



THE AUDITOR OF PUBLIC ACCOUNTS LOCALITY STORMWATER UTILITY REPORTING FORM

The purpose of this form is to implement the following locality stormwater utility reporting requirement established by Paragraph D.1. of Item 2 of the Fiscal Year 2021-2022 State Budget ([Chapter 552](#) of the 2021 Acts of Assembly): *Each locality establishing a utility or enacting a system of service charges to support a local stormwater management program pursuant to §15.2-2114, Code of Virginia, shall provide to the Auditor of Public Accounts by October 1 of each year, in a format specified by the Auditor, a report as to each program funded by these fees and the expected nutrient and sediment reductions for each of these programs. For any specific stormwater outfall generating more than \$200,000 in annual fees, such report shall include identification of specific actions to remediate nutrient and sediment reduction from the specific outfall.*

Each locality subject to the reporting requirement set forth above should complete and submit this report form each year to the Auditor of Public Accounts by October 1, in an electronic format emailed to LocalGovernment@apa.virginia.gov. **The report for the Fiscal Year 2021 (or applicable reporting period) is due by October 1, 2021.**

SECTION 1 – LOCALITY INFORMATION

Locality Name: City of Roanoke
Contact Name/Title: Ian D. Shaw, PE, AICP/Stormwater Manager
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Contact Email: ian.shaw@roanokeva.gov
Contact Phone: 540-853-5901
Report Completion Date: September 30, 2021

SECTION 2 - STORMWATER UTILITY FEES

For your stormwater utility fees provide the following information from your current fiscal year or most recent audited annual financial report. (Note: “Draft” or preliminary amounts from the current fiscal year may be submitted due to the timing of this report’s October 1 deadline, which is prior to a locality’s annual audited financial report deadline of December 15.)

Financial Statement Fund Name: Stormwater Fund - 03

Fiscal year: 2021

Revenues	Expenditures	Ending Fund Balance or Net Position
6,979,768	9,618,091	12,060,587
If necessary, provide any additional detail/clarification below about the financial information provided at Section 2. <ul style="list-style-type: none"> All figures in the table are preliminary as of 9/30/2020 and subject to change as the FY2020-2021 annual financial statement has not yet been completed. 		

- As required by State Code and City ordinance, all revenue from the stormwater utility fee is credited to the Stormwater Utility Proprietary Fund. Other amounts credited to the fund include transfers from bond proceeds, and revenue from VDOT revenue sharing program and VA DEQ SLAF (Stormwater Local Assistance Fund) program.
- The balance is split between operations and multi-year capital projects; including remaining bond funds, VDOT revenue sharing funds, and DEQ SLAF funds.

SECTION 3 – FUNDED PROGRAMS AND OTHER MAJOR ACTIVITIES

Provide a brief description of each major program funded by the utility fee system and, where applicable, the expected nutrient and sediment reductions for each of these programs.

A. Operations & Maintenance Program

Stormwater Utility fees are used for a wide range of annual operating and maintenance activities including:

Water Quality Improvement Program

Clean Water Act 303(d) Program/Watersheds & Urban Stormwater Research

- Urban stormwater research project with Virginia Tech with this year's program focused on developing a tool to prioritize potential stream restoration projects.
- Continued research project with the University of Maryland Baltimore County to assess presence and migration of PCBs in the City watersheds to support PCB TMDL action planning.

Clean Water Act 303(d) Program/TMDL Action Plans for Sediment, Bacteria, and PCBs

- Streetsweeping – swept approximately 17,000 lane miles and removed 1,529 tons of material.
- Stormdrain inspection – Inspected 93,429 linear feet of pipe/drain.
- Stormdrain repairs – Cleaned 78 inlets and 47,741 linear feet of pipe, repaired 55 inlets, cleaned/repared 54 ditch lines.
- Continued bacteria monitoring program including coordination with Western Virginia Water Authority to repair leaking sanitary sewers.
- Outfalls inspected annually and recorded in the City's GIS.

