



Happy Thanksgiving Day!



# STREAM LINE

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A PUBLICATION OF THE **KINGS RIVER WATERSHED PARTNERSHIP**

## NOMINATIONS NEEDED FOR THE KRWP BOARD

Election fever is not over. With City, County, State and National elections behind us it is time to begin the race for positions on the KRWP Board.

Every year, three positions are open for election. This year the positions are City/Community, Landowner, and Agriculture. Ann Armstrong and Mike Fitzpatrick will be running for reelection in the first two categories. Bill Ross, representing Agriculture, has decided not to run for reelection. In order to

maintain the balance of representatives, the nominating committee needs to find a candidate who could represent the interests of agriculture. There are many talented candidates out there who are just waiting to be asked, so the smart thing to do is *ask them!*

Please call or send your nomination to Bill Ross, chair of the nominating committee, at (870) 423-6106 or KRWP, attn: Bill Ross, P.O. Box 961, Berryville AR 72616.



Woolly Bear Caterpillar  
Courtesy of Rob Curtis

***KRWP Website Is Online! Check it out frequently. More will be added.***  
***<http://www.kingsriverwatershed.org>***

## FORECASTING THE WINTER WEATHER – WHO WILL GET IT RIGHT?

Every year all types of science and folklore is used by professionals and amateurs alike try to predict what the upcoming winter weather will bring. Will icy storms rage for months or will our grass remain green for most of the year? Following are some of the ways that folks have tried to tell the future using nature.

- Obtain the breastbone of a recently deceased local goose. The length of the breastbone indicates the length of the ensuing winter, while the color of the breastbone indicates its severity. A plain white breastbone indicates a mild winter while a mottled breastbone indicates a more severe one.
- Examine the stripes of a woolly bear caterpillar. They average about 1 1/2 inches long, and are bristly, with black stripes at each end and a reddish brown stripe in the middle. If the black stripes on each end are longer than the middle stripe, the winter will be harsh. A wide center stripe means the winter will be mild.
- Cut open a persimmon and you will see one of the three shapes. A fork means you will get an extra cutting of hay

either in the fall or spring, a spoon represents shoveling snow, and a knife means cold wind.

- Watch squirrels burying their nuts: the deeper they bury them the lower the lowest temperature will be for the upcoming winter. If you happen to catch one of those squirrels, examine its neck-hair. If it is thick (I don't know what you should use for comparison) than it will be a tough winter.
- When you see a ring around the Moon, count the number of stars inside and this will tell you the number of days to the next bout of precipitation. If the Moon has two rings encircling it, expect snowfall within 24 hours.
- Scrutinize the spleen of a pig slaughtered in fall or early winter. Divide the spleen into six sections, each will represent a month. Where the spleen thickens, a change in weather is indicated. A pronounced bulge represents very inclement weather.



**KINGS RIVER**  
WATERSHED PARTNERSHIP

## WATER QUALITY MONITORING REPORT

*Christmas time will be here soon*

*Mom can't use another pan,  
Pop already has too many socks,  
Daughter went South to get a tan  
Son bought himself the new X-box*

*This year give the gift of clean water to your family by making a donation to the Kings River Watershed Partnership. Gifts are 100% tax deductible and guaranteed to make you feel good on the inside. See our website for more information on how you can make a contribution.*

