

City of Shelbyville



2022 Annual Stormwater Report

July 1st, 2021 through June 30th, 2022



Tennessee Department of Environment and Conservation
 Division of Water Resources
 William R. Snodgrass Tennessee Tower,
 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
 1-888-891-8332 (TDEC)

Phase II Small Municipal Separate Storm Sewer System (MS4) Annual Report

1. MS4 Information

| | | |
|--|-----------|---|
| Name of MS4: City of Shelbyville | | MS4 Permit Number: TNS075531 |
| Contact Person: Buck Vallad | | Email Address: buck.vallad@shelbyvilletn.org |
| Telephone: (931) 684-2644 | | MS4 Program Web Address: https://www.shelbyvilletn.org/departments/public_works/stormwater/index.php |
| Mailing Address: 201 North Spring Street | | |
| City: Shelbyville | State: TN | ZIP code: 37160 |

What is the current population of your MS4? 23,557 per 2020 US Census Bureau

What is the reporting period for this annual report? July 1 2021 to June 30 2022

2. Discharges to Waterbodies with Unavailable Parameters or Exceptional Tennessee Waters (Section 3.1)

- A. Does your MS4 discharge into waters with unavailable parameters (previously referred to as impaired) for pathogens, nutrients, siltation or other parameters related to stormwater runoff from urbanized areas as listed on TN's most current 303(d) list and/or according to the on-line state GIS mapping tool (tdeconline.tn.gov/dwr/)? If yes, attach a list. Yes No
- B. Are there established and approved TMDLs (<http://www.tn.gov/environment/article/wr-ws-tennessees-total-maximum-daily-load-tmdl-program>) with waste load allocations for MS4 discharges in your jurisdiction? If yes, attach a list. Yes No
- C. Does your MS4 discharge to any Exceptional Tennessee Waters (ETWs - http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34304:4880790061142)? If yes, attach a list. Yes No
- D. Are you implementing specific Best Management Practices (BMPs) to control pollutant discharges to waterbodies with unavailable parameters or ETWs? If yes, describe the specific practices: Proposed developments are required to evaluate discharge points and the effect of the development on said discharge points. Any Federal, State, or local permits that are necessary as a result of those effects are required to be obtained prior to commencement of the project. Illicit discharges from properly permitted and existing developments are also monitored for any potential pollutant discharges to waterbodies with unavailable parameters or ETWs. Yes No

3. Public Education/Outreach and Involvement/Participation (Sections 4.2.1 and 4.2.2)

- A. Have you developed a Public Information and Education plan (PIE)? Yes No

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- B. Is your public education program targeting specific pollutants and sources, such as Hot Spots? If yes, describe the specific pollutants and/or sources targeted by your public education program: Specific areas of known concerns and historical challenges such as automotive shops, quarries, industrial areas, and construction sites to help promote proper storage and disposal of oils and other potential contaminants located on the site. We have also instituted targeted information for property owners with swimming pools for declorinization methods Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: https://www.shelbyvilletn.org/departments/public_works/stormwater/index.php Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Website, Social Media
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Due to Covid-19 restrictions several planned events were not attended. However, On 4/28/22 Bedford County job fair was attended by 300+ High School students were told about the duties and responsibilities of a stormwater inspector. 5/12/22 a Cops and Bobbers Event was attended by 80 middle school students. 28 Tshirts, 32 Activity Books and 35 Comic Books were given out
- F. Summarize any specific successful outcome(s) (e.g., citizen involvement, pollutant reduction, water quality improvement, etc.) fully or partially attributable to your public education and participation program during this reporting period: _____

4. Illicit Discharge Detection and Elimination (Section 4.2.3)

- A. Have you developed and do you continue to update a storm sewer system map that shows the location of system outfalls where the municipal storm sewer system discharges into waters of the state or conveyances owned or operated by another MS4? Yes No
- B. If yes, does the map include inputs into the storm sewer collection system, such as the inlets, catch basins, drop structures or other defined contributing points to the sewershed of that outfall, and general direction of stormwater flow? Yes No
- C. How many outfalls have you identified in your storm sewer system? 14
- D. Do you have an ordinance, or other regulatory mechanism, that prohibits non-stormwater discharges into your storm sewer system? Yes No
- E. Have you implemented a plan to detect, identify and eliminate non-stormwater discharges, including illegal disposal, throughout the storm sewer system? If yes, provide a summary: City staff are trained to observe storm drains during dry weather periods and watch for illegal disposals as they run routes (i.e. solid waste collection, mowing activities, etc.) throughout the City. Yes No
- F. How many illicit discharge related complaints were received this reporting period? 2
- G. How many illicit discharge investigations were performed this reporting period? 2
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 2

