APPENDIX F

HIGH HAZARD POTENTIAL DAMS (HHPD) SAFETY SUMMARIES

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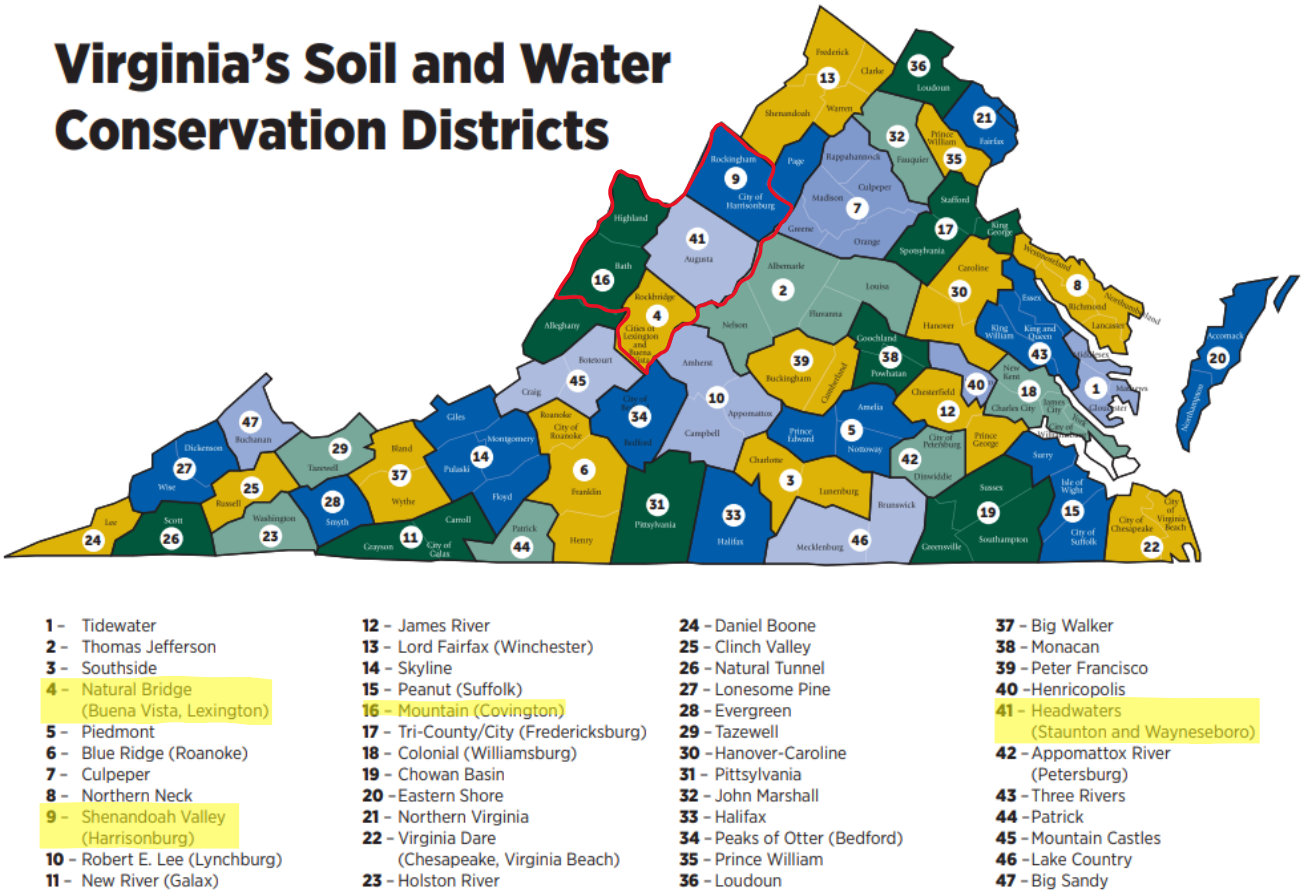
OUTREACH DOCUMENTATION

To collect information on High Hazard Potential Dams in the region, CSPDC staff reached out to the four Soil and Water Conservation Districts within the regional footprint: Shenandoah Valley SWCD, Headwaters SWCD, Natural Bridge SWCD, and Mountain SWCD. Staff communicated with the districts primarily through email and also spoke by phone with and met in person with the Shenandoah Valley SWCD district manager on March 26, 2024.



