

### Historic Flood Damage Data

The City maintains a **drainage complaint database** for all issues reported by property owners and City residents. Complaints range from home flooding to broken inlet covers. This database allows the City to identify potential improvement needs, severity of drainage problems, and repeat maintenance issues.

City staff have also documented **drainage improvement project needs** through location lists dating back to 1986, including the 2017 CIPs (CIP #1 consisting of a list of water quality projects to advance the City's WRPP goals and CIP #2 with a prioritization and ranking of the previously identified major and minor drainage improvement projects). In May of 2023, these lists were compiled into a master document and locations were reviewed to determine present-day needs (attached).

The City maintains **GIS data** on the drainage complaint locations, CIP project locations, and repetitive loss properties. Analyzing zoning and floodplain data, the City identified 675 parcels partially or fully located within floodplain. Figure 1 provides a general breakdown of these parcel uses. In addition, several arterial roadways that connect the City of Charlottesville to surrounding Albemarle County span special flood hazard areas. The most notable of these is 5th Street SW and Avon Extended to the south and Long Street to the East. Cherry Avenue is a collector street that runs through the Fifeville and Fry's Spring neighborhoods and spans the Rock Creek floodplain.

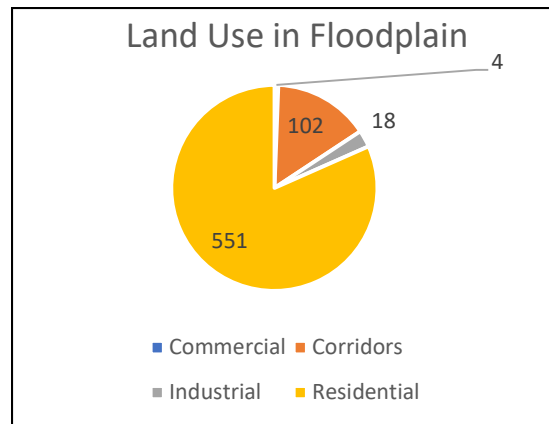


Figure 1: Floodplain Inventory

Figures 2-5 are photos of the Rivanna River Flooding in May of 2018.



Figure 2: Rivanna River Flooding, May 2018



Figure 3: Rivanna River Flooding, May 2018



Figure 4: Rivanna River Flooding, May 2018



Figure 5: Rivanna River Flooding, May 2018

Figure 6 shows the FEMA Dashboard for the Charlottesville Risk MAP with data on flooding events, flood insurance policies, and claims.