5. Construction Site Stormwater Runoff Pollutant Control (Section 4.2.4)

- A. Do you have an ordinance or other regulatory mechanism requiring:

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- Construction site operators to implement appropriate erosion prevention and sediment control BMPs consistent with those described in the TDEC EPSC Handbook? Yes No
- Construction site operators to control wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste? Yes No
- Design storm and special conditions for unavailable parameters waters or Exceptional Tennessee Waters consistent with those of the current Tennessee Construction General Permit (TNR100000)? Yes No
- B. Do you have specific procedures for construction site plan (including erosion prevention and sediment BMPs) review and approval? Yes No
- C. Do you have sanctions to enforce compliance? Yes No
- D. Do you hold pre-construction meetings with operators of priority construction activities and inspect priority construction sites at least monthly? Yes No
- E. How many construction sites disturbing at least one acre or greater were active in your jurisdiction this reporting period? 26
- F. How many active priority and non-priority construction sites were inspected this reporting period? 118
- G. How many construction related complaints were received this reporting period? 2
6. Permanent Stormwater Management at New Development and Redevelopment Projects (Section 4.2.5)
- A. Do you have a regulatory mechanism (e.g. ordinance) requiring permanent stormwater pollutant removal for development and redevelopment projects? If no, have you submitted an Implementation Plan to the Division? Yes No
 Yes No
- B. Do you have an ordinance or other regulatory mechanism requiring:
- Site plan review and approval of new and re-development projects? Yes No
- A process to ensure stormwater control measures (SCMs) are properly installed and maintained? Yes No
- Permanent water quality riparian buffers? If yes, specify requirements: Current TDEC buffer requirements have been adopted by the City of Shelbyville Yes No
- C. What is the threshold for development and redevelopment project plans plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? Any project requiring a Grading Permit or Planning Commission approval
- D. How many development and redevelopment project plans were reviewed for this reporting period? 16
- E. How many development and redevelopment project plans were approved? 14
- F. How many permanent stormwater related complaints were received this reporting period? 0
- G. How many enforcement actions were taken to address improper installation or maintenance? 0
- H. Do you have a system to inventory and track the status of all public and private SCMs installed on development and redevelopment projects? Yes No
- I. Does your program include an off-site stormwater mitigation or payment into public stormwater fund? If yes, specify. _____ Yes No

7. Stormwater Management for Municipal Operations (Section 4.2.6)

A. As applicable, have stormwater related operation and maintenance plans that include information related to maintenance activities, schedules and the proper disposal of waste from structural and non-structural stormwater controls been developed and implemented at the following municipal operations:

- | | | |
|--|---|--|
| Streets, roads, highways? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Municipal parking lots? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Maintenance and storage yards? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Fleet or maintenance shops with outdoor storage areas? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Salt and storage locations? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Snow disposal areas? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Waste disposal, storage, and transfer stations? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

B. Do you have a training program for employees responsible for municipal operations at facilities within the jurisdiction that handle, generate and/or store materials which constitute a potential pollutant of concern for MS4s? Yes No

If yes, are new applicable employees trained within six months, and existing applicable employees trained and/or retrained within the permit term? Yes No

8. Reviewing and Updating Stormwater Management Programs (Section 4.4)

A. Describe any revisions to your program implemented during this reporting period including but not limited to:

Modifications or replacement of an ineffective activity/control measure. _____

Changes to the program as required by the division to satisfy permit requirements. _____

Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. The City has purchased a subscription for MS4Web from CBI Systems, Inc. This software will help in keeping track of any inspections and/or complaints communicated to the City.

