

Sellers, Suzanne

From: Urie, Kevin [Kevin.Urie@denverwater.org]
Sent: Wednesday, January 18, 2012 9:15 AM
To: Deb Freeman; Berryman, Alan; john.kolanz@greeleygov.com; Don Ament (d.ament@hotmail.com); Sellers, Suzanne
Subject: FW: Platte River caddisfly research publication
Attachments: 2011 caddisfly behaviors Geluso et al annals[1].pdf

All,

I had one heck of a time trying to find the publication on the Program's website so I have attached a copy to this email in case you are interested in reading it. The publication is only 5 pages in length.

I have summarized some of their findings:

1. The Platte River caddisfly can exist within a wider range of slough habitats than reported previously.
2. The Platte River caddisfly is not restricted to sloughs that dry up in summer because they were found in both intermittent and perennial sloughs.
3. Their studies indicate that terrestrial activity occurred a month earlier than reported previously by Whiles et al. in 1999.
4. They demonstrated that terrestrial activity begins earlier and lasts longer than reported previously by Whiles et al. in 1999.
5. Burying below ground probably reflects an adaptation to historical disturbances by wildfires, grazing ungulates, and flooding in the Platte River landscape.
6. Aboveground and belowground searches for larval cases are needed before concluding larvae are not present in an area during the summer aestivation (a dormancy stage to deal with high temperatures or dry periods where very little or no food is required and no movement or growth occurs).
7. Cues that trigger adult emergence needs to be further investigated and could help focus future sampling efforts for adults.
8. In conclusion, they state that much remains to be learned about the life history of Platte River caddisfly along the Platte River in central Nebraska.

Let me know if you have questions.

Kevin

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From: David Baasch [<mailto:baaschd@headwaterscorp.com>]

Sent: Wednesday, January 18, 2012 7:26 AM

To: Chad Smith; frank.albrecht@nebraska.gov; Beorn Courtney; Justin Brei; bemerrill@usbr.gov; doug.hallum@nebraska.gov; Jason Farnsworth; jeff_runge@fws.gov; jennifer.schellpeper@nebraska.gov; jjjenni@nppd.com; Jerry Kenny; Urie, Kevin; komiller@tpnrd.org; Mark@cpnrd.org; Matt_Rabbe@fws.gov; mdrain@cnppid.com; mike.fritz@nebraska.gov; mpeyton@cnppid.com; rwalters@tnc.org; Steve Smith; Suzanne.Sellers@state.co.us; ted.kowalski@state.co.us; Tim Tunnell; harner.mary@gmail.com; Goltl, Pat; martha_tacha@fws.gov; Jeanine_Lackey@fws.gov; Lawrence Besson

Subject: Platte River caddisfly research publication

Technical Advisory Committee,

Keith Geluso, Mary J. Harner, and Lindsay A. Vivian published the findings for their Platte River Caddisfly research that was conducted at the Trust in 2010. The publication is titled "Subterranean Behavior and Other Notes for *Ironoquia plattensis* (Trichoptera: Limnephilidae) in Nebraska" and has been uploaded to the Program's website in the non-public library.

Thanks,

David M. Baasch, Ph.D.

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