



# RIP-RAP



EDITOR: ANDY LAMBERSON

RESTORATION & PRESERVATION  
THROUGH RESEARCH & PROJECTS

October 1993

## ◆ 205J Project

### 1993 Temperature Monitoring and Storm Water

Temperature monitoring of the Kinnickinnic River continued during the summer of 1993. Three monitors were deployed at the Quarry Road, Cedar Street, and downstream of the Rocky Branch confluence. The shelter downstream from Powell Dam was vandalized this spring, and we worked throughout the summer to provide better security at this location. Temperature data will continue to be obtained at the other sites until snowfall. If the Powell Dam site can be adequately secured this fall, we will again obtain winter data above and below the City dams, to determine possible winter impacts.

The summer of 1993 was cool and wet, the Kinni temperatures and flows certainly reflected this condition. Stream temperatures at the Quarry Road and Cedar Street locations never exceeded 70 degrees all summer, and the maximum downstream temperature at the Rocky Branch location was 74 degrees. Although ideal for trout, these cool air and stream temperatures did not provide an ideal opportunity for assessing stormwater impacts, even though storm events were frequent! In spite of the cool stream temperatures, temperature differences among the three sites were still readily apparent. The temperature at Cedar Street (near downtown River Falls but upstream from the Dams) was consistently the coolest, averaging 1-2 degrees cooler than the temperature at Quarry Road (upstream of Cedar Street and the any

### OCT. MEETING NOTICE

**WHEN:** Wed., Oct. 6  
**TIME:** Dinner at 6:30  
Meeting at 8  
**WHERE:** Hudson House

October is *Member Slide Month!* This is Your opportunity to tell us what adventures you had over the summer, and given the poor weather if you had any luck you probably did a lot better than most!

Please give Andy a call at home at (715)386-7568 if you are planning to bring slides.

influences of the City). The extensive wooded canopy and shading, as well as suspected spring influences, helped maintain these lower temperatures.

Downstream from the City and the two dams, the temperatures at Rocky Branch were consistently 3-4 degrees warmer than the temperatures at Quarry Road and Cedar Street, in spite of the cooling influence of the Rocky Branch Tributary. The data obtained during the last two "record cool" summers could provide us with valuable base line data to compare to future "hot" summers.

If urban stormwater retention ponds are not designed and constructed to meet specific water quality needs, these ponds can exert a considerable thermal influence in a coldwater stream during the summer months. A good example of the "warming" phenomenon occurred at the Glen

Park retention pond the morning of June 13, 1993. With warm, humid weather producing overnight thunderstorms and rains in excess of 1 inch, the Glen Park retention pond was discharging stormwater to the Kinni and the following stream and retention pond temperatures were recorded:

Kinn-Cedar Street Monitor: 60 degrees F  
Kinni-at Powell Dam Monitor: 61 degrees F  
Kinni- just upstream of the retention pond discharge: 61 degrees F  
Water in Glen Park Retention Pond: 71 degrees F  
Glen Park retention Pond Discharge at stream entry point: 69 degrees F  
Kinni, upstream of Rocky Branch: 61 degrees F  
Rocky Branch, at mouth: 58 degrees F  
Kinni-downstream of Rocky Branch Monitor: 62 degrees F

The potential impact of the Glen Park retention pond is readily apparent, with the pond temperature 10 degrees warmer than the upstream Kinni temperature, and the retention pond discharge temperature 8 degrees warmer than the stream temperature. Although no warming effect was evident further downstream, the potential for localized warming downstream of the retention pond discharge is great. What we are not able to measure is the impact of this additional water to the Kinni and the amount of damage it does to the banks and the habitat. The severe bank erosion just downstream of the Glen Park retention pond is thought to be the result of the additional water and turbulence caused by the Glen Park retention pond discharge. Furthermore,

with a proliferation of retention ponds as River Falls grows, the possibility of more generalized warming is troublesome. Within the past year a number of new retention ponds have been built near the Highway 35 bypass and near the Rocky Branch, a prime coldwater feeder stream for the Kinni. A retention pond is currently under construction in the extension to the River Hills neighborhood. When completed, this pond will discharge just downstream from the current Glen Park retention pond, adding a second thermal threat to this short section of the Kinni. With the thermal impacts of the two City impoundments (ponds) already apparent, the proliferation of retention ponds and with future city growth projected, a River Fall storm water management plan is clearly necessary.

