

Approval of FY2023 Project Recommendations for Funding from the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund

§ 10.1-611.1. Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund established; Department to manage; Board to expend moneys; regulations.

A. There is hereby created in the state treasury a special nonreverting fund to be known as the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund, hereafter referred to as "the Fund." The Fund shall be comprised of moneys appropriated to the Fund by the General Assembly and any other moneys designated for deposit to the Fund from any source, public or private. The Fund shall be established on the books of the Comptroller and the moneys shall be paid into the state treasury and credited to the Fund. Interest earned on moneys in the Fund shall remain in the Fund and be credited to it. Any moneys remaining in the Fund, including interest thereon, at the end of each fiscal year shall not revert to the general fund but shall remain in the Fund. Moneys in the Fund shall be used solely for (i) the maintenance and repair of any dams owned by soil and water conservation districts and (ii) the rehabilitation and major repair of Class I and Class II dams owned by soil and water conservation districts, in order to bring such dams into compliance with regulations promulgated pursuant to Article 2 (§10.1-604 et seq.) of Chapter 6 of this title. Expenditures from the Fund made under clause (ii) of this subsection may include, but are not limited to, the following repairs to the infrastructure of a dam: increasing the height of a dam, modifying the spillway, and reducing wave erosion of a dam's inside face. Expenditures and disbursements from the Fund shall be made by the State Treasurer on warrants issued by the Comptroller upon written request signed by the Director of the Department of Conservation and Recreation.

B. The Fund shall be administered and managed by the Department of Conservation and Recreation, subject to the right of the Board, following consultation with the Department of Conservation and Recreation, to direct the distribution of moneys in the Fund to particular soil and water conservation districts.

C. The Board is authorized to promulgate regulations for the proper administration of the Fund. Such regulations may include, but are not limited to, the type and amount of financial assistance, the terms and conditions of the assistance, and project eligibility criteria.

Chapter 2 of the 2022 Special Session 1 Acts of Assembly; Item 374

A.1. Out of the amounts appropriated for Financial Assistance to Virginia Soil and Water Conservation Districts, \$11,347,091 the first year and \$10,947,091 the second year from the general fund shall be provided to soil and water conservation districts for administrative and operational support. These funds shall be distributed upon approval by the Virginia Soil and Water Conservation Board to the districts in accordance with the Board's established financial allocation policy. Of this amount, \$9,965,091 the first year and \$9,565,091 the second year from the general fund shall be distributed to the districts for core administrative and operational expenses (personnel, training, travel, rent, utilities, office support, and equipment) based on identified budget projections and in accordance with the Board's financial allocation policy; \$468,000 the first year and \$468,000 the second year from the general fund shall be distributed at a rate of \$4,500 per dam for maintenance; \$500,000 the first year and \$500,000 the second year from the general fund for small dam repairs of known or suspected

deficiencies; \$400,000 the first year from the general fund for the purchase and installation of remote monitoring equipment for District-owned dams; and \$170,000 the first year and \$170,000 the second year to the department to provide district support in accordance with Board policy, including, but not limited to, services related to auditing, bonding, contracts, and training. The amount appropriated for small dam repairs of known or suspected deficiencies and the purchase and installation of remote monitoring equipment is authorized for transfer to the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund.

Recommended Motion:

The Virginia Soil and Water Conservation Board (Board) approves funding for ten (10) projects in the amount of \$1,170,803.00 as presented and recommended by the Department. For FY2023, the Board also approves allocating \$165,005.23 for contingency funds and \$50,000 for emergency project funds.

Additionally, the Board directs the Department to reimburse Soil and Water Conservation Districts for all eligible costs associated with the installation of the remote monitoring equipment as provided for in Chapter 2 of the 2022 Special Session 1 Acts of Assembly. The funding for the reimbursements shall be provided from the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund.

Further, the Board authorizes the Piedmont Soil and Water Conservation District to utilize any remaining funds from projects ID#21-09 and SDR22004 for use towards project ID#21-10 Bush River #5 (INV#147039) wave berm project.

FY 2023 PROJECT FUNDING RECOMMENDATIONS
Soil and Water Conservation District
Dam Maintenance, Repair, and Rehabilitation Fund
(Fund 09254)

TO THE VIRGINIA SOIL AND WATER CONSERVATION BOARD

TABLE OF CONTENTS

Section	Page
Table of Contents	2
Introduction	3
FY 2023 Overview	4
FY 2023 Recommendations	4
Project Contingency Funds	5
Emergency Project Funds	5
Reallocation of Funds	6
Remote Monitoring Project	6
FY 2022 Projects Summary	6
FY 2021 Projects Summary	7
FY 2020 Projects Summary	7
FY 2019 Projects Summary	7
FY 2018 Projects Summary	8
FY 2017 Projects Summary	8
Account Summary	9
 Appendix I – FY 2023 Project Prioritization	 10
Introduction	11
Prioritization Table	11
Prioritization Scoring System	12
 Appendix II – FY 2023 Project Evaluations and Recommendations.....	 13
Introduction	14
Summary Table	14
Evaluations and Recommendations.....	15
 Appendix III – Remote Monitoring Project	 19
 Appendix IV – FY 2022 Project Status	 22
 Appendix V – FY 2021 Project Status	 25
 Appendix VI – FY 2020 Project Status	 28
 Appendix VII – FY 2019 Project Status	 31
 Appendix VIII – FY 2018 Project Status	 35
 Appendix IX – FY 2017 Project Status	 39

Introduction:

The Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund (the Fund) is established by § 10.1-611.1 (see below). The Fund is administered and managed by the Department of Conservation and Recreation (DCR), subject to the approval of the Virginia Soil and Water Conservation Board for the distribution of moneys from the Fund to Soil and Water Conservation Districts (SWCD).

§ 10.1-611.1. Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund established; Department to manage; Board to expend moneys; regulations.

A. There is hereby created in the state treasury a special non-reverting fund to be known as the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund, hereafter referred to as "the Fund." The Fund shall be comprised of moneys appropriated to the Fund by the General Assembly and any other moneys designated for deposit to the Fund from any source, public or private. The Fund shall be established on the books of the Comptroller and the moneys shall be paid into the state treasury and credited to the Fund. Interest earned on moneys in the Fund shall remain in the Fund and be credited to it. Any moneys remaining in the Fund, including interest thereon, at the end of each fiscal year shall not revert to the general fund but shall remain in the Fund. **Moneys in the Fund shall be used solely for (i) the maintenance and repair of any dams owned by soil and water conservation districts and (ii) the rehabilitation and major repair of Class I and Class II dams owned by soil and water conservation districts**, in order to bring such dams into compliance with regulations promulgated pursuant to Article 2 (§ 10.1-604 et seq.) of Chapter 6 of this title. Expenditures from the Fund made under clause (ii) of this subsection may include, but are not limited to, the following repairs to the infrastructure of a dam: increasing the height of a dam, modifying the spillway, and reducing wave erosion of a dam's inside face. Expenditures and disbursements from the Fund shall be made by the State Treasurer on warrants issued by the Comptroller upon written request signed by the Director of the Department of Conservation and Recreation.

B. The Fund shall be administered and managed by the Department of Conservation and Recreation, **subject to the right of the Board**, following consultation with the Department of Conservation and Recreation, to direct the distribution of moneys in the Fund to particular soil and water conservation districts.

C. The Board is authorized to promulgate regulations for the proper administration of the Fund. Such regulations may include, but are not limited to, the type and amount of financial assistance, the terms and conditions of the assistance, and project eligibility criteria.