Floodplain Management

- Compliance and outreach related to FEMA National Flood Insurance Program participation.
- Compliance and outreach related to the Community Rating System (CRS) program participation.
- Completion of Letter of Map Revision for the Roanoke River reflecting the changes from the USACE Roanoke River Flood Reduction Project.
- Preliminary Engineering Report for measures to reduce flooding in the City's Downtown/Central Business District.

Public Education and Outreach

- Annual State of the Water publication sent to all City residents.
- Partnership with non-profit Clean Valley Council on various education activities and clean-up program.

B. Capital Improvement Program

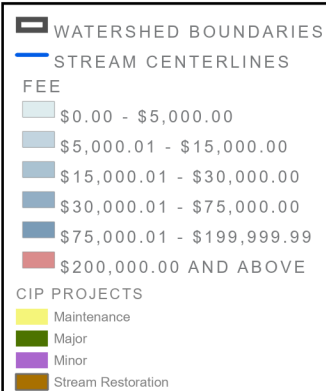
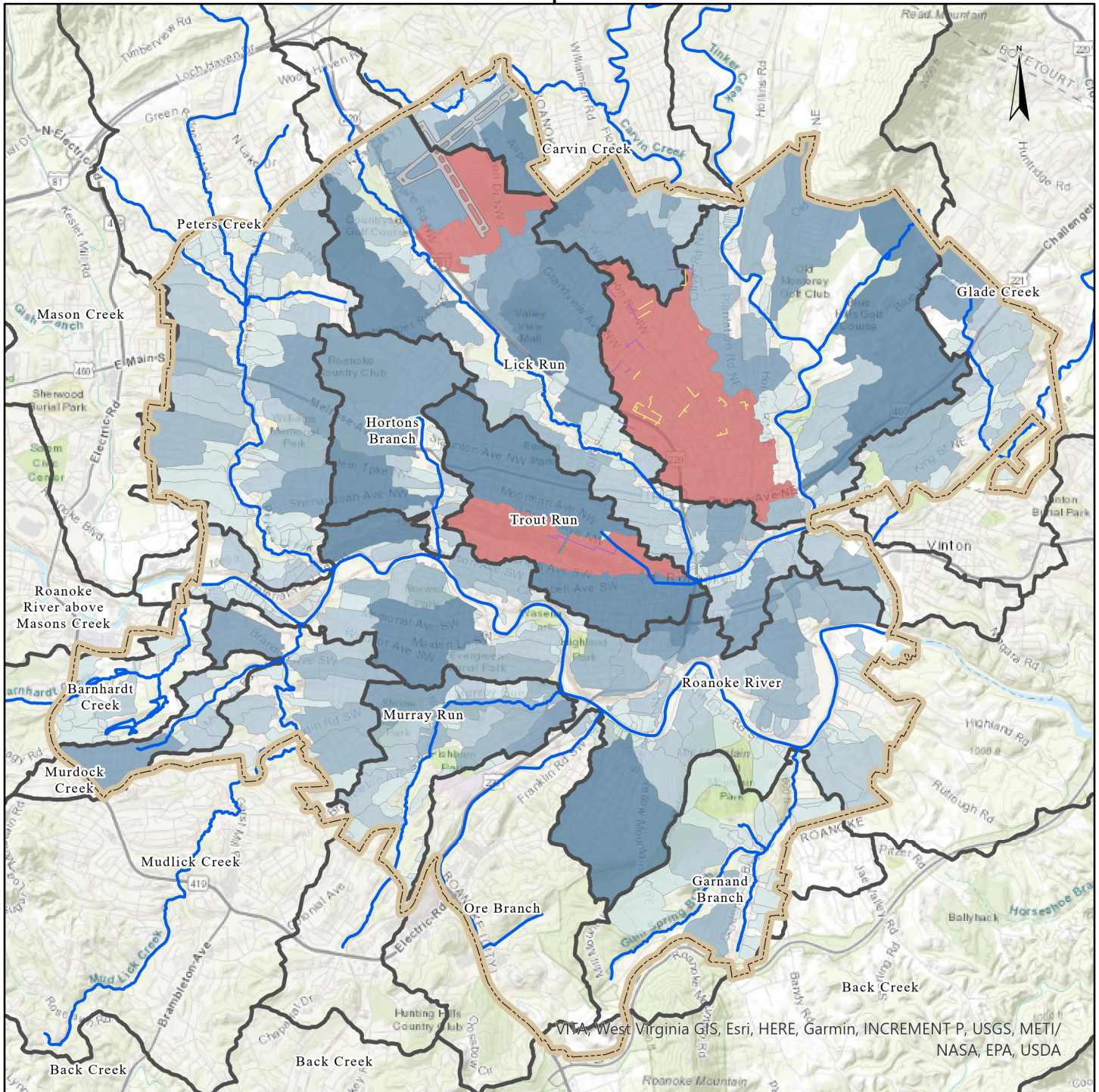
The Stormwater Utility Capital Improvement Program includes a range of projects including traditional drainage, flood mitigation, and green infrastructure/water quality typically designed by outside engineers and constructed by outside contractors. Our goal is to emphasize holistic projects that address local drainage, water quality and flood reduction. The Stormwater Utility also implements smaller projects that are designed and/or constructed in house. Highlights for the year include:

