

HAPPY SUMMER SOLSTICE

STREAM LINE

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

KINGS' ROUNDTABLE NO LONGER JUST A DREAM

The day has finally come for us to embark on the organization and writing of the Kings River Watershed Plan! The first planning meeting will be held on June 30 in the Carroll Electric Pioneer Room from 7:00 - 9:00 pm. This meeting will include a presentation of the recently completed watershed assessment, the process of planning by consensus, and an introduction of all of the participants. After the short prelude, participants will divide up into the sub-groups of their choosing.

- 1) Agriculture and Rural Land Issues
- 2) Education
- 3) Urbanizing Issues
- 4) Waste Treatment

Each sub-group will be responsible for defining the short and long term goals, priorities,

action items, possible funding/partners, and problems/challenges in relation to water quality within their topic. After the initial meeting, all sub-groups will choose their own meeting times and frequencies according to the rate of progress. A 90 day time frame to complete the plans has been suggested by the KRWP Board. At the end of the 90 days (October) the groups will once again reconvene to discuss the findings and make any necessary changes before the plan is agreed upon and put into action.

All of your input is vital to the success of this process and this watershed plan. Join us in our dedication to conserve the water quality of the Kings River while maintaining our right to self-regulation and ensuring that local concerns and needs remain a priority. All interested parties invited to attend.

What do you do,
When the water is
Too low to canoe?

Water quality
testing of course!

Next Training:
**Saturday,
July 21
11:00 am**

**C.R. 306,
Osage Bridge**

Call Shawna for ques-
tions or directions.

BANK RESTORATION PROJECTS UNDERWAY ALONG THE OSAGE RIVER



Before bank stabilization of Osage Ck site



Redirective rock weir and sloped bank

Stream bank erosion can be a large-scale problem for both landowners living along the Kings and its tributaries and downstream users who are the recipients of the yearly loads of sediment.

A number of landowners living within the Kings River Watershed have been involved with stream-bank restoration projects.

Over the spring of 2005, three state agencies combined forces to help a landowner who was losing 5-10 feet of fields per year to Osage Creek. The AR Soil and Water Commission completed the design and installation for the project, the AR Game and Fish Commission furnished the equipment, and the Carroll County Conservation District supplied the labor force. On this particular bank these agencies employed toe protection, a redirective model "L" head,

and live staking in order to promote natural regeneration and bank stabilization. Over time the natural vegetation will reestablish the riparian zone between the vulnerable field system and Osage Creek.

This project was partially paid for by a Section 319 Mini-grant (about 57% of the total costs). The remaining cost share, 43%, fell upon the landowner. However, many programs allow a landowner to count labor hours and equipment usage as a significant portion of the cost share. For more information about bank stabilization projects contact any of the involved agencies or the KRWP.



KINGS RIVER
WATERSHED PARTNERSHIP

WATER QUALITY MONITORING REPORT

BY SAM DAVIS


The Kings River Watershed Partnership, in collaboration with the Arkansas Water Resources Center, directed by Dr. Marc Nelson, has finally received approval from the EPA for its Quality Assurance Project Plan.

The plan is a detailed written description of the testing methods and protocols used by the partnership in our volunteer water quality monitoring program. These Quality Assurance and Quality Control procedures that will insure the integrity of the data collected and allow its use in developing a Watershed Management plan.

The protocol includes required corroborative tests every three months to compare the partnership sampling results with a blank sample collected for analysis by the Arkansas Water Resources Center Water Quality Lab.

	Month	Stream Depth (ft)	Dissolved Oxygen (mg/L)	Nitrates (mg/L) NO 3- -N	Phosphorus (mg/L) Reactive	Total Dissolved Solids (ppm)
Site 1- Upper Osage @ CR 705 above Berryville	March	4.3	12.9	1.0	0.27	82
	April	4.6	11.1	0.3	0.15	73
	May	3.6	9.2	-	0.14	92
Site 2- Lower Osage @ CR 306 below Berryville	March	1.8	11.7	1.2	0.24	90
	April	2.3	9.3	0.8	0.58	132
	May	1.8	7.8	1.0	1.56	194
Site 3- Kings R. just above Osage confluence	March	2.5	11.1	1.3	0.14	86
	April	1.9	10.1	0.5	0.13	108
	May	1.3	7.9	0.8	0.39	109
Site 4- Upper Kings, Hwy 74 bridge south of Kingston	March	2.6	13.4	2.6	0.41	26
	April	3.0	16.5	0.6	0.09	25
	May	2.3	8.5	-	0.12	32
Site 5- Kings R. at Stoney Pt. below Grandview	March	3.6	12.8	1.6	0.22	105
	April	3.6	10.4	1.2	0.18	100
	May	3.0	10.0	0.9	0.40	133
Site 10- Keel's Ck. .5 miles above Kings R. Confluence. CR 329	March	1.8	11.9	1.2	0.11	151
	April	1.6	13.8	0.6	0.12	191
	May	1.6	10.0	0.6	0.23	153
Site 11- Kings R. at Rockhouse Access	March	2.3	12.2	1.4	0.36	84
	April	2.5	11.4	0.8	0.15	88
	May	1.7	10.7	0.6	0.13	99

Delicious & Nutritious

Banana Boats Have it All 

For a delicious campfire treat, slice open one side of a banana. Stuff it with....

Chocolate
Nuts
Marshmallows
Dried fruits
Graham crackers
Granola

Anything scrumptious!

Mix all ingredients into the banana. Roll the whole boat in aluminum foil and set it in the coals of your campfire. Wait until the whole things sizzles. Remove carefully, open, and enjoy!