In accordance with Chapter 2 of the 2022 Special Session 1 Virginia Acts of Assembly (Item 374):

A.1. Out of the amounts appropriated for Financial Assistance to Virginia Soil and Water Conservation Districts, \$11,347,091 the first year and \$10,947,091 the second year from the general fund shall be provided to soil and water conservation districts for administrative and operational support. These funds shall be distributed upon approval by the Virginia Soil and Water Conservation Board to the districts in accordance with the Board's established financial allocation policy. Of this amount, \$9,965,091 the first year and \$9,565,091 the second year from the general fund shall be distributed to the districts for core administrative and operational expenses (personnel, training, travel, rent, utilities, office support, and equipment) based on identified budget projections and in accordance with the Board's financial allocation policy; \$468,000 the first year and \$468,000 the second year from the general fund shall be distributed at

a rate of \$4,500 per dam for maintenance; **\$500,000 the first year and \$500,000 the second year from the general fund for small dam repairs of known or suspected deficiencies; \$400,000 the first year from the general fund for the purchase and installation of remote monitoring equipment for District-owned dams;** and \$170,000 the first year and \$170,000 the second year to the department to provide district support in accordance with Board policy, including, but not limited to, services related to auditing, bonding, contracts, and training. The amount appropriated for small dam repairs of known or suspected deficiencies and the purchase and installation of remote monitoring equipment is authorized for transfer to the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund.

In an effort to better allocate the funding and identify priority projects, DCR has developed a prioritization process for project requests. This process is detailed in Appendix I. The following report provides project funding recommendations for FY 2023. The report also includes a status update on the previous years' obligated funds.

FY 2023 Overview:

Soil and Water Conservation Districts (SWCDs) submitted to the District Dam Engineer requests for eight (8) new projects in the amount of \$338,478.00 for consideration in FY 2023.

A total of seven (7) projects in the amount of \$1,127,000.00 did not receive funding in FY 2022 and, therefore, were also considered for FY 2023 funding.

Additionally, funds have been allocated for the purchase and installation of remote monitoring equipment in the amount of \$400,000.

The fifteen (15) projects were prioritized using a point evaluation system and assigned a unique sequential ID#; the result of which are located in Appendix I. The projects were then evaluated based on the prioritization score, project scope and need, available funding, and the SWCD's ability to complete the project if awarded funding. The evaluation and recommendation for each project is located in Appendix II.

FY 2023 Recommendations:

A total of ten (10) projects are recommended for FY 2023 funding in the amount of **\$1,170,803.00**. The project recommendations organized by SWCD for FY 2023 are as follows:

Blue Ridge SWCD (2 Projects - \$31,750)

- Leatherwood #2A graded filter design project (ID#23-02) in the amount of \$13,350.
- Leatherwood #6 graded filter and surface water management design project (ID#23-03) in the amount of \$18,400.

Culpeper SWCD (1 Project - \$165,000)

- Beautiful Run #1B wave berm construction project (ID#23-04) in the amount of \$165,000.

Headwaters SWCD (1 Project – \$17,500)

- Upper North River 10 tree removal project (ID#23-05) in the amount of \$17,500.

Piedmont SWCD (1 Project – \$145,000)

- Bush River #2 wave berm, storm damage, and gate valve repair construction project (ID#21-09) in the amount of \$145,000.

Peter Francisco SWCD (3 Projects – \$61,553)

- Willis River 5F gate valve and debris removal project (ID#23-06) in the amount of \$3,803.
- Slate River 14 access road crossing construction project (ID#23-07) in the amount of \$8,500.
- Muddy Creek 2 access road crossing construction project (ID#23-08) in the amount of \$49,250.

Southside SWCD (1 Project – \$350,000)

- Roanoke Creek 35A wave berm, storm damage, and gate valve repair construction project (ID#21-15) in the amount of \$350,000.

DCR Managed Project (1 Project – \$400,000)

- Remote monitoring equipment and installation project (ID#23-09) in the amount of \$400,000.

Project Contingency Funds:

Project contingency funds are used to address unexpected costs that could occur for an awarded project. For FY 2023, it is recommended that **\$165,005.23** be designated as contingency funds. This recommended amount is approximately 6.2% of current ongoing projects for which funds were obligated but not yet paid or returned to the Fund in previous years, as well as FY 2023 project recommendations. Contingency funds for any one given project are limited to no more than 15% of the awarded funding amount.

Emergency Project Funds:

Emergency project funds are used to address conditions that may develop unexpectedly, which endanger the structural integrity of the dam and/or downstream life or property. Immediate action is required to protect the dam and/or downstream life or property. For FY 2, it is recommended that **\$50,000** be designated as emergency funds. A balance of at least \$50,000 is desired to be maintained in this Fund each fiscal year for this purpose.

Reallocation of Funds:

Upon the final disbursement of project funds, any unexpended funds shall be returned to the Fund, shall be unobligated, and shall be available for subsequent project awards. The SWCD may request the unexpended funds to be reallocated to another SWCD project with a current Grant Agreement. The request for the reallocation of funds must be approved by the District Dam Engineer.

Remote Monitoring Project:

The 2022 General Assembly provided \$400,000 for the purchase and installation of remote monitoring equipment for all SWCD-owned dams. Funding was previously provided during both the 2020 Special Session and 2021 Special Session.

The District Dam Engineer, along with DCR procurement staff, will procure the needed remote monitoring equipment to be used at each dam. The District Dam Engineer will assist in the set-up and configuration of the system and training will be provided to SWCD staff on how to use and maintain the system.

Each SWCD will be responsible for the installation of the remote monitoring equipment. Installation will include buried conduit with pull boxes, conduit in the permanent pool area, and a mounting pole on the crest of the dam. All installation costs will be reimbursed through the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund.

Refer to Appendix III for additional information on this project.

FY 2022 Projects Summary:

A total of seven (7) projects were allocated funds in FY 2022. Four (4) of these projects are still in progress and three (3) projects have been completed. As part of this report, the remote monitoring equipment project with project funding amount of \$400,000 will be moved to FY2023. Detailed information on the status of FY 2022 projects is in Appendix IV.

FY 2022 Allocations:	\$1,115,350.50
FY 2022 Reallocations:	\$30,000.00
Payments from FY 2022 Allocations:	(\$258,531.10)
<u>FY 2022 Allocations Returned to Fund:</u>	<u>(\$133,768.90)</u>
FY 2022 Remaining Obligations:	\$753,050.50

FY 2021 Projects Summary:

A total of twelve (12) projects were allocated funds in FY 2021. Three (3) of these projects are still in progress; eight (8) projects have been completed; and one (1) project returned monies to the Fund. As part of this report, two projects with awarded funding in the amount of \$463,000.00 will be moved to FY2023, of which \$63,000 is for projects and \$400,000 is for remote monitoring equipment. Detailed information on the status of FY 2021 projects is in Appendix V.

FY 2021 Allocations:	\$1,043,675.00
FY 2021 Reallocations:	\$44,399.00
Payments from FY 2021 Allocations:	(\$412,868.30)
<u>FY 2021 Allocations Returned to Fund:</u>	<u>(\$212,205.70)</u>
FY 2021 Remaining Obligations:	\$463,000.00

FY 2020 Projects Summary:

A total of seventeen (17) projects were allocated funds in FY 2020. Two (2) of these projects are still in progress; thirteen (13) projects have been completed; and two (2) project returned monies to the Fund. As part of this report, two projects with awarded funding in the amount of \$228,779.77 will be moved to FY2023, of which \$23,078.64 is for projects and \$205,701.13 is for remote monitoring equipment. Detailed information on the status of FY 2020 projects is in Appendix VI.

FY 2020 Allocations:	\$865,250.00
FY 2020 Reallocations:	\$33,043.52
Payments from FY 2020 Allocations:	(\$602,627.82)
<u>FY 2020 Allocations Returned to Fund:</u>	<u>(\$66,885.93)</u>
FY 2020 Remaining Obligations:	\$228,779.77

FY 2019 Projects Summary:

A total of twenty (21) projects were allocated funds in FY 2019. Two (2) of these projects are still in progress; eighteen (18) projects have been completed; and one (1) project returned monies to the Fund. As part of this report, two projects with awarded funding in the amount of \$13,000 will be moved to FY2023. Detailed information on the status of FY 2019 projects is in Appendix VII.

