



November–December 2009

**4082**  
**Stream Teams**  
**Strong!**

Information for and about Missouri Stream Teams

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# Watershed-Wide Trash Bash

September 19, 2009 was the launch date for the first annual watershed-wide cleanup for the River des Peres Watershed in the St. Louis area. Donna Anderson (Stream Teams 3467 and 2991), who works for the Metropolitan Sewer District (MSD) Stream Team 2765, was instrumental in planning the event. She worked closely with River des Peres Watershed Coalition, Great Rivers Greenway, Missouri Stream Team, and AmeriCorps. MSD has a special concern about polluted stormwater runoff commonly transported through storm sewer systems in the greater St. Louis region. MSD and 59 municipalities in the region are implementing projects as a part of their Stormwater Management Plan to reduce the contamination of stormwater runoff. River des Peres is one of three watersheds in this region, and this was just one event to help them achieve their goals. Similar challenges are faced by urban communities in other watersheds and throughout the state because urban runoff has a significant impact on water quality.

Other members from various Stream Teams came through to help with the Trash Bash. Experienced Stream Teams were asked to serve as Site Leaders for the cleanup. As many of you know, there is an art to stream cleanup, and knowing a few tricks of the trade helps tremendously! Thanks to Tom Ball, Lorin



Volunteers at the first annual River des Peres Trash Bash collected over 2,400 pounds of trash!

Crandall, Stacy Arnold, Danelle Haake, Cindy Duhigg, Geoff Janovsky, Dan Sherburne, Carlos Aquino, John Colbert, and Jessie Cargas for lending a hand.

Several municipalities including St. Louis, Shrewsbury, Crestwood, Clayton, Marlborough, St. George, Pagedale, and Lakeshire participated and provided dump trucks, pick-up trucks, dumpsters, and much needed manpower. Sponsors worked together to provide supplies, prize drawings, lunch, and live music for all to enjoy. This was truly a "team" effort!

At the end of the day, 111 volunteers removed 1,680 pounds of scrap metal and 2,440 pounds of trash. Not a bad start for a first annual event! If you look closely, you'll see the River des Peres smiling!

Urban streams provide a wide variety of "trash treasures." You never know what you'll find!



**Did you know...?**

Continued on page 2

# An Itch To Go **Musseling**

By George Sims  
Stream Team 3840

As George Sims climbed into his Jeep for the 170 mile trip to Sedalia, his wife said, "I'll bet you are the only person to show up. Nobody else is odd enough to attend a two-day workshop on identifying mussels." Amanda, however, was wrong! Twenty-nine folks from throughout Missouri assembled at the state fairgrounds in Sedalia on July 18-19 and were treated to an exciting Stream Team Academy session on Missouri's freshwater bivalves.

On the first day, the participants learned from personnel at the Department of Conservation, Fish

and Wildlife Service, and other experts about the distribution, morphology, reproduction, and classification of these interesting invertebrates. Included were presentations by Midwestern mussel expert and author Karen J. Couch, of Kansas, and Dr. Chris Barnhart, Professor of Biology at Missouri State University, a leading authority on bivalves.

On Sunday, the group boarded a bus for a short drive to the nearby Lamine River, where approximately 15 canoes took to the waters for a morning's float trip. Soon the students were scrambling over gravel

bars and wading in muddy flats, learning to identify pistolgrips, fatmuckets, mapleleaves, heelsplitters, deertoets, wartybacks, lilliputs, and pocketbooks. Everyone left with a new field of knowledge and an itch to go "musseling" on their own stream back home.



Above, Dr. Chris Barnhart (MSU) and Dee Ogle (Joplin Master Naturalist & Stream Team 3308) collect mussels from the Lamine River.

**Don't wait 'til the last minute  
to turn in your 2009 activities.**

We want to hear from you whether you did a little or a lot!

Submit online at [www.mostreamteam.org/datasubmissions/actreport.aspx](http://www.mostreamteam.org/datasubmissions/actreport.aspx)

or use the paper Activity Report form on pages 5 - 6.

**Missouri streams thank you for all your hard work!**

Submit your tips or questions to  
[Sherry.Fischer@mdc.mo.gov](mailto:Sherry.Fischer@mdc.mo.gov) or call  
573/522-4115 x 3169.

