



Channels

PRIZES
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September – October 2010

4281
Stream Teams
Strong!

Information for and about Missouri Stream Teams

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News from Missouri
Stream Team
Watershed Coalition

City of Columbia Crawdads Are Flexing Their Cleanup Claws!

By Amy Meier, Stream Team Biologist

Stream Team 3517, the City of Columbia Crawdads, has discovered an entire community of dedicated citizens willing to take the time to remove litter from its streams for a cleaner, healthier Columbia. In just the last year, 800 volunteers have served 2,600 hours cleaning up local streams in nearly 50 litter pickup events!

Mike Heimos, the Stormwater Educator for the City of Columbia, says he is amazed at the pride in which citizens take in caring for and cleaning local waterways. “Last fall, Alpha Phi Omega, a volunteer organization from the MU campus, cleaned a quarter mile portion of Rock Quarry Road in Columbia. In just that short distance of roadway, both sides up and back, they picked up 1,500 pounds of trash, and I mean just trash, not large heavy items,” Mike muses, also noting that this group of young people showed up in freezing cold, wet weather

and never uttered a single complaint. That’s 1,500 pounds of trash that would have ended up in Hinkson Creek without the help of devoted volunteers!

Volunteers for Stream Team 3517 can range from families, school groups and

college students to professionals and retired individuals wanting to make a difference in their community. Often times, parents involve their small children in cleanups or marking storm drains. Mike reflects upon his experiences working with family groups: “These parents have explained to me on many occasions that the idea of volunteering is something they want to instill early in their children’s lives and that being part of a community is an important part of everyday life.” He also points out that he feels very lucky to work in Columbia with the Stream Team Program and is proud of all the people that volunteer for the Program.

Anyone in the area can volunteer with the City of Columbia Crawdads Stream Team, even if they have never done any kind of Stream Team activity before. Just call Mike Heimos at 573/817-6447 or e-mail mjheimos@GoColumbiaMo.com and he will be happy to provide cleanup materials. The next city-wide event will be the 8th Annual Hinkson Clean Sweep on Saturday, October 16, from 10:00 a.m. – 12:00 p.m. Hinkson Clean Sweep covers portions of Hinkson Creek, Flat Branch Creek, and Bear Creek in Columbia, and over 400 Columbia citizens joined the effort in 2009. For more information, visit www.GoColumbiaMo.com or contact Mike Heimos to sign up for a participating stream location.



Den 8 Boy Scouts learned about watersheds with the Stormwater Educator, then walked the Flat Branch Creek picking up trash.
(photo by Mike Heimos)

Did you know ...?

Continued on page 2

Farewell

By Priscilla Stotts, DNR Stream Team VWQM Coordinator

Stream Teams are growing every day . . . growing in number, becoming more observant, and getting more involved. It is impossible not to be excited about the Program and to love the citizens that power it! The first day I came to work as a Stream Team Volunteer Water Monitoring Coordinator, I knew it would be an exciting job. I kept a newspaper clipping picture of a Team looking over a trash-filled stream with empty trash bags in hand. A week later, I received photos of the same stream reach completely cleaned and a note asking if this might be a good site to monitor. It filled my heart with determination to assist an extraordinary group of citizens in being the best stream stewards they could be.



Because I read all of the WQM data sheets submitted to the Program, I had the joy of getting acquainted with many volunteers. I gleaned information from the data and their comments, which are nearly as informative as the data itself. I called the DNR Regional Office field staff and reported problems, or encouraged our trained volunteers to report the location and situation (staff need to hear from our citizens).

Protecting streams does take real diligence. I felt your pain when you wrote that the erosion from land-use changes had buried the riffles and that floods had taken the bank vegetation with it. I cried when you told me of the homeless people you found living in the woods as you completed your activities.