Figure 6: FEMA Dashboard of Charlottesville Risk MAP

### CIP Prioritization List (May 2023) 1 of 3

Location	Identifier	Planning Neighborhood	Drainage Area (acres)	Cummulative Score	Watershed Management Area	Opinion of Probable Cost
Allied Street	URS MP	North Downtown	208.5	<b>19.4</b>	Schenks	
5th Street_ Cleveland to Brookwood	DC (2021)	Fifeville	371.1	<b>17</b>	Rock Creek	
1000 Block of St. Charles	DC (2018)	Locust Grove	8.5	<b>16</b>	St. Charles	\$725,000
N Baker Street_101/1412 Baker St	DC (2022)	Fifeville	226.4	<b>15.7</b>	Rock Creek	
101 Rothery Road & Ivy Road	DR-15	Lewis Mountain	60.2	<b>15</b>	Upper Meadow	\$450,000
201 Old Lynchburg	DC (2020)	Fry's Spring	35.8	<b>14.6</b>	Fry's Spring	\$135,000
Cherry Avenue & Highland Avenue	DR-06	Fry's Spring	67.1	<b>14.6</b>	Rock Creek	\$565,000
600 Block St. Charles Avenue	DC (2021)	North Downtown	50.4	<b>14.2</b>	St. Charles	\$574,000
Woodland Drive	DC (2019)	hh	29	<b>14.2</b>	Rock Creek	\$547,000
Caroline and Fairway	Issues List (2007)	Woolen Mills	306.6	<b>14</b>	Meade Creek	
Rives Street & Hampton Street	DR-03	Belmont	39.7	<b>12.9</b>	Lower Moores	\$327,000
912 Henry Avenue	DC (2023)	Rose Hill	4.4	<b>12.5</b>	Schenks	
Greenbrier_Denice Lane	DC (2018)	Greenbrier	27.4	<b>11.5</b>	Mid Meadow	\$263,000
E Market Street & 12th Street	DR-02	Martha Jefferson	35.8	<b>11</b>	Meade Creek	\$710,000
Valley Road pipe replacement	DC (2023)	Jefferson Park Ave	15.5	<b>11</b>	Rock Creek	
420 7th 1/2 St	DC(2013)	Fifeville	40	<b>10.6</b>	Rock Creek	\$321,000
900 Block Rock Creek Rd	FEMA (2015)	Fifeville	297.5	<b>10</b>	Rock Creek	
304/306 Carlton Road	DC (2018)	Belmont	13.2	<b>9.8</b>	Lower Moores	\$300,000.00
711 Madison Avenue	DC (2019)	Venable	14.9	<b>9.6</b>	Schenks	
1214 Agnese St	DC (2018)	Locust Grove	4.9	<b>9.6</b>	Urban Rivanna	
RR to Schenks Branch	DC (2022)	North Downtown	28.2	<b>9.5</b>	Schenks	
306 Monte Vista	DC (2021)	Fry's Spring	4.7	<b>9.5</b>	Fry's Spring	\$303,000.00
514 Cleveland Ave	DC (2022)	Johnson Village	0.55	<b>9.5</b>	Rock Creek	
McElroy Drive	FEMA (2022)	Fry's Spring	6000	<b>9.5</b>	Fry's Spring	
Jackson-Via Parking	DC (2022)	Fry's Spring	1.45	<b>9.5</b>	Fry's Spring	
Sunset Ave Ped Bridge	VDOT (2018)	Fry's Spring	2700	<b>9.2</b>	Fry's Spring	
1214 Grove Street	DR-13	Fifeville	0.9	<b>9</b>	Rock Creek	
1605 Amherst	DC (2022)	Barracks/Rugby	54.4	<b>9</b>	Schenks	
806 Cabell Avenue	DC (2021)	Venable	8.8	<b>9</b>	Schenks	
2000 block of Stadium Road	PS (2021)	JPA	20.2	<b>9</b>	Rock Creek	
Tarleton_2108	DC (2022)	Greenbrier	98.8	<b>9</b>	Mid Meadow	
JPA culvert at Harmon	PS (2020)	JPA	122	<b>9</b>	Rock Creek	
Manila Street	PS (2020)	Fry's Spring	62.8	<b>9</b>	Rock Creek	
Peartree Ln_River Court	DC (2018)	Locust Grove	13.6	<b>9</b>	Urban Rivanna	
1114 Forest Hills Ave	DR-16	Fifeville	62.8	<b>9</b>	Rock Creek	
1612 Kenwood Lane	DC (2022)	Greenbrier	1.7	<b>9</b>	Meadowbrook	\$225,000.00
Forest Hills Ave & 9th St SW	DC (2017)	Fifeville	2.9	<b>9</b>	Rock Creek	
River Road & Belleview	SP (2021)	Rivanna	10.4	<b>8.9</b>	Urban Rivanna	
Intersection of Cameron/Rothery	DC (2017)	Lewis Mountain	43.3	<b>8.8</b>	Upper Meadow	
1st Street & Garrett	Issues List (2007)	North Downtown	1.2	<b>8.8</b>	Pollocks	
Parker Place & Mason Lane	Issues List (2007)	Barracks/Rugby	1.8	<b>8.8</b>	Schenks	
Rockland & Rialto to Palatine	DC (2022)	Belmont	3.1	<b>8.8</b>	Lower Moores	
600 Block Elliot	DC(2023)	Belmont	0	<b>8.8</b>	Pollocks	
11th St NE to E Market	PS (2022)	Martha Jefferson	4.2	<b>8.6</b>	Meade Creek	
1208 Bland Circle	NDP (2020)	Locust Grove	0.8	<b>8.6</b>	Urban Rivanna	
Cherry Avenue & 10th Street SW	DR-19	Fifeville	1.7	<b>8.5</b>	Rock Creek	
200 Block of Palatine	DC (2018)	Belmont	3.2	<b>8.5</b>	Lower Moores	
Barracks-Emmet to Meadowbrook	SWMM (2010)	The Meadows	600	<b>8.2</b>	Upper Meadow	
1200 Amherst	DC (2020)	Barracks/Rugby	0.75	<b>8.2</b>	Schenks	
829 Belmont Avenue	Issues List (2007)	Belmont	1.33	<b>8</b>	Lower Moores	
1321 Chesapeake Street	DC (2023)	Woolen Mills	9	<b>8</b>	Meade Creek	