FY 2019 Allocations:	\$523,377.00
FY 2019 Reallocations:	\$265,405.00
Contingency Funds:	\$2,510.00
Payments from FY 2019 Allocations:	(\$666,598.44)
<u>FY 2019 Allocations Returned to Fund:</u>	<u>(\$111,693.56)</u>
FY 2019 Remaining Obligations:	\$13,000.00

FY 2018 Projects Summary:

A total of twenty-five (25) projects were allocated funds in FY 2018. Two (2) of these projects are still in progress; fourteen (14) projects have been completed; and nine (9) projects returned monies to the Fund. As part of this report, two projects with awarded funding in the amount of \$7,500 will be moved to FY2023. Detailed information on the status of FY 2018 projects is in Appendix VIII.

FY 2018 Allocations:	\$553,973.00
FY 2018 Reallocations:	\$3,000.00
Payments from FY 2018 Allocations:	(\$275,747.20)
<u>FY 2018 Allocations Returned to Fund:</u>	<u>(\$273,725.80)</u>
FY 2018 Remaining Obligations:	\$7,500.00

FY 2017 Projects Summary:

A total of thirty-one (31) projects were allocated funds in FY 2017. Twenty-three (23) projects have been completed; and eight (8) projects returned monies to the Fund. Detailed information on the status of FY 2017 projects is in Appendix IX.

FY 2017 Allocations:	\$498,938.00
Payments from FY 2017 Allocations:	(\$282,284.50)
<u>FY 2017 Allocations Returned to Fund:</u>	<u>(\$216,653.50)</u>
FY 2017 Remaining Obligations:	\$0.00

Account Summary:

The account information and proposed allocations for FY 2023 are as follows:

FY 2022 Ending Balance:	\$1,979,023.00
<u>FY 2023 Appropriations:</u>	<u>\$900,000.00</u>
FY 2022 Starting Balance:	\$2,879,023.00

**Includes accrued interest from FY2022*

FY 2023 Starting Balance:	\$2,879,023.00
FY 2023 Contingency Funds:	(\$165,005.23)
FY 2023 Emergency Funds:	(\$50,000.00)
Pending Project Disbursements:	(\$27,884.50)
FY 2022 Remaining Obligations:	(\$753,050.50)
FY 2021 Remaining Obligations:	(\$463,000.00)
FY 2020 Remaining Obligations:	(\$228,779.77)
FY 2019 Remaining Obligations:	(\$13,000.00)
FY 2018 Remaining Obligations:	(\$7,500.00)
<u>FY 2017 Remaining Obligations:</u>	<u>(\$0.00)</u>
FY 2023 Project Allocations:	\$1,170,803.00

FY 2022 Unfunded Request:	\$1,127,000.00
FY 2023 New Requests:	\$338,478.00
<u>FY 2023 Remote Monitoring Funds:</u>	<u>\$400,000.00</u>
FY 2023 Total Project Requests:	\$1,865,478.00
FY 2023 Total Project Requests:	\$1,865,478.00
<u>FY 2023 Project Recommendations:</u>	<u>(\$1,170,803.00)</u>
FY 2023 Unfunded Project Requests:	\$694,675.00
FY 2023 Project Allocations:	<u>\$1,170,803.00</u>
<u>FY 2023 Project Recommendations:</u>	<u>(\$1,170,803.00)</u>
FY 2023 Unobligated Funds:	\$0.00

APPENDIX I
FY 2022
PROJECT PRIORITIZATION

Introduction:

Each project was prioritized using a scoring system and assigned a numerical final score. The scoring system considers the hazard class of the dam, the project type, specific project features, and project need in determining the final score.

The projects are sorted based on the final score and then assigned a project tracking ID number. Refer to the Project Prioritization Table for the results of this process.

Table 1 – FY 2023 Project Prioritization

ID	SWCD	Inv#	Hazard Class	Dam Name	Project Description	HCP	PTP	AP	Base Score	NEM	Final Score
23-0	DCR	-	-	-	Remote Monitoring Project	-	-	-	-	-	-
21-05	Piedmont	147001	Significant	Buffalo Creek 1	Wave Berm, Graded Filter, Auxiliary Spillway Tile Drain Project	4	40	10	54	1.0	54
21-06	Piedmont	147002	Significant	Buffalo Creek 3	Wave Berm Project	4	40	10	54	1.0	54
21-07	Piedmont	147007	Significant	Buffalo Creek 5	Training Dike Improvements and Road Access Relocation	4	20	10	34	1.0	34
21-09	Piedmont	147034	High	Bush River 2	Wave Berm; Auxiliary Spillway Storm Damage Repair; Gate Valve Repair Project	8	40	10	58	1.0	58
21-10	Piedmont	147039	Low	Bush River 5	Wave Berm Project	2	40	10	52	1.0	52
21-14	Southside	037008	High	Roanoke Creek 62	Wave Berm and Access Road Relocation Project	8	40	10	58	1.0	58
21-15	Southside	037003	Low	Roanoke Creek 35A	Wave Berm and Storm Damage Repair Project	2	40	10	52	1.5	78
23-01	Piedmont	147008	Significant	Buffalo Creek 6	Wave Berm Project	4	40	10	54	1.0	54
23-02	Blue Ridge	89005	High	Leatherwood 2A	Graded Filter Project	8	40	5	53	1.0	53
23-03	Blue Ridge	89007	High	Leatherwood 6	Graded Filter Project	8	40	5	53	1.0	53
23-04	Culpeper	113009	Low	Beautiful Run #1B	Wave Berm and Gate Valve Project	2	40	10	52	1.0	52
23-05	Headwaters	15005	High	Upper North River 10	Emergency Spillway Tree Removal	8	20	0	28	1.0	28
23-06	Peter Francisco	29006	High	Willis River 5F	Gate Valve and Debris Removal Project	8	20	10	38	1.0	38
23-07	Peter Francisco	29033	Significant	Slate River 14	Access Road	4	5	10	19	1.0	19
23-08	Peter Francisco	29012	High	Muddy Creek 2	Access Road	8	5	10	23	1.0	23

Prioritization Score Legend:

HCP = Hazard Class Points

PTP = Project Type Points

AP= Additional Points

Base Score = HCP + PTP + AP

NEM = Need Evaluation Multiplier

Final Score = Base Score * NE

Prioritization Scoring System:

Hazard Class Point Values

- High = **8 points**
- Significant = **4 points**
- Low = **2 Points**
- Low/Special = **0 Points**

Project Type Point Values

A Type I project is a repair to the dam needed for safe operation and maintenance during normal operating conditions. Type I projects will receive **40 points**. Examples of Type I projects are wave berm reconstructions and graded filter drains.

A Type II project is a repair to the dam needed for safe operation during rare or extreme operating conditions. Type II projects will receive **20 points**. Examples of Type II projects are training dike repair, concrete riser work, trash rack replacement, gate valve replacement, and stilling basin reconstruction.

A Type III project is a repair to the dam that is not classified as a Type I or Type II project but is within the dam footprint. Type III projects will receive **10 points**. Examples of Type III projects are gate valve repair, buffer tree removal, debris removal, and vegetation management.

A Type IV project is defined as work conducted outside of the dam footprint and appurtenant structures but is still related to the operation and maintenance of the dam. Type IV projects will receive **5 points**. An example of a Type IV project is access road improvement.

Project Additional Point Values

If a project contains more than one task for a single dam, the project will receive **5 points**. An example is a project request for buffer tree removal and stilling basin reconstruction at a single dam.

If a project contains a task that is also needed on additional dams in close proximity, then the project will receive **5 points**. An example is a gate valve replacement project on four dams.

If an Engineering Design has been prepared for the project, then the project will receive **10 points**.

