices (BMPs) he recently installed. He was one of four farmers in the Upper Bacon Creek Watershed to participate in KWA's BMP program. The program used grant funding to help farmers with technical and financial assistance installing conservation practices. The grant is part of a larger project directed by KWA and the Bacon Creek Watershed Council to clean up Bacon Creek. The funding comes from a nonpoint source grant through the KY Division of Conservation and Division of Water.

KWA Agricultural Coordinator Mark Howell worked with Bowen to find ways to improve his farming operation and help Bacon Creek. With help from the Larue County Conservation District and the Natural Resources Conservation District (NRCS), the two settled on exclusion fencing to keep the cows out of the creek, a heavy use protection area where cows can be fed, and an automatic cattle waterer to provide fresh, clean water for cows. By limiting the amount of sediment and cow manure that reach Bacon Creek, all three of these BMPs will help improve its' water quality.

Michelle Ogden of the Larue County Conservation District leads the participants of the Farm Field Day in her version of Conservation Jeopardy.



The mastermind behind the event was Michelle Ogden of the Larue County Conservation District. She played emcee for the day and led the crowd of 40 or so people in a round of Conservation Jeopardy with diverse topics from "Careers in Agriculture" to "Soil" and "Wildlife." She also recruited local experts for the day: David Shelton, Larue County Conservation District Advisor, to do his soil erosion demonstration; Billy Finkbeiner, NRCS District Conservationist, and Buck Hulsey, NRCS Soil Conservationist, to discuss conservation practices offered by the NRCS and the importance of local partnerships.

But perhaps the highlight of the day (besides lunch provided by the Larue County Pork Producers!) was the hayride. Folks loaded up on the trailer, and Bowen drove carefully across his land, highlighting the fencing along beautiful stretches of Bacon Creek. It was a perfect day for a hayride in July.

KWA Works Every Day on Behalf of Our Families for Clean Water POLICY... IN BRIEF: what we're doing to protect your water resources

By Tim Joice, Water Policy Director

KWA is your voice in the fight for clean water in Kentucky! Find out what we've been doing lately on behalf of the health of our waterways and communities.

Floyds Fork, Harmful Algal Blooms, and the Dead Zone: One Big Circle of Life

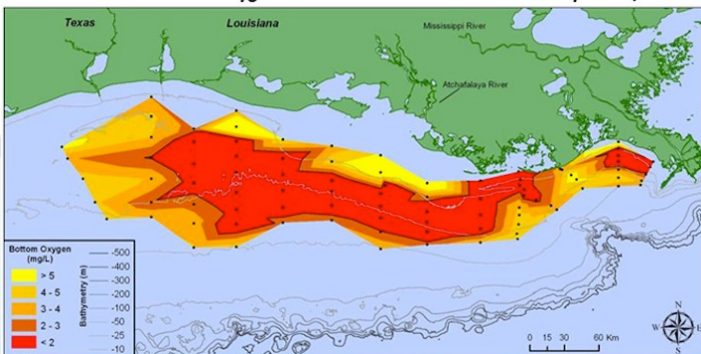
For over a year now, Kentucky Division of Water (DOW) has been engaging with stakeholders and the general public about cleaning up Floyds Fork, a creek that flows through the counties of Oldham, Shelby, Jefferson, Spencer, and Bullitt. Floyds Fork has a nutrient pollution problem from too much nitrogen and phosphorus. When these nutrients are present in excess of natural levels, dangerous algal blooms can form and pose a threat to the native aquatic species in the creek, and potentially, to the health of humans and animals.

DOW is currently refining proposed targets for in-stream concentrations of nitrogen and phosphorus. These targets will help guide the development of the pollution diet, or TMDL, which will be used to help reduce nutrient contributions to Floyds Fork over the coming years. KWA is remaining active in this process. Additionally, we encourage all residents in the watershed to attend one of three upcoming community meetings on the Floyds Fork Stakeholder Engagement Process, hosted by Kentucky Water Resources Research Institute. See our website for more information.