## Tips from the **Teams**

**Q:** My Team is small and we need help getting our projects done. Any ideas?

**A:** Many small groups are faced with this dilemma! One option is to make some contacts in your community.

Scout troops, 4-H Clubs, or FFA groups are often looking for ways to fill their volunteer service hours or complete projects for badges. Your event could provide just the opportunity they need. As a bonus, you'll have the opportunity to educate a youth group about your adopted stream, the watershed (area surrounding your stream), and how they can make a difference.

Another option is to take a look at the subdivisions, businesses, schools, or churches in your watershed. All these groups have a vested interest in the health of streams within the community. Making them aware of the need may encourage them to get involved with your efforts.

Finally, request a list of "other groups in your watershed" which is a printout from our Stream Team database that lists other Teams in your area. Many Teams take pride in helping out a "neighbor."

Don't feel overwhelmed; there are lots of ways to involve others!

**... it's estimated ...**

Continued on page 3

# Team Snapshots



Jerry Mitchell and helpers from Team 27 collected lots of tires and some unique "trash treasure bicycles" during their Big Piney cleanup.



Stream Team 1875 kids scored one of the biggest pieces of trash at the Missouri River cleanup in Jefferson City – a chest freezer!



Darryl Crites reported his Old Cove Canoe volunteers of Team 3200 worked hard cleaning tires and scrap metal from the Meramec.



Stream Team 3's youngest member enjoyed watching Operation Clean Stream volunteers working out of Devil's Back Floats on the Bourbeuse. Annually for the last 42 years, Operation Clean Stream involves service groups, outfitters, Stream Teams, and hundreds of people cleaning tons of trash from the entire Meramec watershed.

# The Riffle Review

a bi-monthly glimpse of Stream Team activities

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

- 397 total activities
- 26.99 tons of trash collected
- 4,256 total participants
- 101 water quality monitoring trips
- 12,242 total hours
- 670 trees planted

Check out more highlights below . . .

**Team 3** Bourbeuse River Clean Stream held their first ever tire recycle collection event where they successfully collected 734 tires and hope to make this an annual event. Great Work!

**Teams 218** Herb Turner and the Waynesville Middle School LEAP Stream Team removed 2.3 tons of trash from two dump sites in the Mark Twain National Forest in Pulaski County. They recycled 850 pounds of that trash. Keep it up!

**Team 3113** Glenn Taylor has had a busy spring conducting chemical monitoring at 13 locations in Clark County . . . all in 2 days. Way to Go!

**Team 3206** The Garbage Guerrillas had over 180 volunteers at their cleanup on Cape LaCroix Creek. They collected 100 bags of trash and several tires from the 4 miles of stream covered. Fantastic!!

**Team 3216** The Hide Away Acres Stream Team is going the extra mile. In addition to their monitoring efforts on the Black River, they are involving the community by starting a paper recycling program at a local company in Kirkwood.

**Team 3308** The Ogle family of the Glendale Fork Stream Team have been busy this year conducting water quality monitoring, litter pickups, and mentoring neighboring landowners about water quality and its importance. Excellent!!!

**Team 3495** The Big River Litter Gitters held their second annual litter pickup and BBQ on the Big River and came away with 22 bags of trash, 35 tires, two trash cans, ¾ of a picnic table, and a Little Tykes Kitchen.

**Team 3714** Wildcat Glades Conservation Area & Audubon Center Stream Team recently launched their Stream Team Web page. Check them out at [www.wildcatstreamteam.org](http://www.wildcatstreamteam.org).

**Team 3886** The Binder Lake Stream Team installed four monofilament recycling bins at Binder Park in Cole County. They also have plans to assist Team 1417, Binder Lake Buddies, with their annual cleanup this fall.

**Team 3988** The Eco Puppies have been busy logging over 50 hours of habitat improvement removing bush honeysuckle and planting trees on a tributary to Bear Creek in Boone County. Nice Work!

...that 90% of the biomass in ...