Source: Virginia Department of Conservation and Recreation (DCR)

Additionally, CSPDC contacted the regional dam safety engineer at the Department of Conservation and Recreation (DCR), though time and capacity constraints prevented a formal meeting. All contacts directed CSPDC to DCR's Dam Safety Inventory System (DSIS) as the best source for High Hazard Potential Dam information.

This appendix includes documentation of outreach efforts and dam safety summary sheets for all High Hazard Potential Dams in the region, obtained from DSIS.

Rachel Kinzer

From: Rachel Kinzer
Sent: Friday, November 22, 2024 2:32 PM
To: [redacted] (DCR)
Subject: RE: High Hazard Potential Dams - Central Shenandoah Hazard Mitigation Plan Update

Great—thank you! My availability for that week is:

Tuesday, Dec. 3rd – any time before 2 pm
Wednesday, Dec. 4th – any time before 11 am or after 2:30 pm
Thursday, Dec. 5th – any time after 1:30 pm

In terms of meeting location, we could do a zoom meeting, I could come to your office, or we could meet at the CSPDC office in Staunton. Let me know what is easiest for you and we'll do that.

Thank you,
Rachel

Rachel Kinzer
Regional Planner
Central Shenandoah Planning District Commission
112 MacTanly Place
Staunton, VA 24401
540-885-5174 x113 | www.cspdc.org

From: [redacted] (DCR) [redacted]@dcr.virginia.gov>
Sent: Friday, November 22, 2024 2:13 PM
To: Rachel Kinzer <rachel@cspdc.org>
Subject: Re: High Hazard Potential Dams - Central Shenandoah Hazard Mitigation Plan Update

Hi Rachel, I am happy to meet with you. Unfortunately, I'll be out of the office all next week, but I am free just about any day the following week.

Is there a day and time that works best for you? Also, where would you like to meet?

[redacted]

Get Outlook for iOS

From: Rachel Kinzer <rachel@cspdc.org>
Sent: Friday, November 22, 2024 1:13:34 PM
To: [redacted] (DCR) [redacted]@dcr.virginia.gov>
Subject: High Hazard Potential Dams - Central Shenandoah Hazard Mitigation Plan Update

Hello [redacted],

My name is Rachel Kinzer and I am a Regional Planner with the Central Shenandoah Planning District Commission working on our hazard mitigation plan update. Admittedly, I am new to disaster preparedness planning, but as I understand it, addressing High Hazard Potential Dams is a key component of these required plans.

I have recently been in touch with the four soil and water conservation districts in our regional footprint and they have pointed me to DSIS and DCR's Dam Safety webpages. However, I am still unsure of how to address High Hazard Potential Dams in our plan.

I am wondering if you would be willing to meet with me or connect me to someone to help me gain a better understanding of how to incorporate this information into a hazard mitigation plan. For example, I am curious what dam-related information would be useful in a regional hazard mitigation plan given my understanding that regulated high hazard dams have individual emergency action plans.

If you have any availability in the upcoming weeks, I would appreciate the opportunity to discuss this with you. I would also happily meet you in-person at a place convenient for you.

I look forward to hearing back from you.

Thank you,

Rachel

Rachel Kinzer
Regional Planner
Central Shenandoah Planning District Commission
112 MacTanly Place
Staunton, VA 24401
540-885-5174 x113 | www.cspdc.org

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CSPDC
Central Shenandoah Planning District Commission

Rachel Kinzer

From: Rachel Kinzer
Sent: Tuesday, November 19, 2024 9:00 AM
To: [redacted]
Subject: RE: Question about SVSWCD Dam Information

Okay, I will try to catch you Thursday afternoon. Thank you!