B. In preparation for this annual report, have you performed an overall assessment of your stormwater management program effectiveness? If yes, summarize the assessment results, and any modifications and improvements scheduled to be implemented in the next reporting period. _____ Yes No

9. Enforcement Response Plan (Section 4.5)

- A. Have you implemented an enforcement response plan that includes progressive enforcement actions to address non-compliance, and allows the maximum penalties specified in TCA 68-221-1106? If no, explain. _____ Yes No
- B. As applicable, identify which of the following types of enforcement actions (or their equivalent) were used during this reporting period; indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater management), and note those for which you do not have authority:

| <u>Action</u> | <u>Construction</u> | <u>Permanent Stormwater</u> | <u>Illicit Discharge</u> | <u>In Your ERP?</u> | |
|---|---------------------|-----------------------------|--------------------------|---|-----------------------------|
| Verbal warnings | #4 | #0 | #1 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Written notices | #1 | #0 | #0 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Citations with administrative penalties | #0 | #0 | #0 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Stop work orders | #0 | #0 | #0 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Withholding of plan approvals or other authorizations | #0 | #0 | #0 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Additional Measures | #0 | #0 | #0 | Describe: _____ | |

- C. Do you track instances of non-compliance and related enforcement documentation? Yes No
- D. What were the most common types of non-compliance instances documented during this reporting period?
Installed EPSC measures needing repaired. Trash not being properly handled

10. Monitoring, Recordkeeping and reporting (Section 5)

- A. Summarize any analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. No analytical monitoring conducting during this reporting period
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. _____
- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report. Yes No

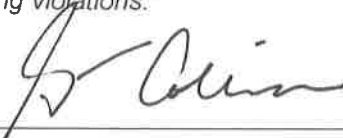
11. Certification

Phase II Small Municipal Separate Storm Sewer System (MS4) Annual Report

This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Scott Collins City Manager
Printed Name and Title


Signature

09/06/2022
Date

Annual reports must be submitted by September 30 of each calendar year (Section 5.4) to the appropriate Environmental Field Office (EFO), identified in the table below:

| EFO | Street Address | City | Zip Code | Telephone |
|--------------|---------------------------------|--------------|----------|----------------|
| Chattanooga | 1301 Riverfront Pkwy, Suite 206 | Chattanooga | 37402 | (423) 634-5745 |
| Columbia | 1421 Hampshire Pike | Columbia | 38401 | (931) 380-3371 |
| Cookeville | 1221 South Willow Ave. | Cookeville | 38506 | (931) 520-6688 |
| Jackson | 1625 Hollywood Drive | Jackson | 38305 | (731) 512-1300 |
| Johnson City | 2305 Silverdale Road | Johnson City | 37601 | (423) 854-5400 |
| Knoxville | 3711 Middlebrook Pike | Knoxville | 37921 | (865) 594-6035 |
| Memphis | 8383 Wolf Lake Drive | Bartlett | 38133 | (901) 371-3000 |
| Nashville | 711 R S Gass Boulevard | Nashville | 37216 | (615) 687-7000 |



Tennessee Division of Water Resources (DWR)

- Permits
- Documents
- Permit Appeals
- Moratoriums
- Complaints
- Inspections
- Eng. Plans
- Hydrologic Det.
- Exceptional Waters**
- Ambient Monitoring

- 🔍 Search Guidance and Help Link
- 🔍 The Known Exceptional Tennessee Waters and Outstanding National Resource Waters

Exceptional TN Waters

Rows: 50

- ▼ 🔍 Row text contains 'bedford'
- 🔍 County = 'Bedford'