Continued on page 4

# Teams 60 & 4039

## From One Generation To the Next!

By Stephen & Deborah Yemm



Debbie and Steve Yemm began their involvement with the Program as members of Stream Team 60, the Kondike AC Group – one of our 20-year-old Teams. Recently though, they started a new Team in a new area: Team 4039, the Upper Castor River Stream Team. The new Team recently

held their first river cleanup; participants included Debbie and Steve Yemm, their sons Simeon and Treston, and Steve Bippen Sr. and Jr.

Trash at their put-in gravel bar, which parallels a county road, filled their first trash bag. The group spent 7 ½ hours wading the Castor River, digging out tires, walking gravel bars, cleaning out firepits, and pushing heavily loaded canoes through gravel and bedrock shallows. By the time the Team got to their take-out at Highway A near Marquand, the group's haul included nearly ½ ton of trash, of which they were able to recycle over 92%!

During the day, they visited with several fishermen including a man from Carbondale, Illinois who was fishing with his daughters. The man mentioned they receive the Missouri Conservationist magazine and had read about Missouri Stream Teams. They were happy to meet a real Team in action!

The future holds many plans for the new Team. They hope to involve local school groups, attend water quality monitoring training, and hold another cleanup next spring. They have also started talking with two other nearby Teams about creating a Castor River Watershed Association. This would provide more continuity for continued efforts to take care of the Castor River.

To get involved in future Upper Castor River Stream Team activities, contact Debbie Yemm at 573/783-5141 or e-mail [dhyemm@hughes.net](mailto:dhyemm@hughes.net).



Above, Steve and Simeon Yemm are nearing the end of a clean-up section with a huge load of trash. Notice the kayak they won at this summer's Stream Team 20th Birthday celebration!



At left, Debbie Yemm is ready for a day cleaning the river!

# TEAM CALENDAR



## November

- 7 Tenth Annual River Des Peres Fall Cleanup, 1 – 4 p.m., St. Louis. Contact Danelle Haake at 314/941-0989.
- 21 Wetland restoration workday, 9 – noon, Creve Coeur Lake Memorial Park, St. Louis County. For information, call Mitch Leachman at 314/599-7390 or e-mail [stlaudubon@charter.net](mailto:stlaudubon@charter.net).

## December

- 5 Missouri Stream Team Watershed Coalition meeting, 10 a.m. – 4 p.m., Jefferson City. For information, call Mark Van Patten at 573/522-4115 x 3892 or Larry Cain at 314/638-9646.
- 5 Operation Wild Lands Litter Pickup at Castlewood State Park, 9 – noon, Ballwin. Sponsored by Open Space Council, contact Katie Park at 636/451-6090.
- 12 Grand Glaize Creek Watershed Monitoring event, 8 a.m. – noon, Manchester, Kirkwood, Valley Park, & Ballwin. For information, contact Bob Jung at 314/494-8432 or Darlene Haun at 636/225-3946.

... the Missouri River ...  
Continued on page 7



# 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](http://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](http://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](http://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 	TRP	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



## 20th Birthday Celebration Prizes Pelican Zest Kayaks

For activities conducted during Stream Team's 20<sup>th</sup> Celebration:

- ◆ David Mellott—Kansas City, MO  
Stream Team 1181—The Mellott Team

Onsite Birthday Party Winner:

- ◆ Debbie Yemm—Marquand, MO  
Stream Teams 60 & 4039—The Klondike AC Group & Upper Castor River Team

## Activity Prize Drawing

Prize Winners:

- ◆ Mark Hensley—Farmington, MO  
Stream Team 2860—The Hensley Family
- ◆ Andrew Frazee—Smithton, MO  
Stream Team 1346—P.E.R.S.I.M.M.O.N.
- ◆ Richard Smith—Mount Vernon, MO  
Stream Team 3584—The River Raiders
- ◆ Kelly Burks—Springfield, MO  
Stream Team 3749—Mission Impossible
- ◆ Melissa Storie—Rolla, MO  
Stream Team 3918—The Storie Family
- ◆ Kerry Ogle—Webb City, MO  
Stream Team 3308—Glendale Fork Team
- ◆ Nancy Johnston—Union, MO  
Team 2728—Union Middle School National Junior Honor Society

Prizes Won:

- ◆ Clean your adopted stream with ease using a new *Pelican* canoe.
- ◆ Hot or cold, a Stanley-brand stainless steel thermos is handy anytime.
- ◆ Use a Target \$30 gift card for your camping and stream cleanup needs.
- ◆ One lucky winner will proudly wear a long-sleeve polo with Stream Team logo.
- ◆ Sit back and relax to the soothing aromas of an air-fresh diffuser set.
- ◆ Use a folding aluminum camp table on your next Stream Team cleanup.
- ◆ School/youth group prize: Magnifier with TV hookups. Zoom in close to see it all on the big screen. Cool!