Rachel

Rachel Kinzer
Regional Planner
Central Shenandoah Planning District Commission
112 MacTanly Place
Staunton, VA 24401

From: [redacted]
Sent: Monday, November 18, 2024 4:55 PM
To: Rachel Kinzer
Subject: Re: Question about SVSWCD Dam Information

Rachel,

I am available on Wednesday or Thursday morning from 7:20-8:00 on my drive in to work (call my cell phone) or Thursday afternoon between 4 and 5:30pm or Friday between 12 and 2pm.

[redacted]
District Manager
Shenandoah Valley Soil & Water Conservation District
1934 Deyerle Avenue, Suite B
Harrisonburg, VA 22801
[redacted]
Like the SVSWCD on Facebook!

This electronic message contains information generated by the Shenandoah Valley Soil and Water Conservation District solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.

On Mon, Nov 18, 2024 at 10:40 AM Rachel Kinzer <rachel@cspdc.org> wrote:

> Hi [redacted],
>
> Thank you for your email. I will similarly be in and out of the office for the next few days due to a conference. Would it be okay if I called you later this week? Would you be available at a time on Thursday or Friday? I will also be in the office next week if that works better.
>
> Thank you for taking the time to go over this information with me!
>
> Rachel

From: [redacted]@svswcd.org>
Sent: Monday, November 18, 2024 6:45 AM
To: Rachel Kinzer <rachel@cspdc.org>
Subject: Re: Question about SVSCWD Dam Information

Rachel,

Just following up on this previous email.

I am available for a call on Tuesday (11/19) at 2:30 if that works for you.

If you need to chat sooner, you can try to reach me on my cell phone [redacted] today (Monday 11/18) - I will be in the field conducting inspections at our 8 SVSWCD owned dams - so my service will be spotty- but feel free to reach out. I should be back in the office by 3:30 or 4:00 this afternoon if you want to try me then.

[redacted]
District Manager
Shenandoah Valley Soil & Water Conservation District
1934 Deyerle Avenue, Suite B
Harrisonburg, VA 22801
[redacted]
Like the SVSWCD on Facebook!

On Thu, Nov 14, 2024 at 4:38 PM [redacted]@svswcd.org> wrote:

Rachel,

My response is a bit too complicated for me to send via email. Could we chat about this via phone? Please reach out to me at your convenience.

[redacted]
District Manager
Shenandoah Valley Soil & Water Conservation District
1934 Deyerle Avenue, Suite B
Harrisonburg, VA 22801
[redacted]
Like the SVSWCD on Facebook!

On Thu, Nov 14, 2024 at 3:15 PM Rachel Kinzer <rachel@cspdc.org> wrote:

Hi [redacted],

I am a Regional Planner at the Central Shenandoah Planning District Commission working on our regional Hazard Mitigation Plan update. For this plan, FEMA and VDEM request that we identify high hazard potential dams across our footprint. I have access to DCR's dam database, but it excludes private dams and unreported dams.

As a soil and water conservation district, I was wondering if you keep an inventory of dams in your region. If so, would you be able to share that information? We do not expect to make this information publicly available in our plan.

Thank you for your time,

Rachel

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Rachel Kinzer

From: Rachel Kinzer <rachel@cspdc.org>
Sent: Thursday, November 14, 2024 4:27 PM
To: [redacted]
Subject: RE: [EXTERNAL]Augusta County Dam Inventory

Hi [redacted],

Thanks for clarifying—the information you gave is helpful. I appreciate the contact as well.

Thank you!

Rachel

From: [redacted]@co.augusta.va.us>
Sent: Thursday, November 14, 2024 3:52 PM
To: Rachel Kinzer <rachel@cspdc.org>
Subject: RE: [EXTERNAL]Augusta County Dam Inventory

Hello Rachel,

So I was wrong it's not our list, its DCRs. It should have private as well as public. We recommend reaching out the [redacted] as a good contact.

