From:	Stewart Nance
To:	Wise, Jim; Barnett, Mary
Cc:	Bud Pelsor; James Robertson
Subject:	Mill Creek - Need ADEQ Help To ID and Address Mill Creek Issues
Date:	Thursday, March 10, 2016 8:52:33 PM
Attachments:	image003.png image004.png

Mary and Jim,

Please pass request this along to all appropriate channels in ADEQ.

Thank you for the Dec 2015 data on Mill Creek you sent me. Good news is that BNR also sent me their summer 2015 data.

Bad news is it's impossible for me to reconcile the BNR data with the ADEQ data? They differ so dramatically! ADEQ essentially showed Mill Creek and tributaries clean in December but just last summer BNR showed very high/dangerous levels of ecoli. I spoke with BNR and they stand by their data (they used ADEQ testing protocol).

My lay knowledge suggests temperature, flow, season and unknown discharge from some home or facility as variables at play. Few fertilize in summer so, again, logic suggests some type of discharge since cows are year round and cow-heavy Flat Rock and Harp Creek both looked good in ADEQ samples.

Guess I'm left with request that ADEQ further research and identify the source(s) of contamination in summer and address same with its full authority ASAP.

DogPatch's Bud Pelsor and Nance Ranch own probably 75%+ of private Mill Creek frontage and we want this valuable Arkansas natural resource verified consistently clean so we can swim and fish in it without fear.

Thank you for your urgent attention to this matter. Let me know what we can do to help. You are welcome to test on Nance Ranch or (per Bud Pelsor) DogPatch land anytime you want.

Stewart Nance
870.688.7100

From: Cheri, Kevin [mailto:kevin_cheri@nps.gov]
Sent: Wednesday, March 2, 2016 1:04 PM
To: booneco74@yahoo.com
Subject: Mill Creek

Stewart,

Herein are the latest graphs for Mill Creek (T04) as compared to Upper Buffalo River (R01), Little Buffalo River (T05), Big Creek (T06), and the Buffalo River above and below Big Creek (R0414 and R0415, respectively). The top graph is the data just for this February, and in general all of these single grabs were lower that what was observed this summer. The single grab max concentration is 298 colonies of E. coli per 100ml of river water. The bottom graph represents all the data thus far, and each point is a geometric mean (5 samples over a 30-day period) as prescribed by ADEQ Regulation No. 2. The red line represents the maximum allow able mean concentration, 126 colonies/100ml. As you can see, Mill Creek was well above the standard for recreational contact for swimming, wading, etc. for most of the summer and well into the fall. We added Mill Creek to the sampling regime last

year, and since that time, it seems to be the highest of all tributaries sampled. The study that the park performed on Mill Creek in FY10 was intensive and examined the whole Mill Creek system. That report is on our park webpage under "Research". That report is available for download. Please let me know if you have any further questions.

Inline image 1

Inline image 2

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Kevin G. Cheri
Superintendent
Buffalo National River

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