Meanwhile, as DOW continues that effort, the Louisville District of the Army Corps of Engineers has been testing for cyanobacteria, which they refer to as a Harmful Algal Bloom (HAB), at the lakes that it manages. The results? At this point, they have found HABs in Taylorsville, Rough River, Barren River, and Nolin Lakes. What does this mean? Well, the lake waters are not as clean as many folks perceive. This is exactly why we've been working to get DOW to do more to limit nutrient pollution and to enact statewide numeric nutrient limits for our waterways.

Nutrient limits would also help to reduce Kentucky's contribution to the annual Gulf Hypoxia Zone, also known as the Dead Zone. This summer, the Dead Zone measured in at 5,840 square miles, or roughly the size of Connecticut. The measured area came short of predictions, but was still above average. The Dead Zone will continue to make its annual appearance in the Gulf as long as states are not putting sufficient efforts towards reducing nutrient pollution in their own states.

Bottom-water dissolved oxygen across the Louisiana shelf from July 22-28, 2013



Tar Sands

The coal industry has left a substantial environmental footprint on the state, and another fossil fuel extractive industry is moving in that could have similar impacts. Arrakis Oil Recovery, a subsidiary of Imperial Petroleum Inc., which operates tar sands mines in Canada, has now proposed two surface mining projects to extract tar sands in Logan County, north of Russellville. The tar sands are actually a sandstone formation with hardened oil embedded throughout.

The company has proposed to surface mine the tar sands ore from the land, crush it down, and put it through a series of agitators that include water and a mixing agent. The process is supposed to separate the sand from the heavy oil, which would allow the sand to be reused for onsite reclamation, and the process water to be reused in the agitators.

We are concerned about this process, and the use of inadequate sediment basins to filter pollutants from being discharged into streams. We are also concerned about the mixing agent used in the process, which may adhere to the sand used for reclamation, and the potential for it to then have an impact on water quality.

Currently, there are several permits on public notice for these projects. Check out our website if you'd like to take action and voice your concerns to the Kentucky Division of Water by calling them at 502-564-3410!

The Bluegrass Pipeline

In a number of counties across a significant portion of Kentucky, there is rising concern about the proposed Bluegrass Pipeline. What would it carry? How dangerous is it? Where will it go? These are just a few of the many questions that citizens and property owners are asking about the proposed pipeline.

KWA also has significant and legitimate concerns with this project. We want to clarify those concerns for those that are still trying to learn about the project, and who are looking for clear information that is not biased by profit-driven motives of the private company that has proposed the pipeline.

First, this pipeline has been proposed to send Natural Gas Liquids (NGLs) from the fracking operations in Ohio and Pennsylvania down to Louisiana for processing. The company's current plans are to then export the individual compounds to foreign manufacturers. NGLs include a number of liquefied gases, like pentane, butane, ethane, propane, and many others. NGLs are not regular methane, nor Natural Gas, nor Liquefied Natural Gas that can be used to heat your home. NGLs are broken up into their individual gases and used to make plastics and other industrial products. This pipeline will not provide energy to Kentuckians.

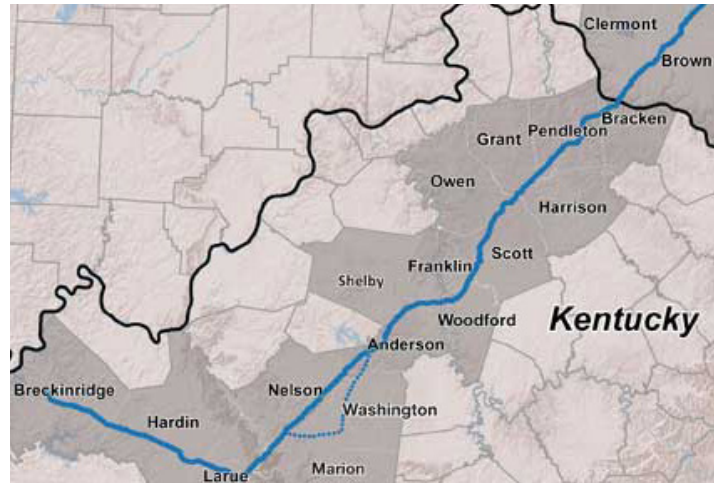
KWA's concerns about the pipeline are focused first on the
Continued on following page...

alignment and subsequent impact of construction and secondly, on the potential for accidents. The pipeline must be sensitive to our waterways and water resources.