[redacted]
Regional Dam Safety Engineer
900 Natural Resources Drive, [redacted]
Fontaine Research Park
Charlottesville, VA 22903
[redacted]@dcr.virginia.gov

DCR GIS-
https://www.arcgis.com/apps/dashboards/6cb14e56870f4134aa6e98e8c65fd6ce

You do have to log on to gis but the list is there. If you need property information you can pull ownership statues from the County gis. If need be send me a list with lat long or address and I can pull the data as well.

Hope this helps,

[redacted]
Augusta County Virginia
[redacted]

From: Rachel Kinzer <rachel@cspdc.org>
Sent: Thursday, November 14, 2024 3:01 PM
To: [redacted]@co.augusta.va.us>
Subject: [EXTERNAL]Augusta County Dam Inventory

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*** CAUTION ***

This message came from an EXTERNAL address. DO NOT click on links or attachments unless you know the sender and the content is safe.

Hi [redacted],

I am reaching out to follow-up on something from the last stormwater network meeting in October. For the Central Shenandoah Hazard Mitigation Plan update, we are supposed to identify high hazard potential dams. I have the dam inventory from DCR's database, but it excludes private and unreported dams. At the stormwater network meeting, you mentioned that the county might have a spreadsheet of private dams. If that is correct, would you be able to share that spreadsheet?

Thank you,

Rachel

Rachel Kinzer
Regional Planner
Central Shenandoah Planning District Commission
112 MacTanly Place
Staunton, VA 24401
540-885-5174 x113 | www.cspdc.org

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Rachel Kinzer

From: Rachel Kinzer
Sent: Monday, November 18, 2024 11:30 AM
To: [redacted]
Cc:
Subject: RE: [EXTERNAL]Question about Headwaters SWCD Dam Information

Great—thank you! I believe this information is all that we would need, but I may follow up with you all in the future.

Thank you,

Rachel

Rachel Kinzer
Regional Planner
Central Shenandoah Planning District Commission
112 MacTanly Place
Staunton, VA 24401
540-885-5174 x113 | www.cspdc.org

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From: [redacted]@co.augusta.va.us>
Sent: Friday, November 15, 2024 9:24 AM
To: Rachel Kinzer <rachel@cspdc.org>
Cc: [redacted]@co.augusta.va.us>; [redacted]@vaswcd.org>
Subject: RE: [EXTERNAL]Question about Headwaters SWCD Dam Information

Rachel,

Below I have included the link from our website, about our flood control dams.

https://headwatersswcd.org/flood-control-dams/

I have also copied [redacted] our Dam Technician on this email, in case you have any other questions related to our dams.

Thanks,

[redacted]

District Operations Manager
Headwaters SWCD

From: Rachel Kinzer <rachel@cspdc.org>
Sent: Thursday, November 14, 2024 3:18 PM
To: [redacted]@co.augusta.va.us>
Subject: [EXTERNAL]Question about Headwaters SWCD Dam Information

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Hi [redacted],

I am a Regional Planner at the Central Shenandoah Planning District Commission working on our regional Hazard Mitigation Plan update. For this plan, FEMA and VDEM request that we identify high hazard potential dams across our footprint. I have access to DCR's dam database, but it excludes private dams and unreported dams.

As a soil and water conservation district, I was wondering if you keep an inventory of dams in your region. If so, would you be able to share that information? We do not expect to make this information publicly available in our plan.

Thank you for your time,

Rachel

Rachel Kinzer
Regional Planner
Central Shenandoah Planning District Commission
112 MacTanly Place
Staunton, VA 24401
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Rachel Kinzer

From: Rachel Kinzer
Sent: Wednesday, April 23, 2025 8:59 AM
To: [redacted]
Subject: Augusta County Dams + Hazard Mitigation Meeting

Hi [redacted],

I am reaching out to you because I saw that you are the Dam Management Technician for Headwaters SWCD, and I'd like to invite you to a meeting on May 9th.