Because of your passion and dedication to keep the health and beauty of our streams, others will join in and help. Your determination is like the sweet smell of fresh apple pie sitting on a picnic table . . . folks just can't pass it by. Thanks for giving me a whiff of the pie. I have enjoyed serving you. You have blessed my life. I will not be going away, I will be around and am looking forward to having more time to volunteer as Stream Team 1221.

Take care,

Priscilla

Level 1 Water Quality Monitoring Workshops Have Been Scheduled

(Intro Level Workshop is prerequisite.)

Sign up soon!

See calendar on page 4.

Submit your tips or questions to
Sherry.Fischer@mdc.mo.gov or call
573/522-4115 x 3169.

Tips from the Teams

Q: Should I keep my Team number or start a new Team if I'm moving to a new location? What about my monitoring equipment . . . should I take it with me or leave it behind?

A: Because we keep records of adopted streams and activity locations, this can become complicated.

Especially if you're a volunteer who has turned in water quality data, that data and your Team number are associated with your individual identification number and training level. It also makes a difference if someone else will be continuing in your footsteps at the old location. Whew! What seems very simple on the surface can suddenly become a data processing nightmare!

We have found some ways to make location transitions a little easier, but what we recommend may depend on the specifics of your situation. Our recommendation is that you contact us and we will help you determine the best solution.

As for water quality monitoring equipment, you should take that along with you if you relocate. Equipment is issued to you as an individual trained monitor, not specific to your site or Team. If you decide to discontinue monitoring, let us know and we'll provide a way for you to return your equipment to us.

Thanks for your diligence in helping us keep everything straight!

...copies of...

Continued on page 3

Team Snapshots



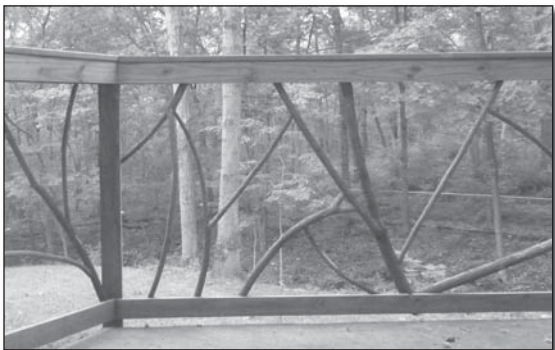
Members of Team 3714, Wildcat Glades Audubon Center, are trained in water quality monitoring.



Students from Chillicothe Middle School, Team 779, stenciled storm drains to educate their community.



Marshall residents participated in an annual spring cleanup hosted by Team 1499. (photo courtesy: The Marshall Democrat News)



Look at this decorative railing which Team 3988 constructed with Bush Honeysuckle branches!

The Riffle Review

a bi-monthly glimpse of Stream Team activities

Since our last issue of Channels, Stream Team members reported:

- 589 total activities
- 31.49 tons of trash collected
- 3,632 total participants
- 327 water quality monitoring trips
- 17,640 total hours
- 5,420 trees planted

Check out more highlights below . . .

Team 463 Greenway Network held their bi-annual Dardenne Creek Monitoring Day. With the help of 36 volunteers from 12 different Stream Teams, they monitored 19 of the 20 monitoring sites along the 27 miles of Dardenne Creek in St. Charles County. Great work everybody!

Team 888 The Maline Creek Stream Team has been busy in the St. Louis area conducting water quality monitoring, attending workshops, and manning displays at several schools and events. Way to go and congratulations on receiving a 2009 Stream Team Ambassador Award!

Team 1743 The MSU West Plains Stream Team, in cooperation with the USDA-NRCS South Missouri Water Quality Project, presented hands-on water related activities at 23 elementary schools in 7 southern Missouri counties. Way to spread the good word about water quality!

Team 3999 The CHERP Stream Team designed and implemented a 1700+ sq. ft. rain garden. The rain garden was a part of a service learning project for students at the University of Missouri–St. Louis.

Team 4023 The Amarugia Ridge Runners Stream Team have hit the ground running in 2010, adopting their first water quality monitoring site. Congrats!