### CIP Prioritization List (May 2023) 2 of 3

Location	Identifier	Planning Neighborhood	Drainage Area (acres)	Cummulative Score	Watershed Management Area	Opinion of Probable Cost
1101 Myrtle	DC (2023)	Belmont	1.1	8	Meade Creek	
620 Moseley Drive	DR-10	Fry's Spring	1.4	8	Fry's Spring	
932 Raymond Road	DC (2018)	Ridge Street	4.5	8	Rock Creek	
Kent / Minor Road	DC (2022)	Lewis Mountain	0	8	Upper Meadow	
Carter Lane to Kenwood	DC (2022)	Greenbrier	13.2	8	Urban Rivanna	
1615 Greenleaf Lane	Rehab (2022)	Barracks/Rugby	1.9	8	Meadowbrook	
1200 Block St. George Ave	NDP (2020)	Locust Grove	3.5	8	Urban Rivanna	
Oak Street & Ridge Street	DR-05	Fifeville	1	7.8	Pollocks	
Dellmead Lane_Cedar Hill Rd	DC (2022)	The Meadows	11.2	7.6	Upper Meadow	
1027 St. Clair Ave	NPD (2022)	Locust Grove	11.9	7.6	Urban Rivanna	
Meadowbrook Road	DR-04	Barracks/Rugby	52.5	7.6	Meadowbrook	
216 Chestnut Street	DR-07	Belmont	0.6	7.5	Meade Creek	
502_503 Moseley	DC (2021)	Fry's Spring	8.6	7.5	Fry's Spring	
722 Lexington Avenue	DC (2020)	North Downtown	1.9	7.5	St. Charles	
Riverview_209	DC (2023)	Woolen Mills	3.6	7.5	Urban Rivanna	
217 Monte Vista	DC (2017)	Fry's Spring	1.4	7.5	Fry's Spring	
Maple Lexington VC lines	Issues List (2007)	North Downtown	6.2	7.4	St. Charles	
Park Street & Cutler Lane	Issues List (2007)	Locust Grove	7.9	7.2	Schenks	
Fendall Terrace_805	DC (2018)	Venable	8.9	7.2	Upper Meadow	
1501 Greenleaf	DC (2017)	Barracks/Rugby	2.9	7.1	Meadowbrook	
332 Camellia Drive	DC (2021)	Fry's Spring	3.3	7.1	Fry's Spring	
10th & Wertland	CIP (2018)	10th & Page	3	7	Schenks	
702 Druid Ave	DR-18	Belmont	1.3	7	Lower Moores	
1710 Rugby Ave	DC (2021)	Barracks/Rugby	24	7	Schenks	
726 Stonehenge	DC (2022)	Belmont	1.6	7	Lower Moores	
Jefferson Park Circle_2637	DC (2022)	Fry's Spring	1.3	7	Fry's Spring	
1623 Center Ave	DC (2021)	Fry's Spring	7.7	7	Rock Creek	
1411 Hazel Avenue	NDP (2020)	Martha Jefferson	4.2	7	Urban Rivanna	
David Terrace_Valley Rd Ext.	Issues List (2007)	Fry's Spring	12.2	7	Rock Creek	
1st St N_400 Block	DC (2023)	North Downtown	4.9	7	Schenks	
North Ave_812	DC (2020)	Locust Grove	12.4	7	St. Charles	
Harris St_801	PW (2022)	Rose Hill	35	7	Schenks	
1412/14 Rugby Avenue, 1415 Westwood	DC (2021)	Barracks/Rugby	7.6	6.5	Schenks	
1623 Brandywine	NDP (2019)	Greenbrier	15.9	6.5	Mid Meadow	
Lehigh to Lester	DC (2023)	Greenbrier	7.7	6.5	Mid Meadow	
Jefferson Park Circle_2617	Issues List (2007)	Fry's Spring	1	6.5	Fry's Spring	
211 Shamrock Road	PW (2022)	Fry's Spring	9	6.5	Rock Creek	
1536 Virginia Avenue	DC (2022)	Venable	1.56	6.5	Rock Creek	
Evergreen Streetscape	CIP (2022)	North Downtown	10.6	6.4	St. Charles	
1002 Locust Lane	DR-17	Locust Grove	2	6.2	Urban Rivanna	
Tunlaw_Rosser to Burnley	DC (2022)	Venable	5.9	6.2	Schenks	
1722 Yorktown Drive	DR-08	Greenbrier	2.1	6	Mid Meadow	
1418/1420 Forest Ridge	Issues List (2007)	Fifeville	0.8	6	Rock Creek	
310_312 Camellia Rd	DC (2022)	Fry's Spring	1.9	6	Fry's Spring	
1615 Amherst	DC (2022)	Barracks/Rugby	0.45	6	Schenks	
Lyons Ave_738	DC (2022)	North Downtown	0.3	6	St. Charles	
Azalea Trail	DC (2022)	Fry's Spring	15.5	6	Fry's Spring	
1709 Essex Road	NDP (2019)	Greenbrier	5.2	6	Mid Meadow	
1002 Locust Lane detention facility	DC (2023)	Locust Grove	4.1	6	Urban Rivanna	
Moseley Drive_608	DC (2019)	Fry's Spring	12.8	6	Fry's Spring	
Broad and Cherry	Rehab (2021)	Fry's Spring	6.8	6	Rock Creek	