For context, I am a Regional Planner with the Central Shenandoah Planning District Commission working on our hazard mitigation plan update. An optional component of the plan is addressing High Hazard Potential Dams in the region. Doing so makes our localities eligible for FEMA grants specific to dam safety.

On May 9th at 2:00 PM, I am scheduled to meet with representatives from Augusta County [redacted] at the CSPDC office in Staunton. At this meeting, we will be discussing mitigation strategies and actions specific to Augusta. We'd appreciate your input on any discussion of dams in the Headwaters district.

If you are available on May 9th at 2:00 PM, please let me know if you will join the meeting. Our office address is 112 MacTanly Place, Staunton, VA.

Thank you,

Rachel

Rachel Kinzer
Regional Planner
Central Shenandoah Planning District Commission
Email | rachel@cspdc.org
Work | (540) 885-5174 x 113
Cell | (434) 390-4892

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Rachel Kinzer

From: Rachel Kinzer <rachel@cspdc.org>
Sent: Thursday, November 14, 2024 4:29 PM
To: [redacted]
Subject: RE: Question about Natural Bridge SWCD Dam Information

Okay, thank you—this is still really helpful.

Have a nice evening,

Rachel

From: [redacted]@vaswcd.org>
Sent: Thursday, November 14, 2024 3:52 PM
To: Rachel Kinzer <rachel@cspdc.org>
Subject: Re: Question about Natural Bridge SWCD Dam Information

Rachel unfortunately in my 34 years at Natural Bridge SWCD our District has not been involved at all with any Dams:
As far as my knowledge though other private ponds the only major dams in Rockbridge would be the Boy Scout Lake Merriwether in Goshen an Lake Robertson in Collierstown Area and the US Forest Services Cave Mountain Lake in Arnolds Valley
Sent from iphone

> On Nov 14, 2024, at 3:17 PM, Rachel Kinzer <rachel@cspdc.org> wrote:
>
> Hi [redacted],
>
> I am a Regional Planner at the Central Shenandoah Planning District Commission working on our regional Hazard Mitigation Plan update. For this plan, FEMA and VDEM request that we identify high hazard potential dams across our footprint. I have access to DCR's dam database, but it excludes private dams and unreported dams.
>
> As a soil and water conservation district, I was wondering if you keep an inventory of dams in your region. If so, would you be able to share that information? We do not expect to make this information publicly available in our plan.
>
> Thank you for your time,
>
> Rachel
>
> **Rachel Kinzer**
> Regional Planner
> Central Shenandoah Planning District Commission
> 112 MacTanly Place
> Staunton, VA 24401
> 540-885-5174 x113 | www.cspdc.org

1

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #26

Inventory Number: 015001

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:
DCR Dam Safety Engineer

Year Constructed: 01/01/1956

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Mountain SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 11/30/2024

Days Since Last Inspection: 1250

Type of Dam
Earth (Primary)

Inundation Report: 08/08/2022

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 5.00 Miles

River or Stream: INCH BRANCH OF BACK CREEK

Technical Basics

Normal Pool Area: 9.00 Acres

Top Surface Area: 40.00 Acres

Normal Pool Capacity: 58.00 Acre-Feet

Top Capacity: 868.00 Acre-Feet

Normal Pool Elevation: 1432.00 Feet

Top Elevation: 1467.00 Feet

Normal Pool Height: 22.00 Feet

Top Height: 57.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 2.40 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/8/2022	Owner	Satisfactory
3/25/2021	Owner	Satisfactory
8/26/2020	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 04/07/2016
Expiration Date: 04/07/2022

Dam Location

Dam Address:
546 Inch Robinson Lane
Lyndhurst VA, 22952

E911 Direction to Dam:
Google Maps address - South River Number 26 Dam, Lyndhurst VA 22952
House is located on Right Upstream Bank of Dam.