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| HUC | Watershed Name | Waterbody | County | Description | Basis for Inclusion | From Lat | To Lat | From Long | To Long | Inclusion Date | Revision Date |
|----------|----------------|------------------------------|---------|--|---|----------|---------|-----------|----------|----------------|---------------|
| 08040002 | Duck-Upper | Duck River | Bedford | From RM 221.4 upstream of Hwy 231 to Normandy Dam. | State threatened Coppercheek Darter, Ashy Darter, and Barrens Darter. | 35.481 | 35.465 | -86.4628 | -86.2488 | | |
| 08040002 | Duck-Upper | Fall Creek | Bedford | From Duck River to headwaters. | State threatened Striated Darter. | 35.5418 | 35.6031 | -86.5424 | -86.453 | | |
| 08040002 | Duck-Upper | Flat Creek | Bedford | From Duck River to headwaters. | State threatened Coppercheek Darter, Striated Darter and Ashy Darter. | 35.4708 | 35.3918 | -86.487 | -86.4073 | | |
| 08040002 | Duck-Upper | Garrison Fork Creek | Bedford | From Duck River to confluence of Straight Creek. | State threatened Ashy Darter and Striated Darter. | 35.4786 | 35.5527 | -86.3325 | -86.286 | | |
| 08040002 | Duck-Upper | Hurricane Creek | Bedford | From Fall Creek to headwaters. | State threatened Striated Darter. | 35.5846 | 35.5765 | -86.5079 | -86.3862 | | |
| 08040002 | Duck-Upper | Kelly Creek | Bedford | From Wartrace Creek to headwaters. | State threatened Striated Darter. | 35.5912 | 35.6323 | -86.3384 | -86.3072 | | |
| 08040002 | Duck-Upper | North Fork Creek | Bedford | From Duck River to Alexander Creek. | State threatened Striated Darter. | 35.5834 | 35.5932 | -86.6421 | -86.5417 | | |
| 08040002 | Duck-Upper | Sugar Creek | Bedford | From Duck River to headwaters. | State threatened Coppercheek Darter. | 35.4801 | 35.3649 | -86.5103 | -86.4863 | | |
| 08040002 | Duck-Upper | Wartrace Creek | Bedford | From Garrison Fork Creek to headwaters. | State threatened Striated Darter. | 35.5073 | 35.6538 | -86.334 | -86.3076 | | |
| 08040002 | Duck-Upper | Stokes Branch | Bedford | From Garrison Fork to Pannell Branch. | State threatened Striated Darter. | 35.5072 | 35.519 | -86.3348 | -86.3548 | | |
| 08040002 | Duck-Upper | Pannell Branch | Bedford | From Stokes Branch to headwaters. | State threatened Striated Darter. | 35.519 | 35.5451 | -86.3551 | -86.3879 | | |
| 08040002 | Duck-Upper | Duck River Unnamed Tributary | Bedford | From Duck River near river mile 194 to origin. | State threatened Yellow Sunnybell. | 35.5816 | 35.5588 | -86.8281 | -86.8246 | NOV-13-2007 | |
| 08040002 | Duck-Upper | Weakley Creek | Bedford | From River Mile 0.9 of Weakley | State threatened Yellow Sunnybell. | 35.6035 | 35.6077 | -86.5805 | -86.566 | NOV-13-2007 | |

| | | Unnamed Tributary | Creek to origin | | | | | | | |
|----------|------------|--------------------------------|-----------------|--|--|-----------|-----------|------------|------------|-------------|
| 08040002 | Duck-Upper | Dolly Branch | Bedford | Dolly Branch from Longview Road to origin. | State endangered streamside salamander | 35.663847 | 35.678768 | -86.528001 | -86.532503 | JAN-31-2019 |
| 08040002 | Duck-Upper | Weakly Creek Unnamed Tributary | Bedford | Unnamed tributary from confluence with Weakly Creek to origin. | State endangered streamside salamander | 35.652275 | 35.66549 | -86.552671 | -86.537823 | JAN-31-2019 |
| 08040002 | Duck-Upper | Dolly Branch | Bedford | Dolly Branch from confluence with Alexander Creek to origin. | State endangered streamside salamander | 35.65649 | 35.673853 | -86.515745 | -86.536887 | FEB-13-2019 |
| 08040002 | Duck-Upper | Weakly Creek Unnamed Tributary | Bedford | Unnamed tributary from Confluence with Weakly Creek to origin. | State endangered streamside salamander | 35.650073 | 35.650073 | -86.550764 | -86.537632 | FEB-13-2019 |
| 08040002 | Duck-Upper | Weakly Creek Unnamed Tributary | Bedford | Unnamed tributary from Weakly Creek to origin. | State endangered streamside salamander | 35.652345 | 35.665494 | -86.552714 | -86.538037 | FEB-13-2019 |
| 08040002 | Duck-Upper | Weakly Creek Unnamed Tributary | Bedford | Unnamed tributary from Weakly Creek to origin including tributaries. | State endangered streamside salamander | 35.668938 | 35.675986 | -86.552365 | -86.544948 | FEB-13-2019 |