**205J Stormwater Management Plan**

Short, Elliott, Hendrickson (SEH), the consultant for the 205J Project, is in the process of finalizing a comprehensive stormwater management plan for the City of River Falls. SEH has been meeting regularly with a technical review panel, to obtain input on the plan. Participants in the planning process have included the City of River Falls, Wisconsin DNR, UW-River Falls, the River Falls, Troy, Clifton and Kinni townships, the Kinni Valley Landowners Association and Kiap-TU-Wish. As per contract with the DNR, the plan must be finalized by the end of 1993. At least one public meeting on the plan will be held in the next several months to obtain citizen input and to serve as an educational forum for the residents. The plan must also be adopted and supported by the River Falls City Council prior to implementation.

Since we have already encountered some initial public and City Council opposition to the plan ("if it ain't broke now, it don't need fixin" and "this is going to cost me some money")

*Your support at public and City Council meetings will be critical to ensure plan adoption and successful implementation.*

The Kiap-TU-Wish Chapter has a long history of active, vocal participation in coldwater issues and our voice has been heard at the local, state and national levels! We do make a difference, and your continued support will be necessary to ensure future protection of a tremendous resource- the Kinnickinnic River.

We will keep you informed of upcoming meetings. If you have questions about the River Fall Stormwater Management Plan or the monitoring project please feel free to give me a call at (715)386-5299.

*Kent Johnson*

- We will be notifying all members,
- by a special mailing, of the
- upcoming City Council meeting
- where the Stormwater
- Management Plan is going to be
- reviewed as soon as we know the
- details. We need every member
- to show up at this meeting! If
- you would like to make a short
- speech to the City Council please
- contact Andy Lamberson or Kent
- Johnson so that we can
- coordinate our message and
- maximize our time. The City
- Council has a reputation of
- reacting to a large response either
- for or against an issue. We really
- need to get a good turnout at this
- meeting. Please make every effort
- to attend. A good idea would be
- to arrange a car pool with some
- of your buddies.

◆ **Weird Fly Contest**

**Mike Tries Again!**

I'm sure you all have vivid memories of our January meeting last year. That was the meeting where I publicly humiliated myself by showing slides of some of my most bizarre and ill-fated fly designs. My purpose in doing this was to encourage our members to submit their own failures to the very next KIAP-TU-WISH WEIRD FLY CONTEST. Last year only one plucky member submitted a fly for review, a disappointing reality. What's the matter, don't any of the rest of you have any sense of humor?

In any event, I'm offering another chance to update your piscatorial resume. Here are the contest rules: 1) The fly design must have arisen as a result of a natural phenomena you have witnessed or read about. 2) It must be a complete and abysmal failure. The contest deadline is October 30, 1993. Send your fly and a brief, preferably humorous explanation of it's story to:  
Mike Alwin  
231 Sherburne St  
Stillwater, MN 55082

The judges will convene in November and the winner will be announced at the December meeting. The winner will receive a crisp five dollar bill and a certificate suitable for framing.

*Mike Alwin*

◆ **Willow River**

**Fall Stocking**

On September 22, Kiap-TU-Wish scatter planted 10,500 Browns from the St. Croix Falls Hatchery in the Lower Willow's Main and Race branches. The fingerlings averaged 13 per pound and 5.6 inches long.

Many thanks to Brett Edstrom, Chuck Goossen, Gary Horvath, Herb Lundberg, Ted Mackmiller and Tony Stifter for their labors.