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 624 - 1.4 miles downstream
- 650 - 3.5 miles downstream
- I-64 - 4 miles downstream

Dams Downstream:

- None

Potential Impact Structures (count):

- 875 Homes
- 193 Businesses
- 1 Schools
- 0 Hospitals
- 2 Critical Infrastructure
- 1 Railroads
- 2 Utilities
- 5 Parks
- 1 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #25

Inventory Number: 015002

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1957

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Mountain SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 11/30/2024

Days Since Last Inspection: 1630

Type of Dam
Earth (Primary)

Inundation Report: 02/17/2012

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 1.00 Miles

River or Stream: TOMS BRANCH BACK CREEK

Technical Basics

Normal Pool Area: 9.00 Acres

Top Surface Area: 46.00 Acres

Normal Pool Capacity: 61.00 Acre-Feet

Top Capacity: 1281.00 Acre-Feet

Normal Pool Elevation: 1542.00 Feet

Top Elevation: 1590.00 Feet

Normal Pool Height: 15.00 Feet

Top Height: 62.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 4.50 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
3/24/2021	Owner	Satisfactory
8/26/2020	Engineer	Satisfactory
3/25/2019	Owner	Satisfactory

EAP Quick Reference

Approval Date: 04/21/2002
Expiration Date: 04/21/2008

Dam Location

Dam Address:
204 Toms Dam Circle
Lyndhurst VA, 22952

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Rte 624 - 0.2 miles downstream
- Rte 624 - 5.6 miles downstream
- Rte 610 - 1.7 miles downstream

Dams Downstream:

Potential Impact Structures (count):

- 46 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #10A

Inventory Number: 015004

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1963

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Augusta County

Certificate Type: Regular Operation and Maintenance Certificate

Certificate Expiration: 12/31/2029

Type of Dam
Earth (Primary)

Days Since Last Inspection: 790

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)
Water Supply (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 4.00 Miles

River or Stream: MILLS CREEK

Technical Basics

Normal Pool Area: 17.40 Acres

Top Surface Area: 32.00 Acres

Normal Pool Capacity: 370.00 Acre-Feet

Top Capacity: 1235.00 Acre-Feet

Normal Pool Elevation: 1862.00 Feet

Top Elevation: 1898.00 Feet

Normal Pool Height: 62.00 Feet

Top Height: 97.50 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 3.70 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

24 Hour PMP: 0.00

Available Spillway Design Flow: 1.00 PMF

Weighted Curve Number:

IDA Spillway Reduction:

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
7/12/2023	Engineer	Satisfactory
7/27/2021	Engineer	Satisfactory
9/8/2017	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 07/27/2021
Expiration Date: 07/26/2027

Dam Location

Dam Address:
4977 Coal Road
Lyndhurst VA, 22952

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 664 - 2.75 miles downstream
- 855 - 2.25 miles downstream

Dams Downstream:

- 015014

Potential Impact Structures (count):

- 324 Homes
- 34 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 1 Railroads
- 3 Utilities
- 1 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Upper North River Dam #10

Inventory Number: 015005

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1963

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Mountain SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 09/30/2024

Days Since Last Inspection: 1257

Type of Dam
Earth (Primary)

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 4.00 Miles

River or Stream: SKIDMORE CREEK

Technical Basics

Normal Pool Area: 7.00 Acres

Top Surface Area: 37.00 Acres

Normal Pool Capacity: 56.00 Acre-Feet

Top Capacity: 865.00 Acre-Feet

Normal Pool Elevation: 0.00 Feet

Top Elevation: 0.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 68.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 4.10 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: .55 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/1/2022	Owner	Satisfactory
3/26/2021	Engineer	Satisfactory
3/26/2021	Owner	Satisfactory

