

Harpeth River Watershed Sampling Call

Thursday, March 15, 2018

Attendees

TDEC: Regan McGahen, Jennifer Dodd, David Duhl, Katherine Barnes
EPA: Tim Wool, Craig Hesterlee, Amanda Howell, Johnny Purify
Harpeth Conservancy (HC): Dorie Bolze, Dan Fitzgerald
Franklin: Mark Hilty, Michelle Hatcher
WADC: Nick Tatum
Metro Nashville: Veronica Logue
Berry's Chapel/Cartwright Ck: Bruce Meyer

EPA (Tim Wool) discussed data and stated that all data would be processed by the following week.

- WADC - data looks good, no need to collect 30 day BOD, 5 day is fine moving forward. Tim asked that they find out if the Chl-a is corrected
- HC - Tim asked if any long term BOD had been collected - Dan responded that they only did 5 day and the numbers were very low. Tim asked that they check into it. Could use a 30 day BOD at site #1 if possible. HC responded that they might be able to do it, but it will depend on funding availability
- Metro - had no detects for BOD and ammonia, Tim inquired as to what analytic methods they were using. Veronica stated that they are using the ammonia high method and they will change it over to low. They are not doing Chl-a because their lab does not do it.
- TDEC - since 2017 data has been posted to STORET, EPA is going to pull it from there
- USGS - Tim could not find their data on the server, he will call Shannon to get it
- Franklin - data is good, only need to do 5 day BOD moving forward
- Tim Wool re-stated that a 30 day BOD is sufficient for the Harpeth River and that doing a longer BOD was not necessary

EPA will provide database to TDEC within a week or two

TDEC has High Density Stream Survey that was done by Trutta. The video is georeferenced. TDEC is checking into what direction the video is done in.

EPA (Tim Wool) stated that it would be really good to know where the periphyton is and is not in the river in order to guide the model

HC (Dan Fitzgerald) would like to hold off on any commitments by HC until funding is confirmed

HC (Dorie Bolze) stated that they are now using "water reporter", which is a mobile app that they are encouraging land owners along the river to use to report issues on the river.

2018 Sampling Plan

Franklin:

Site(s): #2, #3 & #7 (plus permit sites (chemical))
Frequency: Bi-Weekly
Parameters: Nitrate, nitrite, TKN, total nitrogen
Ortho-phosphorus, total phosphorus
Turbidity, BOD₅, TSS, pH, NH₃, DO, temp
Rainfall (inches)
Chl-a

WADC:

Site(s): #9
Frequency: Bi-Weekly
Parameters: NH₃, Nitrate, nitrite, TKN, total nitrogen
Ortho-phosphorus, total phosphorus
DO, BOD₅, pH & Chl-a

Harpeth Conservancy:

Site(s): #1
Frequency: TBD
Parameters: TBD once funding is secured

Metro:

Site(s): #4 & #4a
Frequency: bi-weekly
Parameters: TKN, NH₃, nitrate, nitrite, BOD₅, total phosphorus, ortho-phosphorus, pH