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

# SOUTHWEST TEAMWORK

By Andrew Branson, Stream Team Biologist

The Wildcat Glades Conservation and Audubon Center (Team 3714) in Joplin recently hosted a “Stream Team Summit” with many Teams from Jasper, Newton, and McDonald Counties attending. There seemed to be a general consensus of a need for area Teams to begin communicating with one another in order to coordinate activities and help each other. The Wildcat Glades Center saw the value in partnering with other Teams to help them educate on stream issues and Stream Team opportunities. Their recognition of the need for Teams to work together was well received by those participating in the Summit.

To formalize this group effort, attendees discussed forming a Stream Team Association. An Association would allow the Teams to stay more connected and call on each other for help on big projects. Associations can also obtain tax-exempt status so they can more easily receive grants and donations. It is up to the collective Teams involved to decide how they want to set up their Association.



Stream Team Biologist Andrew Branson will be working with this group as they develop.

See “Southwest Teamwork” continued on page 8.

## IT'S TIME TO ORDER STREAMSIDE TREES!

As a Stream Team, you are eligible to receive trees for your stream projects at no charge! If your adopted stream could benefit from some tree planting, here's what you need to do:

**1** Plan your project and determine the tree species you need. Choose trees that do well next to a stream. Call us at 1-800-781-1989 (voice mail) if you need advice.

**2** Get permission from landowners along your adopted stream.

**3** Obtain a tree order form. Call the nursery at 573/674-3229 or 1-800-781-1989 (voice mail) or visit the MDC Web site at [www.mdc.mo.gov/forest/nursery](http://www.mdc.mo.gov/forest/nursery) to order electronically. If you ordered trees last year, you will automatically receive an order form this year.

**4 THIS IS IMPORTANT! Make sure you incorporate your Stream Team number into your address; otherwise you'll be charged for your order.** (Example: Stream Team 100, Johnny Appleseed, 123 Sycamore Lane, Arbor Town, MO 65432.) Please do not submit multiple orders. If you need to add trees to an existing order, call the nursery at 573/674-3229. Place your order quickly to assure best availability and variety!

**5** Follow the instructions included with your trees to ensure their survival.

**6** Complete a Stream Team Activity Report on your project and send it in.

**REMEMBER, these free trees are available only for Stream Team projects.** Need help? Call 1-800-781-1989 (voice mail).

**Good luck with your project!**

... is comprised of Asian carp. Watch ...

See page 8

*"Southwest Teamwork"  
continued from page 7.*

Several Stream Team Associations already exist in other areas of the state; for more information about existing Associations, go to [www.mostreamteam.org/streamassociations.asp](http://www.mostreamteam.org/streamassociations.asp). If you'd like to explore starting an Association in an area that doesn't already have one, talk to your Stream Team Biologist. You can contact us by e-mail at [streamteam@mdc.mo.gov](mailto:streamteam@mdc.mo.gov) or call our voice mailbox at 1-800-781-1989.

*... for more info on an  
"Invasive Species Workshop"  
coming February 20 in St. Louis.*

# Moving?

## E-mail address change?

Please let us know!  
Clip and return this change-of-address form.  
Or call 1-800-781-1989 (voice mail)

Name \_\_\_\_\_

Old Address \_\_\_\_\_

New Address \_\_\_\_\_


New City/State/Zip \_\_\_\_\_

Home Phone (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Work Phone (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

E-mail \_\_\_\_\_

Please mail to: MISSOURI STREAM TEAM  
PO BOX 180  
JEFFERSON CITY MO 65102-0180



PRRST STD  
US POSTAGE PAID  
JEFFERSON CITY MO  
PERMIT 274

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

