

Goudreau, Chris J.

From: Ryan McManamay [rmcmanam@vt.edu]
Sent: Friday, June 04, 2010 2:16 PM
To: Steve Fraley; Orth, Donald; Andy Dolloff; Mark Cantrell; Goudreau, Chris J.; Steve Reed; Mead, Jim; Russ, W. Thomas
Subject: Update from VT

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Folks,

Sorry that its been a while since we talked. I figured it may be good to give you an update on the projects that we have been involved for a couple of reasons. First, so that we keep communication lines open. Second, so you know what some of the deliverables you are getting from VT.

I have attached our most recent manuscript concerning gravel addition and management recommendations. It now includes implications for fish spawning habitat. It is currently undergoing revisions.

I wanted to provide research that was useful to the Cheoah Fund Board while also satisfying a committee. To sum things up, they didn't always mesh. So i had initiated several projects that will not be included in my dissertation but I still continued to work on because I felt they were valuable - hopefully you will too.

Below is a list of the several projects that I've been working on that will hopefully provide you guys will useful information for management. They are in various stages of completion. Some are being written, some only have data analyzed, others have yet to have data analyzed. But hopefully, they will eventually emerge.

Projects:

- 1) Gravel addition and fish spawning habitat (manuscript attached)
- 2) Classifying flow regimes in an 8-state region in the SE to develop flow standards (writing in process)
- 3) Relating stream morphology to fish assemblages in order to guide restoration (data collected from 52 sites, not analyzed)
- 4) Flow ecology relationships following flow restoration: implications of methodology on conclusions (data analyzed, not written)
- 5) The influence of gravel addition on macroinvertebrates (data analyzed, not written- this data you have in a report that I sent a while back)
- 6) Fishes of the Cheoah (small summary of fish spp over time - data analyzed, not written)
- 7) River chub spawning habitat selection - influence of flow and substrate availability on site selection (data collected, not analyzed)

I also hope as a future project to summarize the "moral of the story" that each of these projects have taught. There are many observations/collections of small subsets of data that may turn into future reports/publications:

- 1) Longitudinal changes in substrate in the Cheoah downstream of the dam
- 2) Flipped vegetated islands as a result of high flow events

I hope this sort of helps you guys in knowing what I've been working on. There are way to many projects here that I can finish before my dissertation is completed. I think I'll be

working on these for some time. Some of these subjects you may find more useful than others. If you have any questions, please feel free to contact me - 540-808-8695.

Thanks,
Ryan McManamay

Note: Manuscript removed to protect author's publishing rights. See link to published journal article elsewhere on Cheoah Fund Board web page.