Project Need Evaluation Multiplier

Certificate Need – x2 Multiplier

A certificate need project is defined as a condition that must be addressed in order to obtain a Regular Operation and Maintenance Certificate from the Division of Dam Safety.

Priority Need – x1.5 Multiplier

A priority need project is defined as a condition that if not addressed in a timely manner has the potential to endanger the structural integrity of the dam and/or downstream life or property.

Normal Need– x1 Multiplier

A normal need project is any project request not classified as urgent need or certificate need.

APPENDIX II
FY 2023
PROJECT EVALUATIONS AND RECOMMENDATIONS

Introduction:

A recommendation for project funding is based on an evaluation of the project. The evaluation takes into consideration the prioritization score, project scope and need, available funding, and the SWCD's ability to complete the project if awarded funding.

The following summary table contains project information, requested funding amounts, and recommend funding amounts for all fifteen (15) projects considered for funding in FY 2023. Project evaluations with recommendations are located after the summary table. Additionally, funds have been allocated for the purchase and installation of remote monitoring equipment in the amount of \$400,000.

Table 2 – FY 2023 FUNDING REQUESTS AND RECOMMENDATIONS

ID	SWCD	Inv#	Hazard Class	Dam Name	Score	Project Description	Engineering	Construction	Total	Recommend Funding Amount
22-04	DCR	-	-	-	-	Remote Monitoring Project	\$ -	\$ 400,000.00	\$ 400,000.00	\$400,000.00
21-05	Piedmont	147001	Significant	Buffalo Creek 1	54	Wave Berm, Graded Filter, Auxiliary Spillway Tile Drain Project	\$ -	\$ 165,000.00	\$ 165,000.00	\$0.00
21-06	Piedmont	147002	Significant	Buffalo Creek 3	54	Wave Berm Project	\$ -	\$ 93,000.00	\$ 93,000.00	\$0.00
21-07	Piedmont	147007	Significant	Buffalo Creek 5	34	Training Dike Improvements and Road Access Relocation	\$ -	\$ 87,000.00	\$ 87,000.00	\$0.00
21-09	Piedmont	147034	High	Bush River 2	58	Wave Berm; Auxiliary Spillway Storm Damage Repair; Gate Valve Repair Project	\$ -	\$ 145,000.00	\$ 145,000.00	\$145,000.00
21-10	Piedmont	147039	Low	Bush River 5	52	Wave Berm Project	\$ -	\$ 102,000.00	\$ 102,000.00	\$0.00
21-14	Southside	03708	High	Roanoke Creek 62	58	Wave Berm and Access Road Relocation Project	\$ -	\$ 185,000.00	\$ 185,000.00	\$0.00
21-15	Southside	03703	Low	Roanoke Creek 35A	78	Wave Berm and Storm Damage Repair Project	\$ -	\$ 350,000.00	\$ 350,000.00	\$350,000.00
23-01	Piedmont	147008	Significant	Buffalo Creek 6	54	Wave Berm Project	\$ -	\$ 107,000.00	\$ 107,000.00	\$0.00
23-02	Blue Ridge	89005	High	Leatherwood 2A	53	Graded Filter Project	\$ 13,350.00	\$ -	\$ 13,350.00	\$13,350.00
23-03	Blue Ridge	89007	High	Leatherwood 6	53	Graded Filter Project	\$ 18,400.00	\$ -	\$ 18,400.00	\$18,400.00
23-04	Culpeper	113009	Low	Beautiful Run #1B	52	Wave Berm and Gate Valve Project	\$ -	\$ 165,000.00	\$ 165,000.00	\$165,000.00
23-05	Headwaters	15005	High	Upper North River 10	28	Emergency Spillway Tree Removal	\$ -	\$ 17,500.00	\$ 17,500.00	\$17,500.00
23-06	Peter Francisco	29006	High	Willis River 5F	38	Gate Valve and Debris Removal Project	\$ -	\$ 3,803.00	\$ 3,803.00	\$3,803.00
23-07	Peter Francisco	29033	Significant	Slate River 14	19	Access Road	\$ -	\$ 8,500.00	\$ 8,500.00	\$8,500.00
23-08	Peter Francisco	29012	High	Muddy Creek 2	23	Access Road	\$ -	\$ 4,925.00	\$ 4,925.00	\$49,250.00
									Total Funding Recommendation:	\$1,170,803.00

EVALUATIONS AND RECOMMENDATIONS:

ID#21-05 - INV#147001 – Buffalo Creek #1 – Significant Hazard – Piedmont SWCD

Piedmont SWCD requested funding for a wave berm, graded filter, and emergency spillway tile drain project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$165,000 for construction.

Funding for this project is **not recommended** at this time. This recommendation will allow the SWCD to focus on project #ID21-09 – Bush River 2 that was recommended for funding in FY2023.

ID#21-06 - INV#147002 – Buffalo Creek #3 – Significant Hazard – Piedmont SWCD

Piedmont SWCD requested funding for a wave berm project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$93,000 for construction.

Funding for this project is **not recommended** at this time. This recommendation will allow the SWCD to focus on project #ID21-09 – Bush River 2 that was recommended for funding in FY2023.

ID#21-07 - INV#147007 – Buffalo Creek #5 – Significant Hazard – Piedmont SWCD

Piedmont SWCD requested funding for a training dike improvement and road access relocation project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$87,000 for construction.

Funding for this project is **not recommended** at this time. This recommendation will allow the SWCD to focus on project #ID21-09 – Bush River 2 that was recommended for funding in FY2023.

ID#21-09 - INV#147034 – Bush River #2 – High Hazard – Piedmont SWCD

Piedmont SWCD requested funding for a wave berm, emergency spillway storm damage repair, and gate valve repair project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$145,000 for construction.

Funding for this project is **recommended** in the amount of **\$145,000.00** for construction.

The SWCD has requested that the remaining funds from ID#21-09 be authorized for use towards ID#21-10 Bush River #5 (INV#147039) wave berm project. It is anticipated that the

funds remaining from this project (ID#21-09) and SDR22004 will be sufficient to fund project ID#21-10. The District Dam Engineer supports this request and recommends that the remaining funds be authorized for use towards ID#21-10.

ID#21-10 - INV#147039 – Bush River #5 – Low Hazard – Piedmont SWCD

Piedmont SWCD requested funding for a wave berm project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$102,000 for construction.

The SWCD has requested that the remaining funds from ID#21-09 be authorized for use towards ID#21-10 Bush River #5 (INV#147039) wave berm project. It is anticipated that the funds remaining from this project (ID#21-09) and SDR22004 will be sufficient to fund project ID#21-10. The District Dam Engineer supports this request and recommends that the remaining funds be authorized for use towards ID#21-10.

ID#21-14 - INV#037008 – Roanoke Creek #62 – High Hazard – Southside SWCD

Southside SWCD requested funding for a wave berm and road relocation project. The project scope and need is supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$185,000 for construction.

Funding for this project is **not recommended** at this time. This recommendation will allow the SWCD to focus on project #ID21-15 – Roanoke Creek #35A that was recommended for funding in FY2023.

ID#21-15 - INV#037003 – Roanoke Creek #35A – Low Hazard – Southside SWCD

Southside SWCD requested funding for a wave berm and storm damage repair project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$350,000 for construction.

Funding for this project is **recommended** in the amount of **\$350,000.00** for construction.

ID#23-01 - INV#147008 – Buffalo Creek 6 – Significant Hazard – Piedmont SWCD

Piedmont SWCD requested funding for a wave berm project. The project scope and need is supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$107,000 for construction.

Funding for this project is **not recommended** at this time. This recommendation will allow the SWCD to focus on project #ID21-09 – Bush River 2 that was recommended for funding in FY2023.

ID#23-02 - INV#089005 – Leatherwood Creek 2A – High Hazard – Blue Ridge SWCD

Blue Ridge SWCD requested funding for a graded filter project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$13,350 for engineering design.

Funding for this project is **recommended** in the amount of **\$13,350** for engineering design.