### CIP Prioritization List (May 2023) 3 of 3

Location	Identifier	Planning Neighborhood	Drainage Area (acres)	Cummulative Score	Watershed Management Area	Opinion of Probable Cost
1600 Block of Oakleaf	DC (2018)	Barracks/Rugby	11.5	5.5	Meadowbrook	
1500 Block_Rugby Ave	DC (2022)	Barracks/Rugby	9.4	5.5	Schenks	
Buckingham Road_100 block	DC (2009)	Venable	0.55	5.5	Upper Meadow	
Stonehenge_900 Block	Issues List (2007)	Belmont	4.6	5.2	Lower Moores	
1296 Kenwood	PS (2020)	Greenbrier	2.2	5.2	Urban Rivanna	
1114 Altavista	DC (2021)	Belmont	0.35	4.5	Lower Moores	
600 block Bolling Avenue	NDP (2020)	Belmont	3.2	4.5	Pollocks	
231 Hartman's Mill Road	DC (2018)	Ridge Street	0.6	4.5	Pollocks	
821 Alta Vista	DC (2020)	Belmont	1.8	4.4	Lower Moores	
935 Monticello	DC (2020)	Belmont	3.5	3.5	Lower Moores	
702 Elizabeth Avenue	NDP (2021)	Locust Grove	1.5	3.5	Urban Rivanna	