To the first, this pipeline will cross many rivers and creeks, like the Ohio, Licking, Kentucky, and Salt Rivers, and a number of other significant creeks like the Elkhorn, Beech, and Rough River. It may also go through valuable wetlands. As the pipeline moves through and across these valuable resources, the landscape will be cleared of trees and shrubs – even the banks of creeks and rivers, which need sufficient riparian buffers to remain healthy. Depending on how these crossings occur, they may include sediment discharges, which can impact aquatic species. Alternatively, if they intend to cross wetlands, those may be destroyed altogether. The company will have to apply for and receive necessary permits, such as Clean Water Act Section 404 and Section 401 permits, which allow these impacts to occur, and KWA will be there to demand adequate efforts have been made to protect our waterways.

Our second concern is in regards to the potential for accidents. A pipeline is a man-made feature, and a certainty of any pipeline construction is that it will fail, at some point. This is apparent with our sewer infrastructure, with oil and gas pipelines, with water pipelines, and more. Additionally, NGL pipelines have a very short history, and the procedures for safe construction, maintenance, and inspections are not nearly as robust as for regular natural gas pipelines. Given this fact, then we must also be proactive and ensure that this pipeline does not go over or through valuable areas or resources. Why?

Well, a pipeline failure or rupture could result in a number of different scenarios. Most significantly, the NGLs in this pipeline are highly explosive, and pipeline explosions are a likely event, somewhere along the length of the pipeline. An explosion be concussive, and impact underlying geology, which can then impact water resources. Other pipeline failures include small leaks. Such leaks allow the NGLs to move into the soil, both towards the soil surface, or into groundwater systems. Sinkholes, caves, caverns, and underground streams cover a significant portion of the state. This geology would provide ample opportunity for even a small leak



Bluegrass Pipeline proposed route.

from this pipeline to spread rapidly over a wide area. It could then contaminate private wells, move into other drinking water sources, and become extremely difficult to clean up.

If constructed, the pipeline alignment must avoid impacts to waterways to the maximum extent practicable, and it must avoid geologically and hydrologically sensitive areas entirely. To be clear, KWA is not in support of this pipeline. We have very legitimate concerns, and if these concerns are not fully taken into account in the placement and construction of this pipeline, then we are very much in opposition to it.

Perhaps the most important issue related to the pipeline's alignment is that of eminent domain. Hypothetically, if the company is granted the right of eminent domain, then there are very few regulatory mechanisms to force them to avoid important waterways, water resources, and sensitive karst areas. KWA opposes the possibility of eminent domain if it means the company will make no efforts to avoid these resources.

Finally, if this pipeline moves forward to the point of applying for all necessary permits, KWA will be there to comment on those permits and make sure that the public's resources are spoken for and protected.

Upcoming Events

Sept 13-14 KAAE Annual Conference With a theme of "Making Connections," the Kentucky Association for Environmental Education will be having their conference at Lake Barkley State Park this year.

Sept 13-15 Knoxville Fractivist Conference Intended to educate folks about the variety of elements regarding this extraction process, hear about victories, and strategize about how to become a more effective movement to put an end to fossil foolishness!

Sept 14 The Great Ohio River Relay Participants will walk, run, bike, boat and even rollerblade our baton the entire 981 miles of our Ohio River to bring awareness to the whole country about what fracking is doing to our communities and our water!

Sept 14 5th Annual Nolin Lake Clean-up Participants can show up at Moutardier Ramp, Wax Ramp, Dog Creek Ramp, or Nolin Lake State Park Ramp at 8:00 am. After the clean-up, there will be a volunteer appreciation event at Wax that includes music, food and prizes.

Sept 23 Bacon Creek Community Roundtable Join the Bacon Creek Watershed Council at 6 pm (central time) at Bonnieville City Hall as we celebrate our accomplishments and share the Bacon Creek Watershed Plan. Stay tuned for more details.

