

# GUILFORD COUNTY CATCHMENT PRIORITIZATION & POLLUTANT IDENTIFICATION PROGRAM

## Meeting #2 Minutes

Tuesday, January 24, 2017  
10:00 am

Guilford County Planning & Development  
5<sup>th</sup> Floor Conference Room  
400 W Market St, Greensboro

- Welcome & Introductions
  - Attendees:
    - Jesse Day, PTRC
    - Malinda Ford, PTRC
    - Lindsey Lengyel, PTRC Stormwater SMART
    - Frank Park, Guilford County Chief Plans Engineer
    - Justin Gray, Guilford County Stormwater Program Administrator
    - Matthew Wallace, Guilford County Facilities and Parks Department
    - Millie Langley, Guilford County Soil/Water Conservationist
- Jesse Day gave a brief overview of the project for new attendees. This is a 205j grant to improve water quality, based off the regional model developed by the Piedmont Triad Regional Council to target specific watersheds. Targeted outreach is another goal of the project. Lindsey Lengyel from our Stormwater SMART project will help head this effort.
- Malinda Ford gave an overview of how the regional model was developed and used in the Version I analysis.
- Version I input layers, output stress raster, and top catchments were reviewed. Malinda noted that this model places a high level of emphasis on impervious surface cover that favors urban areas. This approach worked well in the regional model, but not as well for the more rural parts of Guilford County.
- Malinda discussed how the model was re-run with three new input layers: (1) septic repair fields; (2) parcels with animal operation permits; and (3) parcels with agricultural land use. These new layers were weighted equally just under impervious surface cover.

- Version 2 input layers, output stress raster, and top catchments were reviewed. This approach seemed to better target agricultural areas that the County Soil and Water team was currently or had previously worked on. Other areas for future targeting were discussed as well.
  - The group of top catchments along Reedy Fork Creek (#1, 2, 3, 4, 5, 6, 12, 14) – this is the Sockwell and Teague Farms. They have already done lots of stream restoration work to fence off the streams. Reedy Fork Creek is listed as impaired for fecal coliform.
  - #7 – Mobile Home Park; targeted outreach might include pet waste pickup, trash cleanup, and run-off education
  - #8 – highway interchange; not much can be done here
  - #9 – Farm near Sedalia; Soil & Water doesn't recognize these farmers so may be a good area to target
  - #10 – Near Stoney Creek Golf Club; 4-5 BMPs already in place along the stream corridor but no telling what comes from upstream. This is a single family neighborhood area that could be targeted with a pet waste pickup campaign.
  - #11 & 22 – Airport
  - #13 – Farm owned by Caesar Cone III; Soil & Water has tried to work with in the past without much luck.
  - #15 – very small farm catchment
  - #16 & 18 – Gerringer Farm has been working with Soil & Water on BMPs
  - #17 – This is the A&T Farm area. They have a swine lagoon. They already have several BMPs in place. They practice a no till conservation that uses a lot of chemicals. We could take another look in this area.
  - #19 - highway interchange; not much can be done here
  - #20 – This is the County prison farm; BMP has already been done in this area
  - #21 – Southeastern corner; Bruce Humble owner; recently started a project to fence cows out of the stream
  - #23 – Western edge of County; Idol Girls tobacco farm
  - #24 – Roberts is a farmer here, Soil & Water has done some work here over the past year but still may be a good one to target. There might also be a landfill in this catchment.
  - #25 – This is the Sedgefield Sewer District, just east of Sedgefield Country Club. There are old sewer lines here, so there could be an issue.
  
- Monitoring station locations and STORET data were reviewed. B0400000 is on the Reedy Fork Creek near the top priority catchments. Data shows a spike in fecal coliform levels in July 2013.

- Justin Gray provided input for running the model a third time, changing the weights of several of the input layers from version 2:
  - Keep high impervious surface cover as the highest weight
  - Move highly erodible soils to second
  - Keep septic repair fields as third
  - Move low forest cover to fourth
  - Move steep slopes to fifth
  - Move animal operation permits and farms to sixth and seventh
  - Remaining layers will remain in the current order
  
- If field work is needed, Soil & Water has connections with farms for visiting their sites. We would sample above and below the target sites.
  
- Lindsey described best outreach practices for future events. She noted it usually works best to tag onto an existing event or club. We could post our demonstrations as educational opportunities on farms to teach best practices to other farmers. Additional partners depending on area of concern could include agricultural clubs, HOAs, local business, Sedgfield gold club, civic organizations.
  
- Matt Wallace noted that Hines Chapel would be a great place for an event.
  
- Next steps include:
  - Malinda will check on when streams were listed as impaired;
  - Malinda will re-run the model with the new weighting scheme and place on the web map as version 3 for staff to review;
  - Malinda will then extract the parcel ownership information for the top catchments and send to staff for review;
  - PTRC will check on getting a BMP layer from NCDOT
  - Soil & Water will determine which parcels already have BMPs so that we can determine which areas we need to target.
  - Would like to use priority project list in next year's CWMTF cycle to fund the implementation of BMPs.
  - Next meeting will be held Tuesday, February 21<sup>st</sup> at Guilford County to go over final results; solidify the top priority catchments for the final report; determine if and when field work will be needed; and select the top 3-4 projects to target in outreach.