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Abbreviations

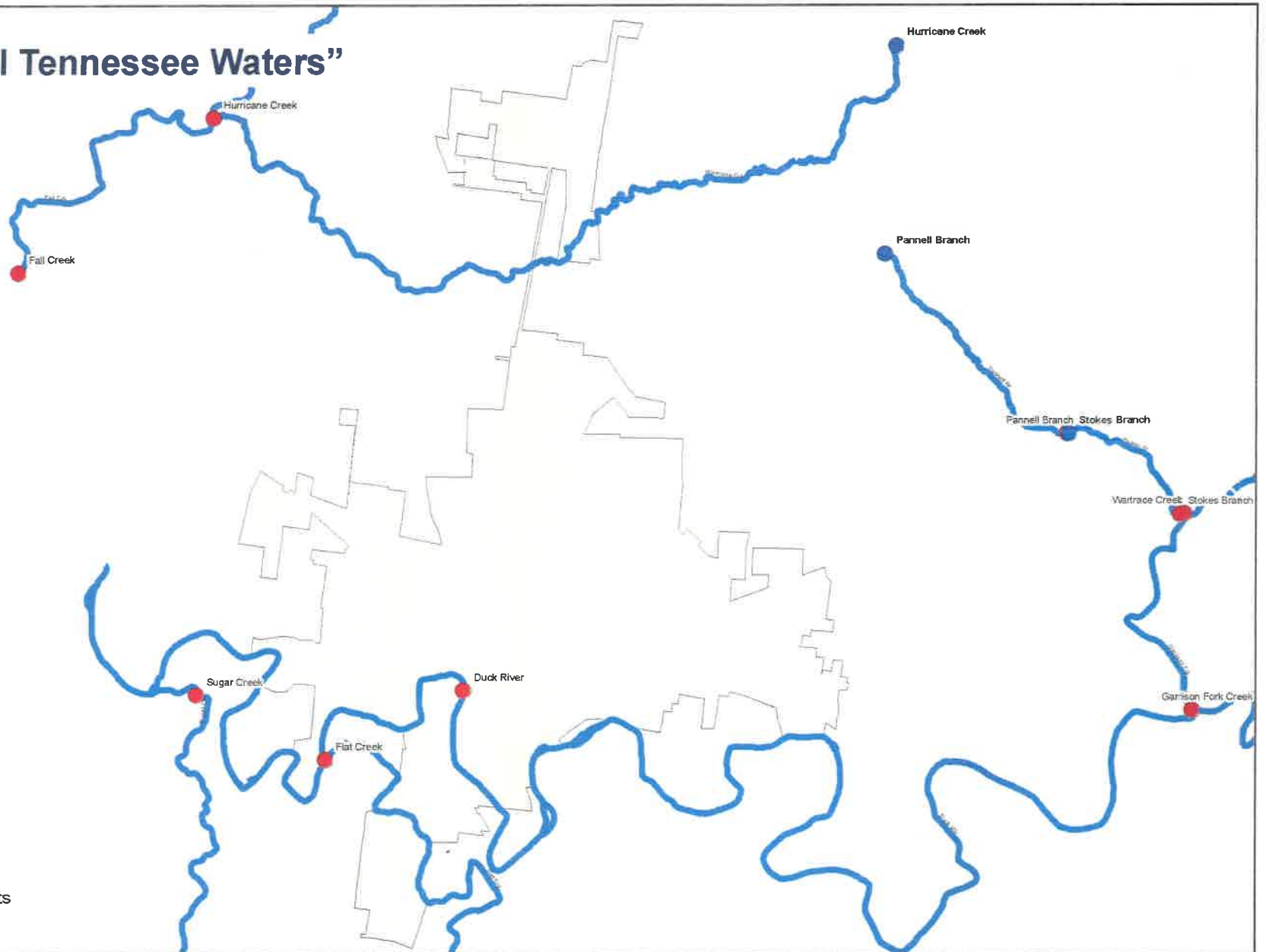
- NF = National Forest
- NM = National Monument
- NMP = National Military Park
- NP = National Park
- NRA = National Recreation Area
- NRRA = National River and Recreation Area
- NW = National Wilderness
- NWR = National Wildlife Refuge
- ONRW = Outstanding National Resource Water
- RM = River Mile
- SAA = State Archaeological Area
- SHP = State Historic Park
- SNA = State National Area
- SP = State Park
- WA = Wilderness Area
- WMA = Wildlife Management Area
- WR = Wildlife Refuge



If you have any questions or comments, email our staff at Water.Permits@tn.gov or call at (888) 891-TDEC (8332).



“Exceptional Tennessee Waters”



Legend

- Beginning
- End
- Exceptional Water
- Shelbyville City Limits

City of Shelbyville Storm Water Management Organizational Structure