Oct 10 Advancing Green Infrastructure in Lexington This will be a full-day conference at the Locust Trace AgriScience in Lexington, KY.

Oct 12 Healthy Foods, Local Farms Conference Back for its 14th year, this year's conference will focus on the topic of Food Sustainability and Justice.

Oct 25-27 Bluegrass Bioneers Conference This 5th annual event will feature an incredible array of renowned presenters from the world of sustainability as well as live local presenters, workshops, performers, and much more.

Nov 16 KWA Annual Meeting Keep watching the website as details are confirmed for this event.

2012 Year in Review



With your help we were able to...

- ◆ Work with farmers in Bacon Creek to put 3 Best Management Practices to work on the ground - exclusion fencing, a heavy use protection area, and a cattle waterer - helping the farmer while protecting the creek.
- ◆ Assist rural residents in Bacon Creek to maintain 7 septic systems, improving quality of life while protecting the creek.
- ◆ Hold cleanups on the Green and Red Bird Rivers and on Beargrass Creek, bringing together hundreds of volunteers and removing tons of trash.
- ◆ Continue advocacy for a 5-year Farm Bill that includes incentives for farmers to protect waterways, including multiple op-eds in major newspapers.
- ◆ Continue to work with the KY Division of Water to examine past permits that fill or alter streams for mitigation compliance.
- ◆ Comment on 23 US Army Corps of Engineers permit applications for filling or altering streams.
- ◆ Comment on 12 KY Division of Water Water Quality Certification Applications.
- ◆ Speak at EPA coal discharge permit hearings in Frankfort and provide an op-ed for the Herald-Leader
- ◆ Participate in the Floyds Fork Total Maximum Daily Load process to help put the creek on a "nutrient diet."
- ◆ Work with communities to preserve and protect their local waterways!



Thanks to all of our volunteers! Without you, none of our events would be possible!!!

We would like to acknowledge Craig Garner (left) for being KWA's 2012 Volunteer of the Year! We also had the honor of hosting Erinn (right) to help in the office every Wednesday afternoon.