Team 4031 The Timberland/Walnut Creek Stream Team is actively caring for the Sac River and Stockton Lake with their Monofilament Recycling bins. They've installed an additional 6 tubes this year. Also congratulations to Linda and Sharon on receiving a 2009 Stream Team Ambassador Award!

Team 4071 The Mustang Stream Team from the Eldon After-School Program conducted a litter pickup and tree planting on Saline Creek in Miller County. With the help of 76 students and volunteers, they collected 45 bags of trash and planted 50 trees. Great Work!

Team 4173 The Rolla High School Stream Team held their 4th Annual Litter Pickup on Duro Carter Creek. With the help of 71 high school students, they cleaned 2.5 miles of stream. Awesome!!!

... previous fact sheets are ...

Continued on page 4

7th Graders, Bugs, Water Testing, and *Trash!*

By Kelly White, Stream Team 3553



Seventh graders at Christ Light of the Nations School in St. Louis, Team 3553, have been diligently learning about different parts of Missouri streams including fish and invertebrate life, ways to test water quality, sources of pollution, ways to clean water, and more. Recently their class work came to life when they

spent the afternoon studying Watkins Creek, located 15 minutes away from school. The students monitored water quality, examined stream life, and pulled out several bags of trash including a vacuum cleaner, a lawn mower motor, and a rug.

From their experience the students learned the creek is in decent shape because it is home to many different types of invertebrates and there are lots of plants nearby, but there is also lots of trash which is hurting the stream. The students also learned that being outside is an incredible way to learn and have fun! The students and their leader, Mr. White, would like to say a big thank you to the fine folks at Missouri Stream Team and Claire S. who helped to make this great day possible.



... still available AND ...

Continued on page 7

TEAM CALENDAR

For even more events,
see our online calendar
at mostreamteam.org.

SEPTEMBER

- 4-6 Ozark Wilderness Waterways Club 51st Annual Labor Day Weekend River Cleanup.**
To register, call Judy Guyn at 816/363-0925 or e-mail jaguyn@aol.com.
- 11 Missouri River Relief cleanup, St. Charles.**
Call 573/443-0292 or go to www.riverrelief.org.
- 11 Level 1 VWQM Workshop, Hillsboro.**
Register on-line at www.mostreamteam.org.
- 12 5th Annual Outfitters & Stream Team Niangua River Cleanup, Bennett Springs Public Access.**
9:30 a.m. For more info, call 417/426-5112 or e-mail streamteam3117@yahoo.com.
- 18 Level 1 VWQM Workshop, Springfield.**
Register on-line at www.mostreamteam.org.
- 25 Level 1 VWQM Workshop, St. Joseph.**
Register on-line at www.mostreamteam.org.
- 25 Level 1 VWQM Workshop, Poplar Bluff.**
Register on-line at www.mostreamteam.org.

OCTOBER

- 2 Level 1 VWQM Workshop, Macon.**
Register on-line at www.mostreamteam.org.
- 2 Level 1 VWQM Workshop, Jefferson City.**
Register on-line at www.mostreamteam.org.
- 16 Level 1 VWQM Workshop, Fort Leonard Wood.**
Register on-line at www.mostreamteam.org.
- 16 Hinkson Clean Sweep, 10 a.m. – noon, Columbia.**
Contact Mike Heimos at 573/817-6447 or e-mail mjheimos@GoColumbiaMo.com.



Stream Team Activity Report

Stream Team Activity 1

Type of activity: (see code list at right) _____
 Activity date: _____
 Stream name: _____
 Activity county: _____
 Activity basin: _____
 Miles of river covered: _____
 Number of volunteers involved: _____
 Hours spent on project: _____
Measurement : Please list number of monitoring trips, bags of trash collected, letters written, trees planted, events held, etc. See code list at right.

Location Description: Please provide a detailed location for your activity. (Example: 100 yds. upstream from Hwy. 63 bridge.) Include township, range, and section if possible. A good resource for maps can be found at www.digital-topo-maps.com.

