

From: Joe Nix [mailto:river1939@suddenlink.net]  
Sent: Friday, August 05, 2016 8:02 AM  
To: 'river1939@suddenlink.net'  
Subject: Big Creek data transmission

To All:

As some of you know, a modest sampling and analysis program has been underway on Big Creek for some time. This work has been totally done by volunteers. It involved no state or federal funds. Those involved in this project are:

Van Brahana  
Carol Bitting  
Teresa Turk  
Jeff Montgomery  
Clark Kuyper  
Chuck Bitting  
Joe Nix  
Mike Nelson  
Nancy Deisch

---

The purpose of this email is to transmit data from this study to interested individuals. The graphical data and the map showing sampling station locations are pretty big files so I am sending this information in several emails. When you get all of them you will have:

1. Map.jpg
2. Data, including QA/QC
3. Graphs, as a function of month of the year.pdf
4. Graphs as a function of station.pdf

I would appreciate receiving verification that you received all of these.

---

Although there has been some additional sampling and analysis, the main portion of the work consists of monthly sampling from a group of stations located on Big Creek (Newton County) ranging from its headwaters to its confluence with the Buffalo National River for a period of one year. This data set has been compiled into a simple spreadsheet and covers the period from 6/4/2015 through 5/17/2016. Graphical representation of selected parameters has also been prepared. One set of graphs consists of plots of the concentration of a parameter vs month in which the sampling occurred. The other set of graphs consists of plots of the concentration of selected parameters vs the stations designation in a downstream direction from left to right.

The graphs showing month of collection show the seasonal variation of each parameter. As expected, the concentration is generally higher in the dryer – low flow months. The graphs showing data as a function of station (downstream left to right) show some interesting trends. It appears that several of the parameters go up rather sharply between station BC6 and BC8. The CAFO is in this section of the watershed.