EAP Quick Reference

Approval Date: 08/23/2006
Expiration Date: 08/23/2012

Dam Location

Dam Address:
84 Leading Ridge Rd
Mount Solon VA, 22843

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- FR 95 - 1.3 miles downstream
- RTE 730 - 3.8 miles downstream

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Upper North River #76

Inventory Number: 015006

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1965

DCR Dam Safety Engineer

Size Classification: Large (>=50,000 ac. ft., >=100')

Dam Owner:
City of Staunton

Certificate Type: Regular Operation and Maintenance Certificate
Certificate Expiration: 05/31/2022

Days Since Last Inspection: 3078

Type of Dam
Earth (Primary)

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)
Water Supply (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 8.00 Miles

River or Stream: UPPER NORTH RIVER

Technical Basics

Normal Pool Area: 54.00 Acres

Top Surface Area: 274.00 Acres

Normal Pool Capacity: 3066.00 Acre-Feet

Top Capacity: 10500.00 Acre-Feet

Normal Pool Elevation: 2016.00 Feet

Top Elevation: 2084.00 Feet **Top**

Normal Pool Height: 50.00 Feet

Height: 118.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 27.10 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/6/2017	Engineer	Satisfactory
9/15/2016	Engineer	
10/9/2014	Owner	

EAP Quick Reference

Approval Date: 08/05/2015
Expiration Date: 08/05/2021

Dam Location

Dam Address:
Braley Pond Road & Leading Ridge Road
West Augusta VA, 24421

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Forest Department Access Road No. 958 - 1.75 miles downstream
- North River Camp Ground - 2.3 miles downstream
- Stokesville Road Bridge (VA 763) - 8.8 miles downstream
- George Walton Road Bridge (VA 758) - 11.7 miles downstream
- natural Chimney Road Bridge (VA 731) - 13 miles downstream
- Towers Road Bridge (VA 764) - 14.7 miles downstream
- Reeves Road Bridge (VA 766) - 15.9 miles downstream
- Spring Creek Road Bridge (VA 727) - 18.8 miles downstream

Potential Impact Structures (count):

- 280 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dams Downstream:

- 015018

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Upper North River #77

Inventory Number: 015007

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1966

DCR Dam Safety Engineer

Size Classification: Large (>=50,000 ac. ft., >=100')

Dam Owner:
Mountain SWCD

Certificate Type: Regular Operation and Maintenance Certificate
Certificate Expiration: 09/30/2027

Days Since Last Inspection: 1257

Type of Dam
Earth (Primary)

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 3.00 Miles

River or Stream: LITTLE RIVER

Technical Basics

Normal Pool Area: 12.30 Acres

Top Surface Area: 35.00 Acres

Normal Pool Capacity: 150.00 Acre-Feet

Top Capacity: 2970.00 Acre-Feet

Normal Pool Elevation: 1779.00 Feet

Top Elevation: 1854.90 Feet

Normal Pool Height: 35.00 Feet

Top Height: 107.30 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 6-HR PMP

Drainage Area: 15.80 Sq. Mi.

6 Hour PMP: 19.00

Time of Concentration: 2.80

12 Hour PMP: 22.00

Weighted Curve Number: 58

24 Hour PMP: 22.00

IDA Spillway Reduction:

Available Spillway Design Flow: .75 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/1/2022	Owner	Satisfactory
3/26/2021	Owner	Satisfactory
5/20/2020	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 10/27/2016
Expiration Date: 10/27/2022

Dam Location

Dam Address:
Tillman Road
Mount Solon VA, 22843

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- FR95 - 1.3 miles downstream
- 730 - 3.8 miles downstream

Dams Downstream:

- None

Potential Impact Structures (count):

- 270 Homes
- 15 Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #23

Inventory Number: 015008

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1956

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Mountain SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 09/30/2024

Days Since Last Inspection: 1250

Type of Dam
Earth (Primary)