Project Description: Please include as much information as you can about your activity. Include facts about the project not covered above. (Example: "Held 4th Annual litter pickup and picnic at Dry Fork Creek.")

Stream Team Activity 2

Type of activity: (see code list at right) _____
 Activity date: _____
 Stream name: _____
 Activity county: _____
 Activity basin: _____
 Miles of river covered: _____
 Number of volunteers involved: _____
 Hours spent on project: _____
Measurement : Please list number of monitoring trips, bags of trash collected, letters written, trees planted, events held, etc. See code list at right.

Location Description: Please provide a detailed location for your activity. (Example: 100 yds. upstream from Hwy. 63 bridge.) Include township, range, and section if possible. A good resource for maps can be found at www.digital-topo-maps.com.

Project Description: Please include as much information as you can about your activity. Include facts about the project not covered above. (Example: "Held 4th Annual litter pickup and picnic at Dry Fork Creek.")

Stream Team Activity 3

Type of activity: (see code list at right) _____
 Activity date: _____
 Stream name: _____
 Activity county: _____
 Activity basin: _____
 Miles of river covered: _____
 Number of volunteers involved: _____
 Hours spent on project: _____
Measurement : Please list number of monitoring trips, bags of trash collected, letters written, trees planted, events held, etc. See code list at right.

Location Description: Please provide a detailed location for your activity. (Example: 100 yds. upstream from Hwy. 63 bridge.) Include township, range, and section if possible. A good resource for maps can be found at www.digital-topo-maps.com.

Project Description: Please include as much information as you can about your activity. Include facts about the project not covered above. (Example: "Held 4th Annual litter pickup and picnic at Dry Fork Creek.")

Stream Team Activity Code List

Activity	Code	Measurement
Litter pickup	LPU	Number of litter bags
Water quality monitoring	WQM	Number of trips
Pre-activity planning	PLN	Number of events
Stream Team meeting	MTG	Number of attendees
Stream workshop attended	WKS	Number of attendees
Education project	EDU	Number of events
Letter written on stream issue	LET	Number of letters
Article written for newspaper, etc	ART	Number of articles
Media contact/interview	MED	Number of interviews
Tree planting	PLT	Number of trees
Presentation to groups	PRE	Number of presentations
ST display at school, fair, etc.	DIS	Number of events
ST Inventory Guide submitted	INV	Number of inventories
GPS Reading 	GPS	Number of trips
Zebra mussel monitoring form	ZEB	Number of trips
Storm drain stenciling	SDS	Number of drains stenciled
Monofilament recycling project	MRP	Weight of line recycled
Streambank stabilization project	SSP	Number of events
Habitat improvement	HAI	Number of projects
Advocacy on stream issue	ADV	Number of hours
Photo Point Monitoring	PPM	Number of photos
Greenway development	GRE	Number of projects
Recruited new Team/members	REC	Number of people recruited
Stream Team mentoring	MEN	Team mentored & hours
Stream Access Maintenance	SAM	Number of litter bags/events
Adopt-An-Access	AAA	New Accesses Adopted
Forestkeepers monitoring	FOR	Number of events
ST Association activity	ASC	Number of hours
Award received	AWA	Number of awards
Grant applied/received	GRT	Number of projects
Watershed mapping	WAT	Number of trips
Assisted MDC fish stocking	FIS	Number of events
Other, please describe	OTH	Number of Projects



Activity Prize Drawing

Prize Winners:

- ★ Angel Mlddaugh—Archie, MO
ST 4023—Amarugia Ridge Runners
- ★ Ron Bishop—Jackson County, MO
ST 41—Ozark Wilderness Waterways
- ★ Fred Martin—Poplar Bluff, MO
ST 689—Black River Bayou Bandits
- ★ David Girshner—Sparta, MO
ST 387—The Girshner Family Team
- ★ Josh Harris—Leadwood, MO
ST 4169—Big River Baggers
- ★ Sara Metassart—Sparta, MO
ST 387—The Girshner Family Team
- ★ Sarah Moonier—Fenton, MO
ST 3806—Rockwood Summit High