ID#23-03 - INV#089007 – Leatherwood Creek 6 – High Hazard – Blue Ridge SWCD

Blue Ridge SWCD requested funding for a graded filter and surface water management project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$18,400 for engineering design.

Funding for this project is **recommended** in the amount of **\$18,400** for engineering design.

ID#23-04 INV#113009–Beautiful Run #1B – Low Hazard – Culpeper SWCD

Culpeper SWCD requested funding for wave berm construction costs. Funding for this project has been requested in the amount of \$165,000 for construction. The funding request supersedes the previous request ID#20-10.

This project has previously received funding for the design under SDR19005. The engineering design for this project has been completed.

Funding for this project is **recommended** in the amount of **\$165,000** for construction.

ID#23-05 - INV#015005– Upper North River 10 – High Hazard – Headwaters SWCD

Headwaters SWCD requested funding for a tree removal at the entrance of the emergency spillway project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$18,400 for construction.

Funding for this project is **recommended** in the amount of **\$18,400** for construction.

ID#23-06 - INV#029006 – Willis River 5F – High Hazard – Peter Francisco SWCD

Peter Francisco SWCD requested funding for a debris removal and gate valve repair project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$3,803.00 for construction.

Funding for this project is **recommended** in the amount of **\$3,803.00** for construction.

ID#23-07 - INV#029033 – Slate River 14 – Significant Hazard – Peter Francisco SWCD

Peter Francisco SWCD requested funding for access road improvement project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$8,500.00 for construction.

The engineering design for this project has been completed.

Funding for this project is **recommended** in the amount of **\$8,500.00** for construction.

ID#23-08 - INV#029012– Muddy Creek 2 – High Hazard – Peter Francisco SWCD

Peter Francisco SWCD requested funding for access road improvement project. The project scope and need are supported by a site visit conducted by the District Dam Engineer. Funding for this project has been requested in the amount of \$4,925.00 for construction.

Funding for this project is **recommended** in the amount of **\$4,925.00** for construction.

ID#23-09 – DCR – Remote Monitoring Project

Refer to Appendix III for additional information on this project.

APPENDIX III
Remote Monitoring Project

Remote Monitoring Project

Project Funding

The Remote monitoring project has received funding in FY2020, FY2021, FY2022, and FY2023. As part of this report, all funding for this project will be consolidated under FY2023.

Phase 1

A total of eighteen (18) RX2100 data loggers were purchased in May 2020 at a total cost of \$21,246. The units were allocated to six (6) SWCDs for installation.

SWCD	#Units	Equipment Cost	Installation Cost	Total Cost	Average Cost per Unit	Project Status
Blue Ridge	4	\$4,721.35	\$5,200.00	\$9,921.35	\$2,480	Installed
Culpeper	3	\$3,541.00	\$17,113.98	\$20,654.98	\$6,885	Installed
Headwaters	1	\$1,180.30	\$2,000	\$1,180.30	\$2,000	Installed
Mountain Castles	2	\$2,360.65	\$8,000	\$10,360.65	\$5,180	Installed
Piedmont	4	\$4,721.35	\$11,344.78	\$16,066.13	\$4,016	Installed
Thomas Jefferson	4	\$4,721.35	\$24,075.36	\$28,796.71	\$7,199	Installed

Notes:

1. Headwaters SWCD installed the unit using SWCD staff. The SWCD will be reimbursed for material costs upon request.

Phase 2

A total of sixty (60) RX2100 data loggers were purchased in September 2021 at a total cost of \$101,754.75.

Each SWCD will be responsible for the installation of the remote monitoring equipment. Installation will include buried conduit with pull boxes, conduit in the permanent pool area, and a mounting pole on the crest of the dam. All installation costs will be reimbursed through the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund.

The District Dam Engineer will assist in the set-up and configuration of the system and training will be provided to SWCD staff on how to use and maintain the system.

It is anticipated that all units will be installed and operational during FY2023.

SWCD	#Units	Equipment Cost	Installation Cost	Total Cost	Average Cost per Unit	Project Status
Blue Ridge	3	\$5,035.50	Pending	Pending	Pending	Equipment Delivered to SWCD
Culpeper	3	\$5,004.00	Pending	Pending	Pending	Equipment Delivered to SWCD
Hanover-Caroline	1	\$1,657.50	Pending	Pending	Pending	Equipment Purchased
Headwaters	8	\$13,752.00	Pending	Pending	Pending	Equipment Delivered to SWCD
Lord Fairfax	2	\$3,468.00	Pending	Pending	Pending	Equipment Delivered to SWCD
Mountain Castles	1	\$1,689.00	Pending	Pending	Pending	Equipment Delivered to SWCD
Piedmont	9	\$15,231.00	Pending	Pending	Pending	Equipment Delivered to SWCD
Peter Francisco	13	\$21,987.00	Pending	Pending	Pending	Equipment Delivered to SWCD
Shenandoah Valley	2	\$3,561.75	Pending	Pending	Pending	Equipment Delivered to SWCD
Southside	11	\$18,579.00	Pending	Pending	Pending	Equipment Delivered to SWCD
Thomas Jefferson	4	\$6,693.00	Pending	Pending	Pending	Equipment Delivered to SWCD
Robert E Lee	3	\$5,097.00	Pending	Pending	Pending	Equipment Purchased

Future Deployment

The District Dam Engineer has been working with AMCI Wireless on a remote monitoring solution using satellite data communication. The AMCI Wireless systems are currently being used by the U.S. Forest Service.

The remote monitoring program will also expand to include ten (10) low hazard dams.

Service Plan

Each unit requires an annual service plan. Project funding will be used to renew the plans for units already purchased.

Project Funding was used to extend the service plans for another year for a total amount of **\$4,250.00.**

APPENDIX IV
FY 2022
Project Status

FY 2022 Projects Status:

A total of seven (7) projects were allocated funds in FY 2022. Four (4) of these projects are still in progress and three (3) projects have been completed.

As part of this report, the remote monitoring equipment project with project funding amount of \$400,000 will be moved to FY 2023.

FY 2022 Allocations:	\$1,115,350.50
FY 2022 Reallocations:	\$30,000.00
Payments from FY 2022 Allocations:	(\$258,531.10)
<u>FY 2022 Allocations Returned to Fund:</u>	<u>(\$133,768.90)</u>
FY 2022 Remaining Obligations:	\$753,050.50

FY 2022 Projects List:

SDR22001 - ID#20-12 - INV#113004–Beautiful Run #5 – Low Hazard – Culpeper SWCD
Project Status: Completed FY 2022

SDR22002 - ID#20-13 - INV#113005–Beautiful Run #6 – Low Hazard – Culpeper SWCD
Project Status: Completed FY 2022

SDR22003 - ID#22-01 – INV#113002 – Beautiful Run 2A – High Hazard – Culpeper SWCD
Project Status: In Progress

Culpeper SWCD requested additional funding for a wave berm project. The project has already received funding on SDR21002.

Funding for this project was approved in the amount of \$74,000 for construction.

Construction work has been completed. The SWCD is in the process of completing as-built drawings. It is anticipated that the SWCD will submit a final payment request by December 2022.

SDR22004 - ID#21-11 - INV#147036 – Bush River #7 – High Hazard – Piedmont SWCD
Project Status: In Progress

Piedmont SWCD requested funding for emergency spillway storm damage repair and gate valve repair project. The project scope and need are supported by a site visit conducted by the District Dam Engineer.

Funding for this project was approved in the amount of \$132,000 for construction.

Construction work has been completed. The SWCD is in the process of completing asbuilt drawings. It is anticipated that the SWCD will submit a final payment request by December 2022.

The SWCD has requested that the remaining funds from ID#21-09 be authorized for use towards ID#21-10 Bush River #5 (INV#147039) wave berm project. It is anticipated that the funds remaining from this project (ID#21-09) and SDR22004 will be sufficient to fund project ID#21-10. The District Dam Engineer supports this request and recommends that the remaining funds be authorized for use towards ID#21-10.