	Month	Stream Depth (ft)	Dissolved Oxygen (mg/L)	Nitrates (mg/L) NO <sub>3</sub> -N	Phosphorus (mg/L) Reactive	Total Dissolved Solids (ppm)
Site 1- Upper Osage @ CR 705['] above Berryville	July	1.04	6.3	0.03	0.28	115
	August	0.92	6.1	0.01	0.20	112
	Sept	0.98	7.8	0.15	0.21	125
Site 2- Lower Osage @ CR 306 below Berryville	July	0.42	4.4	0.00	1.51	373
	August	0.32	7.2	0.01	1.41	196
	Sept	0.45	9.9	0.06	2.96	260
Site 3- Kings R. just above Osage confluence	July	0.33	5.1	0.01	0.19	123
	August	0.18	7.3	0.02	0.18	119
	Sept	0.30	6.8	0.01	0.20	141
Site 4- Upper Kings, Hwy 74 bridge south of Kingston	July	0.61	6.5	0.47	0.20	70
	August	0.60	7.6	0.04	0.18	95
	Sept	NA	NA	NA	NA	NA
Site 5-Kings R. at Stoney Pt. below Grandview	July	1.02	8.0	0.00	0.25	172
	August	0.92	7.5	0.00	0.19	169
	Sept	1.20	10.4	0.03	0.21	180
Site 11-Kings R. at Rockhouse Access	July	0.30	5.9	0.03	0.20	108
	August	0.40	7.1	0.15	0.18	107
	Sept	NA	NA	NA	NA	NA

## TYSONS AWARDS GRANT FOR WATER TESTING PROGRAM

Testing the quality of the water in our rivers has been an expensive and time consuming endeavor for the Kings River Watershed Partnership. In order to test for eleven parameters at multiple sites every month, the KRWP must purchase \$1800.00 worth of supplies each year. In addition, the program is completely run by volunteers, who give a total of 20 to 30 work hours per month. We currently have the most extensive water chemistry testing program in the Kings River Watershed, and we will also be adding a biological sampling program in 2007. The data from these programs is used to gain a comprehensive view of the water quality in the watershed. Our sites are chosen carefully to document the water quality trends occurring along the Kings as a result of temperature, point sources, rainfall, tributary contributions, and other factors.

This year Tyson Foods Inc. has generously donated funds to the KRWP to cover one full year of testing supplies. Christy Smith, Tyson Foods Berryville/Green Forest Complex Environmental Manager, presented the check to Sam Davis during a visit to Osage Creek. Christy got a taste of what water testing is like as she donned the waterproof waders and stepped into the frigid waters!



The KRWP would like to sincerely thank Tyson Foods, Inc. for supporting the water testing program. The Partnership is always looking for both sponsors and volunteers. Please visit our website for more information.

The KRWP would like to thank the Carroll Electric Cooperative for printing this newsletter free of charge. This publication would not be possible without their generous gift.



## ADEQ Holds Public Hearings For Proposed Regulation 2 Changes

Procedures for the addition and removal of Extraordinary Resource Waterways could be on the verge of changing in the State of Arkansas. The Arkansas Department of Environmental Quality (ADEQ) has entered the second phase of its Triennial Review to modify Regulation No. 2, which sets water quality standards for the state. In 2006, ADEQ held public meetings and formed workgroups in order to solicit input from the public concerning water quality standards. Using that input, ADEQ created a list of proposed modifications to Regulation No. 2, which will be the subject of public hearings to be held around the state this winter.

Many of the proposed modifications are focused on the state's management of Extraordinary Resource Waterways. The proposed changes would add a section that establishes procedures for removing a designation, such as the ERW, for the purpose of constructing a reservoir on a free flowing waterbody to provide for a domestic water supply. Another added section es-

tablishes the procedure for adding designated uses to a waterbody, and what factors should be taken into consideration before such a designation is made. A third major addition outlines the criteria under which a waterbody's habitat could be physically altered. Please visit ADEQ's website for more information on the proposed changes.

[http://www.adeq.state.ar.us/water/waterquality\\_standards\\_review.htm](http://www.adeq.state.ar.us/water/waterquality_standards_review.htm)

Meetings in Arkansas include:

- December 4, 2006, Northridge Middle School Cafeteria, 120 Northridge Dr. Van Buren. 6:00 pm
- December 11, 2006, Harrison High School Commons Area, 925 Goblin Dr. Harrison. 6:00 pm
- January 22, 2007, Arkansas Department of Environmental Quality Building G Commission Room, No. 1 State Police Plaza, Little Rock. 2:00 pm