Prizes Won:

- ★ Pelican Zest kayak
- ★ Cabela's camp light set with remote
- ★ Igloo 12-qt. cooler
- ★ Burt's Bees lip balm, body bar, lotion
- ★ Eddie Bauer water bottles with ice insert
- ★ \$15 iTunes gift card
- ★ Youth prize: Critter Keepers carry case

NEXT Prize Drawing

- ★ Smoke 'n Grill with sauces/rubs
- ★ Hammock chair
- ★ Barnes & Noble \$15 gift card
- ★ Earring and necklace bead set
- ★ Soft-sided cooler
- ★ Weather Alert Radio
- ★ Youth prize: Missouri Outdoors set



Please keep sending us
your Activity Reports . . .
YOU might win NEXT!

Stream Team Awards

For Activities Conducted in 2009



Linda Swaim

Wildcat Glades Audubon Center—Stream Team 3714
Southwest Ozarks Stream Team Association—Stream Team 4139



David and Mark Kuechenmeister

Maline Creek—Stream Team 888



Sharon Vantuyl and Linda Bishop

Friends of Claycomo Parks—Stream Team 3062
Timberland/Walnut Creek—Stream Team 4031



George Sims

Bonne Idee Farm—Stream Team 3480
White River Hills Stream Team Association—Stream Team 3798

New Interactive Map Unveiled

By Kat Lackman, Stream Team Assistant

How long has it been since you've visited the Stream Team Website? If it has been a while, you should go check it out . . . www.mostreamteam.org. We have recently revised our interactive map, and it's easier to use and contains more useful information!

Our newly designed map is powered by Google^(TM) and has many of the same conveniences of Google^(TM) Maps. You should enjoy the ability to toggle between Map, Satellite, and Terrain views to help locate your sites. Then simply click on the icons to display the location information and associated data. Some views do display different zoom levels so be sure to check them all out. At the bottom of the page is a link for a printable list of activities and their codes which are noted for each location on the map.

This is the first of several new changes you'll be seeing from the Program related to the use of technology. We are moving towards an online database which would allow you to enter your activities and WQM data directly into the system and immediately see them appear on the map! We are a ways off from having all the bells and whistles tuned up, but we thank you for your continued dedication and patience!

... binders to store them in ...

See page 8



MISSOURI STREAM TEAM
PO BOX 180
JEFFERSON CITY MO 65102-0180



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COALITION CORNER:

News from the Missouri Stream Team Watershed Coalition

By Holly Neill, Executive Director, MSTWC

Last fall the Missouri Stream Team Watershed Coalition received funding through a Section 319 Nonpoint Source Management Program mini-grant, administered by the Missouri Department of Natural Resources through amendments to the Clean Water Act to help focus state and local nonpoint source efforts.

The most difficult form of stream degradation to realize is nonpoint source pollution. Informing and educating the masses on this serious issue will take the cooperation of not only the agencies mandated to regulate developers, industry, and agriculture, but

concerned citizens making good choices on managing their own land whether large or small landowners. With the help of our sponsors, MSTWC will carry this message right to the individual Stream Teams.

One way we are working to disseminate information more effectively and efficiently is through a new mass e-mail system. Over the next several months you will be noticing changes in the way you receive your Stream Team information. In addition to Stream Team snail-mail, you will have the opportunity in the near future to receive electronic mail instead of, or in addition, to your hard copy mailing. So stay tuned . . .

To learn more about the Coalition and Stream Team Associations, please visit the Stream Team Web site: www.mostreamteam.org. If you are interested in learning more about the 319 program, visit: www.dnr.mo.gov/env/wpp/nps/index.html.

... just call us at 1-800-781-1989
or e-mail streamteam@mdc.mo.gov.