SDR22005 - ID#22-03 – INV#029019 – Willis River 2 – High Hazard Dam – Peter Francisco
SWCD
Project Status: Completed FY 2022

SR22006- ID#22-02 – INV#085002 – South Anna River 52B – Significant Hazard –
Hanover/Caroline SWCD
Project Status: In Progress

Hanover/Caroline SWCD requested funding for a wave berm project. Funding for this project has been requested in the amount of \$117,050.50 for construction. The engineering design for this project has been completed.

Funding for this project is recommended in the amount of \$117,050.50 for construction.

Construction work has started. It is anticipated that the SWCD will submit a final payment request by December 2022.

SDR22007 - ID#22-04 – DCR – Remote Monitoring Project

Refer to Appendix III for additional information on this project.

As part of this report, this project and associated approved funding will be moved to FY 2023.

APPENDIX V
FY 2021
Project Status

FY 2021 Projects Status:

A total of twelve (12) projects were allocated funds in FY 2021. Three (3) of these projects are still in progress; eight (8) projects have been completed; and one (1) project returned monies to the Fund. As part of this report, two projects with awarded funding in the amount of \$463,000 will be moved to FY 2023, of which \$63,000 is for projects and \$400,000 is for remote monitoring equipment.

FY 2021 Allocations:	\$1,043,675.00
FY 2021 Reallocations:	\$44,399.00
Payments from FY 2021 Allocations:	(\$412,868.30)
<u>FY 2021 Allocations Returned to Fund:</u>	<u>(\$212,205.70)</u>
FY 2021 Remaining Obligations:	\$463,000.00

FY 2021 Projects List:

SDR21001 - ID#21-01 - INV#089006 – Leatherwood Dam #4 – High Hazard – Blue Ridge SWCD
Project Status: Completed in FY 2022

SDR21002 - ID#19-03 - INV#113002– Beautiful Run #2A – High Hazard – Culpeper SWCD
Project Status: In Progress

Culpeper SWCD requested funding for wave berm construction costs. This project has previously received funding for the design under SDR19002. The engineering design has been completed. Funding for this project was approved in the amount of \$66,000 for construction.

An initial draw down of funds in the amount of \$33,000 was approved on February 10, 2021. A supplemental funding request for FY2022 was award under SDR22003 in the amount of \$104,000.00.

As part of this report, this project and associated approved funding will be moved to FY2023 and consolidated with SDR22003.

SDR21003 - ID#20-09 - INV#113003–Beautiful Run #4 – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2022

SDR21004 - ID#20-14- INV#113006–Beautiful Run #7 – Significant Hazard – Culpeper SWCD
Project Status: Completed FY 2022

SDR21005 - ID#20-15 - INV#113007–Beautiful Run #10 – Low Hazard – Culpeper SWCD
Project Status: Completed FY2022

SDR21006 - ID#21-02 - INV#085002 –South Anna #52B – Significant Hazard – Hanover-Caroline SWCD
Project Status: Completed in FY 2022

SDR21007 - ID#21-03 - INV#015009 – South River #6 – High Hazard – Headwaters SWCD
Project Status: Completed in FY 2021

SDR21008 - ID#21-04 - INV#045001 – Johns Creek #2 – High Hazard – Mountain Castles SWCD
Project Status: In Progress

Mountain Castles SWCD requested funding for an emergency spillway stabilization project.
Funding for this project was approved in the amount of \$30,000 for construction.

As part of this report, this project and associated approved funding will be moved to FY 2023.

SDR21009 - ID#21-08 - INV#147008 – Buffalo Creek #6 – Significant Hazard – Piedmont SWCD
Project Status: Returned to Fund in FY 2022

SDR21010 - ID#21-12 - INV#165001– Lower North River #80 – High Hazard – Shenandoah Valley
SWCD
Project Status: Returned to Fund FY 2023

SDR21011 - ID#21-13 - INV#037012 – Roanoke Creek #31B – High Hazard – Southside SWCD
Project Status: Completed in FY2021

SDR21012 - ID#21-16 – DCR – Remote Monitoring Project
Project Status: In Progress

Refer to Appendix III for additional information on this project.

As part of this report, this project and associated approved funding will be moved to FY 2023.

APPENDIX VI
FY 2020
Project Status

FY 2020 Projects Status:

A total of seventeen (17) projects were allocated funds in FY 2020. Two (2) of these projects are still in progress; thirteen (13) projects have been completed; and two (2) project returned monies to the Fund. As part of this report, two projects with awarded funding in the amount of \$228,779.77 will be moved to FY 2023, of which \$23,078.64 is for projects and \$205,701.13 is for remote monitoring equipment.

FY 2020 Allocations:	\$865,250.00
FY 2020 Reallocations:	\$33,043.52
Payments from FY 2020 Allocations:	(\$602,627.82)
<u>FY 2020 Allocations Returned to Fund:</u>	<u>(\$66,885.93)</u>
FY 2020 Remaining Obligations:	\$228,779.77

FY 2020 Projects List:

SDR20001 - ID#20-11 - INV#113003–Beautiful Run #4 – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2022

SDR20002 - ID#20-12 - INV#113004–Beautiful Run #5 – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2021

SDR20003 - ID#20-13 - INV#113005–Beautiful Run #6 – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2021

SDR20004 - ID#20-14- INV#113006–Beautiful Run #7 – Significant Hazard – Culpeper SWCD
Project Status: Completed in FY 2021

SDR20005 - ID#20-15 - INV#113007–Beautiful Run #10 – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2021

SDR20006 - ID#20-16 - INV#113008–Beautiful Run #11 – Significant Hazard – Culpeper SWCD
Project Status: Completed in FY 2022

SDR20007 - ID#17-02 - INV#01502 – South River Dam #25 – High Hazard – Headwaters SWCD
Project Status: Returned to Fund in FY 2020

SDR20008 - ID#18-11 - INV#015001– South River Dam #26 – High Hazard – Headwaters SWCD
Project Status: In Progress

Headwaters SWCD requested funding for a wave berm reconstruction project. Funding for this project was approved in the amount of \$15,000 for construction. Funding in the amount of \$8,078.64 was transferred to this project from SDR21007. Total project budget for this project is \$23,078.64.

The SWCD is in the bidding process for this project.

As part of this report, this project and associated approved funding will be moved to FY2023.

SDR20009 - ID#20-17- INV#147040 – Bush River 6 – Significant Hazard – Piedmont SWCD
Project Status: Returned to Fund in FY 2023

SDR20010 - ID#20-01 - INV#165001– Lower North River #80 – High Hazard – Shenandoah Valley SWCD
Project Status: Completed in FY 2021

SDR20011 - ID#20-02 - INV#165002– Lower North River #78 – High Hazard – Shenandoah Valley SWCD
Project Status: Completed in FY 2021

SDR20012 - ID#20-03 - INV#165003– Lower North River #83 – High Hazard – Shenandoah Valley SWCD
Project Status: Completed in FY 2021

SDR20013 - ID#20-04 - INV#165004– Lower North River #22B – High Hazard – Shenandoah Valley SWCD
Project Status: Completed in FY 2021

SDR20014 - ID#20-05 - INV#165007– Lower North River #82 – High Hazard – Shenandoah Valley SWCD
Project Status: Completed in FY 2021

SDR20015 - ID#20-06 - INV#165010– Shoemaker River #4C – High Hazard – Shenandoah Valley SWCD
Project Status: Completed in FY 2021

SDR20016 - ID#20-07 - INV#165011– Shoemaker River #3B – High Hazard – Shenandoah Valley SWCD
Project Status: Completed in FY 2021

SDR20017 - ID#20-18 – DCR – Remote Monitoring Project
Project Status: In Progress

This project received funding during the 2019 General Assembly session. Refer to Appendix III for additional information on this project.