MADISON COUNTY MEETING IS FIRST STEP IN BI-COUNTY COOPERATION

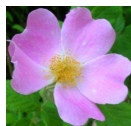
The Kings River Watershed Partnership held its first Madison County public meeting in May at the Marble fire station. Forty-five folks, mostly Madison County residents, came out to hear presentations about the Partnership's history, mission, and goals. Previously, the Partnership had held all of its meetings in Carroll County, where it has garnered a great deal of support and local trust.

This meeting was the first step in opening up a relationship between Carroll and Madison counties concerning the shared watershed of the Kings River. It is hoped that eventually residents from all six counties making up the watershed will be able to coordinate activities and priorities in order to protect and improve the region's environmental and economic assets.

WATERSHED ASSESSMENT DRAFT FINALLY COMPLETED

FTN Associates has completed the first draft of the much anticipated Kings River Watershed Assessment. This assessment provides a compilation of data and estimations of sediment and nutrient loads coming from different sources and from different areas, which will be used by the Roundtable to determine priorities for projects and funding. The assessment also includes a very thorough collection of maps which illustrate different features of the watershed; including soil types, geology, land use/land cover, percent slope, streambank erosion sites, and much more. To hear more about it, join us on June 30 for the Kings Roundtable meeting!



Purple cone-
flower

Prairie Rose

Butterfly
WeedYellow
ConeflowerQueen Anne's
Lace

FISHING UPDATE

BY TONY HARLAN

(Update given on 6/13/05) Greetings to everyone from Trigger Gap. The pop-up thunderstorms caused by daytime heating seem to have settled the dust from the dry spring. The river is low but still floatable from Rockhouse Creek to Trigger Gap. The hot days have warmed the river and made it perfect for swimming. Take your mask and snorkel along, the low water is very clear and it's almost like having a freshwater barrier reef in the Ozarks. If you snorkel around shoals you'll see the best variety of aquatic life.

Anglers and smallmouth bass are both enjoying the slow flow of the low water. The warm water temperature has kick-started the top water bite. Most topwater plugs will receive ferocious strikes. Throw a buzzbait around sunken logs or boulders and hang on! And, of course, any soft plastic in a green pumpkin or watermelon/red flake color will take even the wariest bass when worked slow on the bottom.

Another item often overlooked is the vast array of wildflowers blooming in the watershed. Yellow primrose and Queen Anne's Lace are abundant in most fields adjacent to the river. Purple cone flowers (Echinacea), Prairie Rose, and Orange Butterfly-weed can be seen growing from rocky out-croppings and blufflines. Of special note, very rare Yellow cone flowers are blooming along Hwy 221 just through Trigger Gap. So get out and go play in your own backyard. There are lots of things for everyone to enjoy on the Kings River. I could list many more if only I had more space. But for now, I'll just... Shut up and fish!

SEPTIC TANK HEALTH

The experts tell us that septic tanks are designed for trouble free operation, PROVIDING THEY ARE PROPERLY SERVICED. No one can tell you how often your system needs to be serviced, because it depends on how many people use it and what is put into it. You may be gauging your system's success on the absence of sewer coming up in your backyard. Please remember that this area is covered with sinkholes and fractures that can act as a sewer superhighway, moving waste off of your property and straight to our rivers and groundwater supply.

For normal domestic systems, the tank should be checked every 3-5 years and pumped if necessary. Some folks might say that a tank never needs to be pumped. Unfortunately the micro-organisms that feed on the sludge in the tank can only reduce its volume, not eliminate it completely. Without pumping, your tank will eventually fill up with accumulated solids, and ALL of your waste will move straight into your yard, creating a toxic hazard site!

Look in the Yellow Pages for Septic Tank Service companies. They will arrive within a few days of your call, to test and pump your septic tank, for a charge between \$100 to \$125.

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.

BY MIKE FITZPATRICK

Official "Don'ts" for septic systems

Courtesy of the Dept. of Environmental Health

- Don't** use a sink garbage disposal unit
- Don't** flush paint thinners, solvents, oil or disinfectants
- Don't** flush sanitary napkins, tampons, disposable diapers or non-biodegradable products
- Don't** connect the water softener back-flush to the septic drain
- Don't** waste money buying septic tank additives. They have no proven effectiveness
- Do** have your septic system checked and pumped if necessary



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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?

Shawna Miller

Kings River Watershed Planner

Phone: (479) 981-1172

Email: kingsriver@earthlink.net



EVENTS COMING UP THIS SUMMER IN THE WATERSHED.....

The KRWP wishes to keep all of its members notified of pertinent events that may have environmental or economic implications within the watershed. This section is for information purposes only, and does not represent an endorsement by our Partnership.

Unpaved Roads Maintenance Workshop

The Ozark Highlands Office of The Nature Conservancy will hold an unpaved roads maintenance workshop on July 26-27 at the Carroll Electric Coop. in Berryville.

This free workshop is designed to help county judges, officials and their staff in the Kings River Watershed to more efficiently and cost effectively maintain unpaved county roads in their jurisdictions.

For more information or to register, contact Doyle Crosswhite at (479) 973-9110.

Arkansas Wildlife Conservation Strategy

A partnership of Arkansas agencies, led by the AR Game and Fish Commission, are currently developing a comprehensive wildlife conservation strategy in order to receive federal funding through the State Wildlife Grants Program. This funding will support conservation programs which address "species of greatest conservation need." To offer your input on the proposed list of AR species or the draft strategy to protect these species, visit the following website:

www.wildlifearkansas.com