## JOIN TROUT UNLIMITED AND HELP PROTECT THE RESOURCE

Kiap-TU-Wish Chapter  
Chapter #0168



The Kiap-TU-Wish Chapter of Trout Unlimited was founded in 1972 for the purpose of protecting, improving and restoring the trout habitat in western Wisconsin. We derive our name from the local rivers of particular concern to us: the Kinnickinnic, Apple, Willow and Rush. Over the years we have worked closely with private citizens, local governments and the Wisconsin Department of Natural Resources on various projects such as storm water monitoring and management, bank stabilization, stream bank debrushing, fish population surveys, placement of in-stream habitat structures, fishing clinics and fish stocking. Conservation minded persons can find rewarding work within our chapter ranging from preparing mailings to streamside projects.

There are pleasant social experiences with Kiap-TU-Wish also. We hold regular meetings from September through May on the first Wednesday of the month. Meetings are held at the *Hudson House* located off the south access road (exit #2), on I-94 in Hudson, Wisconsin. Meetings begin at 8pm with dinner starting at 6:30 (reservations are not needed). Our meetings feature presentations on angling, flytying, stream ecology and water quality and well as the latest issues that are affecting our local, regional and national resources. Of course there are the usual fishing stories and tall tales and we would be very interested in hearing yours at the next meeting! Please join us!

Membership includes a subscription of the national magazine *Trout* and the state council newspaper *Wisconsin Trout*, both published quarterly. The chapter also produces a newsletter, *Rip-Rap* published monthly, September through May.

YES! Please begin my one-year membership to the Kiap-TU-Wish Chapter of Trout Unlimited #0168

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Mail to:  
Trout Unlimited  
Membership Services  
800 Follin Lane Southeast  
Suite 250  
Vienna, VA 22180-4959

Regular Membership

Family Membership

Payment Enclosed\*

Please Bill Me

Mastercard # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Visa # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_



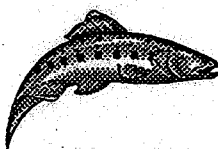
◆ Notes from the President:

Dick Frantes, know to us as "Dry Fly Dick" passed away on Sept. 22, 1993 at the age of 71 from lung cancer. Dick was well known to all chapter members for always having an opinion and never being afraid to express it! Dick's memorial service was Sept. 25 and was very well attended by Kiap-TU-Wish members, a testimony to Dick's contribution to the sport and the resource. Bob Mitchell did an excellent reading of a "Testament of a Fisherman" by John Voelker (aka Robert Traver) and I was impressed by how well it fit the service and to Dick.

Kiap-TU-Wish has been asked to create a memorial fund in Dick's name. If you would like to contribute to Dick's Memorial please send a check to: Kiap-TU-Wish P.O. Box 483, Hudson, WI 54016. Please indicate Dick Frantes Memorial Fund on your check.

Dick will be missed by all of us at Kiap-TU-Wish.

*Andy*



**Kiap-TU-Wish**

President: Andy Lamberson (715)386-7568      Vice President: Gary Horvath (715)425-8489  
 Secretary: Don Ausemus (612)636-0625      Treasurer: Tom Battey (612)456-0889

**BOARD OF DIRECTORS**

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 Craig Mason (715)425-2282      Mike Alwin (612)439-8159      Skip James (612)436-1565

**Kiap-TU-Wish**

**1993 Meetings**

Oct. 6: Member's Slide Show  
 Nov. 3: Jim Bourquin's:  
 Miramichi Salmon  
 Dec. 1: Christmas banquet

**1994 Meetings**

Jan. 5: Jim Humphry: Insects in  
 our local streams  
 Feb. 2:  
 March 2: Business Meeting  
 April 6: Fly Tiers  
 May 4: Marty Engel Wisc. DNR

Dinner at 6:30 Meeting at 8:00  
 All meetings are at the Hudson  
 House.

The Rip-Rap is printed on paper which contains 50% recycled content of which 10% is post-consumer.

**KIAP-TU-WISH  
 TROUT UNLIMITED  
 P.O. BOX 483  
 HUDSON, WI 54016**