As part of this report, this project and associated approved funding will be moved to FY2023.

APPENDIX VII
FY 2019
Project Status

FY 2019 Projects Status:

A total of twenty (21) projects were allocated funds in FY 2019. Two (2) of these projects are still in progress; Eighteen (18) projects have been completed; and one (1) project returned monies to the Fund. As part of this report, two projects with awarded funding in the amount of \$13,000 will be moved to FY2023.

FY 2019 Allocations:	\$523,377.00
FY 2019 Reallocations:	\$265,405.00
Contingency Funds:	\$2,510.00
Payments from FY 2019 Allocations:	(\$666,598.44)
FY 2019 Allocations Returned to Fund:	(\$111,693.56)
FY 2019 Remaining Obligations:	\$13,000.00

FY 2019 Projects List:

SDR19001 ID#19-01 - INV#047005– Mountain Run #13 – High Hazard – Culpeper SWCD
Project Status: Completed in FY 2020

SDR19002 - ID#19-02 - INV#113002– Beautiful Run #2A – High Hazard – Culpeper SWCD
Project Status: Completed in FY 2019

SDR19003 - ID#19-04 - INV#113004– Beautiful Run #5 – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2020

SDR19004 - ID#19-05 - INV#113008– Beautiful Run #11 – Significant Hazard – Culpeper SWCD
Project Status: Completed in FY 2019

SDR19005 - ID#19-06 - INV#113009– Beautiful Run #1B – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2020

SDR19006 ID#19-07 - INV#047001– Mountain Run #8A– Significant Hazard – Culpeper SWCD
Project Status: Completed in FY 2021

SDR19007 - ID#19-08 - INV#015001– South River Dam #26 – High Hazard – Headwaters SWCD
Project Status: Completed in FY 2021

SDR19008 - ID#19-09 - INV#147006– Buffalo Creek #2 – Significant Hazard – Piedmont SWCD
Project Status: Completed in FY 2021

SDR19009 - ID#19-10 - INV#147001– Buffalo Creek #9 – Significant Hazard – Piedmont SWCD
Project Status: Completed in FY 2021

SDR19010 - ID#19-11 - INV#147039– Bush River #5 – Low Hazard – Piedmont SWCD
Project Status: Completed in FY 2023

SDR19011 - ID#19-12 - INV#147036– Bush River #7 – High Hazard – Piedmont SWCD
Project Status: Completed in FY 2023

SDR19012 - ID#19-13 - INV#147039– Bush River #5 – Low Hazard – Piedmont SWCD
Project Status: Completed in FY 2023

SDR19013 - ID#19-14 - INV#147034– Bush River #2 – High Hazard – Piedmont SWCD
Project Status: Complete in FY 2023

SDR19014 - ID#19-15 - INV#165007– Lower North River #82 – High Hazard – Shenandoah Valley SWCD
Project Status: In Progress

Shenandoah Valley SWCD requested funding to replace the transmitter on the IFLOWS System. Funding for this project was approved in the amount of \$6,500.

The SWCD is currently working with a vendor to make the IFLOWS system operable. Contractor ordered and installed the incorrect transducer. The SWCD is working with contractor to obtain correct part.

As part of this report, this project and associated approved funding will be moved to FY2023.

SDR19015 - ID#19-16 - INV#165003– Lower North River #83 – High Hazard – Shenandoah Valley SWCD
Project Status: In Progress

Shenandoah Valley SWCD requested funding to replace the transmitter on the IFLOWS System. Funding for this project was approved in the amount of \$6,500.

The SWCD is currently working with a vendor to make the IFLOWS system operable. Contractor ordered and installed the incorrect transducer. The SWCD is working with contractor to obtain the correct part.

As part of this report, this project and associated approved funding will be moved to FY2023.

SDR19016 - ID#18-01 - ID#19-17 - INV#037009 – Roanoke Creek #67 – High Hazard – Southside SWCD
Project Status: Complete in FY 2021

SDR19017 - ID#19-18 – Multiple Dams – Southside SWCD
Project Status: Complete in FY 2021

SDR19018 - ID#19-19 - INV#037003– Roanoke Creek #35A – Low Hazard – Southside SWCD
Project Status: Completed in FY 2023

SDR19019 - ID#19-20- INV#037004 – Roanoke Creek #68 – High Hazard – Southside SWCD
Project Status: Completed in FY 2021

SDR19020 - ID#19-21 - INV#109031– South Anna #23 – High Hazard – Thomas Jefferson SWCD
Project Status: Completed in FY 2020

SDR19021 – INV#011004– East Fork Falling River #21 – Significant Hazard – Robert E. Lee
SWCD
Project Status: Returned to Fund in FY 2020

APPENDIX VIII
FY 2018
Project Status

FY 2018 Projects Status:

A total of twenty-five (25) projects were allocated funds in FY 2018. Two (2) of these projects are still in progress; fourteen (14) projects have been completed; and nine (9) projects returned monies to the Fund. As part of this report, two projects with awarded funding in the amount of \$7,500 will be moved to FY2023.

FY 2018 Allocations:	\$553,973.00
FY 2018 Reallocations:	\$3,000.00
Payments from FY 2018 Allocations:	(\$275,747.20)
<u>FY 2018 Allocations Returned to Fund</u>	<u>(\$273,725.80)</u>
FY 2018 Remaining Obligations:	\$7,500.00

FY 2018 Projects List:

SDR18001 - ID#18-01 - INV#089008– Marrowbone Creek #1 – High Hazard – Blue Ridge SWCD
Project Status: Completed in FY 2018

SDR18002 - ID#18-02– 11 Dams — Culpeper SWCD
Project Status: Completed in FY 2019

SDR18003 - ID#18-15 - INV#113002– Beautiful Run Dam #2A – High Hazard – Culpeper SWCD
Project Status: Returned to Fund in FY 2019

SDR18004 - ID#18-04 - INV#113004– Beautiful Run Dam #5 – Low Hazard – Culpeper SWCD
Project Status: Returned to Fund in FY 2019

SDR18005 - ID#18-06 - INV#11308 – Beautiful Run Dam #11 – Significant Hazard – Culpeper SWCD
Project Status: Completed in FY 2019

SDR18006 - ID#18-12 - INV#113009 – Beautiful Run Dam #1B – Low Hazard – Culpeper SWCD
Project Status: Returned to Fund in FY 2019

SDR18007 - ID#18-13 - INV#047001– Mountain Run Dam #8A – Significant Hazard – Culpeper SWCD
Project Status: Completed in FY 2020

SDR18008 - ID#17-40 - INV#047001 – Mountain Run Dam #8A – Significant Hazard – Culpeper SWCD
Project Status: In Progress

Culpeper SWCD requested funding to patch the concrete riser. Funding for this project was awarded in the amount of \$5,000 for construction.

The SWCD is currently working to procure a contractor to perform this work.

As part of this report, this project and associated approved funding will be moved to FY2023.

SDR18009 - ID#18-18 - INV#047005 – Mountain Run Dam #13 – High Hazard – Culpeper SWCD
Project Status: Returned to Fund in FY 2019

SDR18010 - ID#18-19 - INV#047005 – Mountain Run Dam #13 – High Hazard – Culpeper SWCD
Project Status: In Progress

Culpeper SWCD requested funding to patch the concrete riser. Funding for this project was awarded in the amount of \$2,500 for construction.

The SWCD is currently working to procure a contractor to perform this work.

As part of this report, this project and associated approved funding will be moved to FY2023.