## KRWP ANNUAL MEETING WILL PROVIDE AFTER-HOLIDAY DELIGHT

The KRWP Annual Meeting is set for Thursday, January 25 at 6:00 pm. The snow date will be February 1 at the same time. The meeting will be held in its usual spot, the Carroll Electric Community Room in Berryville. The evening will be very informative and enjoyable, with a great spread of food and lots of good company. Some of the highlights will include:

- Elections for three KRWP Board Positions
- Awards for Volunteer of the Year & Land Steward of the Year
- Review of watershed plan and future project outlook
- Outline of Streambank Restoration Project set for 2007
- Review of Water Quality Monitoring results

All paid up KRWP members will be issued a voting card. You can renew your membership at the door, but please come a little early to do so. See you there!



### BILL ROSS RETIRES FROM KRWP BOARD

Bill Ross is a steadfast supporter of both agriculture and clean water in the Kings River Watershed. His sensible and thoughtful leadership, conservation ethic, and hard work has been greatly appreciated by the KRWP. We wish Bill much happiness in his future endeavors and many, many thanks. You will be missed!

## LEWIS AND CLARK OUTFITTERS DONATES KAYAK TO KRWP



Lewis and Clark Outfitters, located in Fayetteville, has donated a Heritage kayak to the Kings River Watershed Partnership. The KRWP are using the kayak to raise funds to implement community education programs in 2007. This beautiful boat will be given away in a raffle drawing during the January Annual Meeting. Chances cost \$2.00 a piece or six chances for \$10.00. Board members and Shawna Miller are currently selling tickets. Tickets will also be available at the sign in desk of the Annual Meeting.

Don't miss out on this opportunity to win a great kayak and make a donation to a very worthy organization. The rivers are still up, and you could be floating them!



Kings River  
Watershed Partnership  
Board of Directors

*Ann Armstrong*  
*Walter Karnes*  
*Bill Ross*  
*Sam Davis*  
*Ray Warren*  
*Page Shurgar*  
*James Sanders*  
*Todd Summers*  
*Mike Fitzpatrick*

The Kings River Watershed Partnership is a cooperative effort, organized exclusively for charitable, scientific, and educational purposes; more specifically to protect the health, purity, and economic viability of the Kings River watershed, now and for future generations.

Founded in 2001, the Partnership strives to represent a broad range of watershed stakeholders, primarily utilizing voluntary management improvements and collaborative agreements to protect and enhance water resources.

In October of 2004, the Kings River Watershed Partnership became a certified 501 (c)(3) non-profit organization. Feel free to give generously; your gifts are now tax-deductible!

## **Looking for more information?**

Visit us online at: <http://www.kingsriverwatershed.org>



**KINGS RIVER**  
WATERSHED PARTNERSHIP

*P.O. Box 961*  
*Berryville, AR*  
*72616*

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## **FREEZE—WHAT ARE YOU DOING WITH THAT ANTIFREEZE?**

Antifreeze, or coolant, is used as freeze protection and as a heat transfer medium for motor vehicles, heavy equipment, and buildings. The most common type is made of ethylene glycol, a material that is toxic to humans and animals. Used antifreeze may also contain levels of dissolved heavy metals that can be harmful to animal life and may contaminate soils and sediments. Antifreeze has a sweet taste that small children and animals might like. If ingested, antifreeze affects the central nervous system and can cause death. Between 25 and 50% of the 800 million gallons of antifreeze produced each year ends up improperly in the environment, and dumping by consumers is a major cause of this pollution.

### **NEVER DUMP ANTIFREEZE DOWN A SEWER LINE OR IN A STORMWATER DRAIN**

In Arkansas, antifreeze is exempt from hazardous waste regulations if it is recycled. Recycling reduces the consumption of oil and natural gas used to manufacture the active ingredients in most antifreeze: ethylene and propylene glycol. Recycling also significantly reduces the amount of antifreeze being discarded into the environment where it can threaten local water quality and ecosystems.

Antifreeze is accepted for recycling at the Eureka Springs Recycling Facility, located on Hwy. 62.