- Narrows Road Drainage – Internal evaluation of a project that incorporates flood prone property acquired by the city with a combination of traditional drainage improvements and green infrastructure elements.
- Peakwood/Somerset and 13th Street, NE - Internal construction of two drainage improvement projects that address ponding/freezing water on city streets.
- Lick Run Stream Restoration at Roanoke-Blacksburg Regional Airport – Partnership between the City and the Airport Authority to improve water quality in and better manage run off to a stream crossing airport property
- Application for four FEMA grants (two awarded, two pending) that would result in approximately \$8,000,000 in acquisition of flood prone properties and related flood mitigation/floodplain improvement. Commits approximately \$2,500,000 in City capital funds.
- Construction activity on six neighborhood drainage projects with three completed through final acceptance by the City.

Three outfalls in the city receive runoff from large drainage areas that account for over \$200,000 in utility fees. These outfalls and drainage areas are shown on the attached map. In accordance with Paragraph D.1. of Item 2 of the State budget bill (Chapter 552 of the 2021 Acts of Assembly), the following specific actions to address sediment and nutrient reductions have been undertaken or are under consideration:

- Outfall 400561 – This outfall drains a large portion of the Williamson Road corridor and nearby residential neighborhoods and discharges to Tinker Creek near Orange Avenue. There are 18 neighborhood drainage projects identified in the drainage area for this outfall. One of the projects is scheduled for construction in the current fiscal year (FY22).
- Outfall 600452 – This outfall drains a large swath of railyard, industrial land and a portion of Downtown Roanoke and discharges to Trout Run as it enters downtown. As noted above, an engineering study was completed to identify projects to minimize the flooding impacts of runoff from this drainage area on Downtown Roanoke. Two conveyance projects are being funded with construction to occur between fiscal years 2023 and 2028. There is funding for small projects to add inlets within downtown. Funding (City and potential VDOT revenue sharing) is targeted for Fiscal Years 2027 and 2028 to add green infrastructure/small detention area upstream of downtown.
- Outfall 600164 – This outfall drains a portion of the Roanoke-Blacksburg Regional Airport and commercial and industrial areas in the vicinity and discharges to Lick Run along Frontage Road. The Stormwater Utility and Airport Commission are in discussion on possible measures to reduce runoff from the airport. There are no other capital projects currently identified in this drainage area. Most of the commercial development has occurred since 1980 and has some level of stormwater management in place. Assessment of water quality projects in this area is ongoing.

Stormwater Fee per Catchment 2021



Outfalls with fee valued over \$200k

Outfall ID	Watershed	Fee Value
400561	Tinker Creek	\$399,210.22
600452	Trout Run	\$228,013.51
600164	Lick Run	\$207,284.11



* See attached table for Projects associated with Outfall IDs