SDR18011 - ID#18-14 - INV#015001 – South River Dam #26 – High Hazard – Headwaters SWCD
Project Status: Returned to Fund in FY 2019

SDR18012 - ID#17-04 - INV#02901 – Willis River Dam #1A – High Hazard – Peter Francisco SWCD
Project Status: Completed in FY 2019

SDR18013 - ID#17-05 - INV#02902 – Willis River Dam #1B – High Hazard – Peter Francisco SWCD
Project Status: Completed in FY 2019

SDR18014 - ID#17-06 - INV#02906 – Willis River Dam #5F – High Hazard – Peter Francisco SWCD
Project Status: Completed in FY 2019

SDR18015 - ID#17-07 - INV#02909 – Willis River Dam #7 – High Hazard – Peter Francisco SWCD
Project Status: Completed in FY 2019

SDR18016 - ID#18-03 – INV#147001– Buffalo Creek Dam #1 – Significant Hazard – Piedmont SWCD
Project Status: Completed in FY 2023

SDR18017 - ID#18-07 - INV#147002 – Buffalo Creek Dam #3 – Significant Hazard – Piedmont SWCD
Project Status: Complete in FY 2023

SDR18018 - ID#18-08 - INV#14702 – Buffalo Creek Dam #3 – Significant Hazard – Piedmont SWCD
Project Status: Returned to Fund in FY 2018

SDR18019 - ID#18-09 - INV#147007– Buffalo Creek Dam #5 – Significant Hazard – Piedmont SWCD

Project Status: Completed in FY 2023

SDR18020 - ID#18-10 - INV#147008 – Buffalo Creek Dam #6 – Significant Hazard – Piedmont SWCD

Project Status: Completed in FY 2023

SDR18021 - ID#17-12 - INV#14708 – Buffalo Creek Dam #6 – Significant Hazard – Piedmont SWCD

Project Status: Returned to Fund in FY 2018

SDR18022 - ID#17-13 - INV#14710 – Buffalo Creek Dam #8 – Significant Hazard – Piedmont SWCD

Project Status: Returned to Fund in FY 2018

SDR18023 - ID#17-15 - INV#147031 – Bush River Dam #2 – High Hazard – Piedmont SWCD

Project Status: Completed in FY 2023

SDR18024 - ID#18-20 - INV#109002 – Little River Dam #4 – Significant Hazard – Thomas Jefferson SWCD

Project Status: Completed in FY 2020

SDR18025 - ID#18-05 – Regional Riser Structure Assessment

Project Status: Returned to Fund in FY 2021

APPENDIX IX
FY 2017
Project Status

FY 2017 Projects Status:

A total of thirty-one (31) projects were allocated funds in FY 2017. Twenty-three (23) projects have been completed; and eight (8) projects returned monies to the Fund.

FY 2017 Allocations:	\$498,938.00
Payments from FY 2017 Allocations:	(\$282,284.50)
<u>FY 2017 Allocations Returned to Fund:</u>	<u>(\$216,653.50)</u>
FY 2017 Remaining Obligations:	\$0.00

FY 2017 Projects List:

SDR17001 - ID#17-49 - INV#06701– Upper Blackwater #6 – High Hazard – Blue Ridge SWCD
Project Status: Completed in FY 2021

SDR17002 - ID#17-40 - INV#11308 – Beautiful Run Dam #11 – Significant Hazard – Culpeper SWCD
Project Status: Returned to Fund in FY 2018

SDR17003 - ID#17-48 - INV#11306 – Beautiful Run Dam #7 – Significant Hazard – Culpeper SWCD
Project Status: Completed in FY 2018

SDR17004 - ID#17-51 - INV#11303 – Beautiful Run Dam #4 – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2018

SDR17005 - ID#17-52 - INV#11304 – Beautiful Run Dam #5 – Low Hazard – Culpeper SWCD
Project Status: Completed in FY 2018

SDR17006 - ID#17-01 - INV#01501 – South River Dam #26 – High Hazard – Headwaters SWCD
Project Status: Returned to Fund in FY 2018

SDR17007 - ID#17-17 - INV#04501 – John’s Creek Dam #2 – High Hazard – Mountain Castles SWCD
Project Status: Completed in FY 2021

SDR17008 - ID#17-44 - INV#02905 – Willis River Dam #5E – High Hazard – Peter Francisco SWCD
Project Status: Completed in FY 2018

SDR17009 - ID#17-45 - INV#02903 – Willis River Dam #3 – High Hazard – Peter Francisco SWCD
Project Status: Completed in FY 2018

SDR17010 - ID#17-46 - INV#02909 – Willis River Dam #7 – High Hazard – Peter Francisco SWCD
Project Status: Completed in FY2018

SDR17011 - ID#17-47 - INV#02910 – Willis River Dam #9 – High Hazard – Peter Francisco SWCD
Project Status: Completed in FY 2018

SDR17012 - ID#17-11 - INV#14706 – Buffalo Creek Dam #2 – Significant Hazard – Piedmont
SWCD
Project Status: Completed in FY 2021

SDR17013 - ID#17-12 - INV#14702 – Buffalo Creek Dam #3 – Significant Hazard – Piedmont
SWCD
Project Status: Completed in FY 2018

SDR17014 - ID#17-13 - INV#14708 – Buffalo Creek Dam #6 – Significant Hazard – Piedmont
SWCD
Project Status: Completed in FY 2018

SDR17015 - ID#17-14 - INV#14709 – Buffalo Creek Dam #7 – Significant Hazard – Piedmont
SWCD
Project Status: Completed in FY 2018

SDR17016 - ID#17-15 - INV#14710 – Buffalo Creek Dam #8 – Significant Hazard – Piedmont
SWCD
Project Status: Completed in FY 2018

SDR17017 - ID#17-20 - INV#14701 – Buffalo Creek Dam #1 – Significant Hazard – Piedmont
SWCD
Project Status: Completed in FY 2023

SDR17018 - ID#17-21 - INV#14706 – Buffalo Creek Dam #2 – Significant Hazard – Piedmont
SWCD
Project Status: Returned to Fund in FY 2019

SDR17019 - ID#17-03 - INV#16501 – Lower North Dam #80 – High Hazard – Shenandoah Valley
SWCD
Project Status: Returned to Fund in FY 2023

SDR17020 - ID#17-16 - INV#16501 – Lower North Dam #80 – High Hazard – Shenandoah Valley
SWCD
Project Status: Returned to Fund in FY 2023

SDR17021 - ID#17-30 - INV#16504 – Lower North Dam #22B – High Hazard – Shenandoah Valley
SWCD
Project Status: Returned to Fund in FY 2019

SDR17022 - ID#17-31 - INV#16502 – Lower North Dam #78 – High Hazard – Shenandoah Valley
SWCD
Project Status: Completed in FY 2019

SDR17023 - ID#17-32 - INV#16501 – Lower North Dam #80 – High Hazard – Shenandoah Valley SWCD

Project Status: Returned to Fund in FY 2019

SDR17024 - ID#17-33 - INV#16507 – Lower North Dam #82 – High Hazard – Shenandoah Valley SWCD

Project Status: Completed in FY 2019

SDR17025 - ID#17-34 - INV#16505 – Lower North Dam #83 – High Hazard – Shenandoah Valley SWCD

Project Status: Completed in FY 2019

SDR17026 - ID#17-35 - INV#16511 – Shoemaker Dam #3B – High Hazard – Shenandoah Valley SWCD

Project Status: Returned to Fund in FY 2019

SDR17027 - ID#17-36 - INV#16509 – Shoemaker Dam #1A – High Hazard – Shenandoah Valley SWCD

Project Status: Returned to Fund in FY 2019

SDR17028 - ID#17-37 - INV#16510 – Shoemaker Dam #4C – High Hazard – Shenandoah Valley SWCD

Project Status: Returned to Fund in FY 2019

SDR17029 - ID#17-10 - INV#3708 – Roanoke Creek Dam #62 – High Hazard – Southside SWCD

Project Status: Completed in FY 2023

SDR17030 - ID#17-19 - INV#03703 – Roanoke Creek Dam #35A – Low Hazard – Southside SWCD

Project Status: Completed in FY 2023

SDR17031 - ID#17-53 – Regional Riser Structure Assessment

Project Status: Completed in FY 2018