Harrods Creek Paddle



Annual Meeting

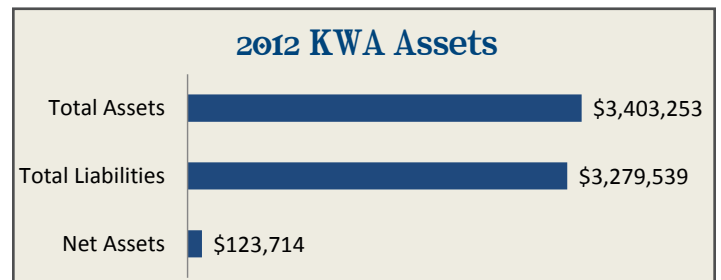
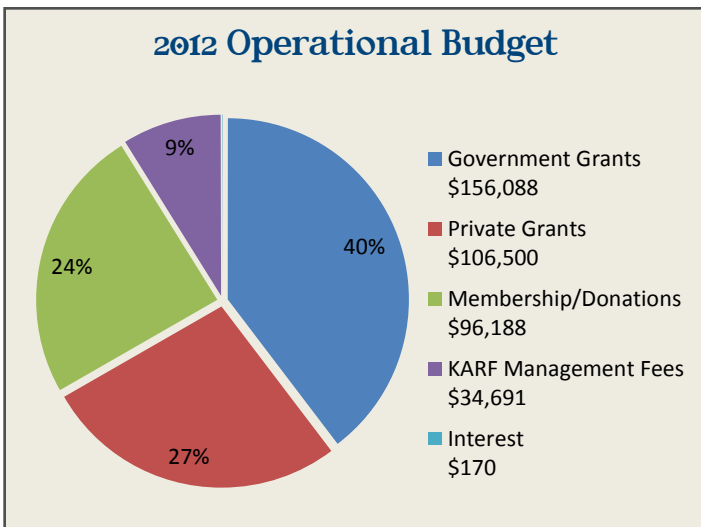
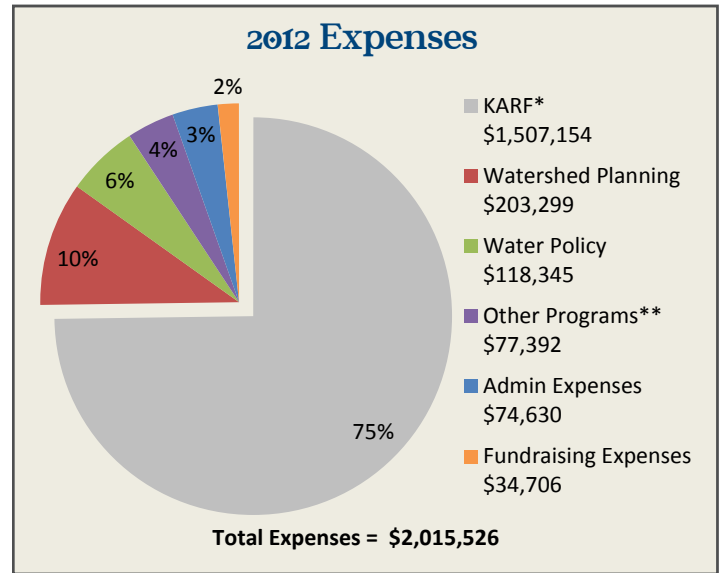
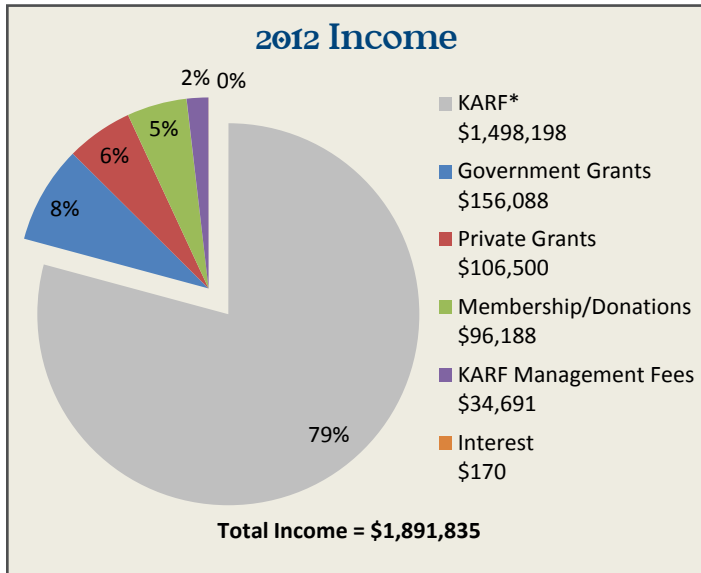


Restoration Work





2012 KWA Budget Report



* Figures include income and expenses from the Kentucky Aquatic Resources Fund (KARF), in which KWA manages a number of multi-year mitigation and research projects. Funds received in 2011 for 2012 projects are not reflected here.

** Other program expenses includes sponsoring river cleanups, river recreational paddle events, and other activities to help cleanup and educate the public on the beauty and importance of our waterways.

2012 Water Enthusiasts

We'd like to specially thank our 2012 Water Enthusiasts, or monthly supporters. Knowing we can count on their monthly donations provides a stable base for our operations, and helps us keep our organization sustainable. It means less time worrying about membership renewals, and more time on the ground, making a difference.

If you're interested in keeping your membership current by becoming a Water Enthusiast and helping us cut back on wasted renewal mailings, you can do so on our site at any time by clicking the "Donate Now" button and checking the box to repeat your donation every month.

Jenni Garland
Gordon Garner
Ward Wilson

Bruce Scott
Beverly Juett
Kevin McDonald

Rebecca & Kyle Brothers
Scott Stroot

2012 Annual Report

A publication of Kentucky Waterways Alliance: Working to protect and restore Kentucky's waterways.



2012 Donors

WATERSHED BENEFACTOR \$1000 +

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