Inundation Report: 10/20/2022

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 5.00 Miles

River or Stream: ROBINSON HOLLOW

Technical Basics

Normal Pool Area: 7.00 Acres

Top Surface Area: 47.00 Acres

Normal Pool Capacity: 37.00 Acre-Feet

Top Capacity: 919.00 Acre-Feet

Normal Pool Elevation: 1470.00 Feet

Top Elevation: 1504.00 Feet

Normal Pool Height: 15.00 Feet

Top Height: 49.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 2.40 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/8/2022	Owner	Satisfactory
3/25/2021	Engineer	Satisfactory
3/25/2021	Owner	Satisfactory

EAP Quick Reference

Approval Date: 08/27/2018
Expiration Date: 08/27/2024

Dam Location

Dam Address:
394 Inch Robinson Lane
Lyndhurst VA, 22952

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 624 - 2.4 miles downstream
- 650 - 4.22 miles downstream
- 644 - 5.61 miles downstream
- 664 - 7.64 miles downstream
- 340 - 8.96 miles downstream
- 250 - 8.79 miles downstream
- 2nd Street - 9.72 miles downstream
- Hopeman Parkway - 10.75 miles downstream
- 611 - 13.47 miles downstream
- 612 - 18.31 miles downstream

Potential Impact Structures (count):

- 875 Homes
- 193 Businesses
- 1 Schools
- 0 Hospitals
- 2 Critical Infrastructure
- 1 Railroads
- 2 Utilities
- 5 Parks
- 1 Golf Courses

Dams Downstream:

- None

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #6

Inventory Number: 015009

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1959

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Mountain SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 09/30/2024

Days Since Last Inspection: 1630

Type of Dam
Earth (Primary)

Inundation Report: 02/20/2018

Reservoir Purpose
Flood Control or storm water management (Primary)
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 6.00 Miles

River or Stream: COLD SPRINGS RUN

Technical Basics

Normal Pool Area: 12.00 Acres

Top Surface Area: 52.00 Acres

Normal Pool Capacity: 30.00 Acre-Feet

Top Capacity: 1283.00 Acre-Feet

Normal Pool Elevation: 1602.00 Feet

Top Elevation: 1642.00 Feet

Normal Pool Height: 15.00 Feet

Top Height: 56.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 4.10 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: .60 PMF

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
3/24/2021	Engineer	Fair
3/24/2021	Owner	Satisfactory
3/25/2019	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 02/20/2018
Expiration Date: 02/20/2024

Dam Location

Dam Address:
277 Lake Drive
Greenville VA, 24440

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 608 - 0.5 miles downstream
- 658 - 2.0 miles downstream
- 657 - 3.8 miles downstream
- 652 - 3.48 miles downstream
- 656 - 5.45 miles downstream
- Draft Ave - 7.83 miles downstream
- RailRoad #1 - 1.87 miles downstream
- RailRoad #2 - 5.65 miles downstream
- Lake Drive - 0.0 miles downstream

Potential Impact Structures (count):

- 21 Homes
- 1 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 2 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dams Downstream:

- None

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #4

Inventory Number: 015011

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1959

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Mountain SWCD

Certificate Type: Regular Operation and Maintenance Certificate

Certificate Expiration: 07/31/2026

Days Since Last Inspection: 1630

Type of Dam
Earth (Primary)

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 2.00 Miles

River or Stream: PINE RUN

Technical Basics

Normal Pool Area: 7.00 Acres

Top Surface Area: 72.00 Acres

Normal Pool Capacity: 40.00 Acre-Feet

Top Capacity: 890.00 Acre-Feet

Normal Pool Elevation: 1733.00 Feet

Top Elevation: 1765.00 Feet

Normal Pool Height: 24.00 Feet

Top Height: 56.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 6-HR PMP

Drainage Area: 3.00 Sq. Mi.

6 Hour PMP: 24.50

Time of Concentration:

12 Hour PMP: 28.80

24 Hour PMP: 28.80

Available Spillway Design Flow: .87 PMF

Weighted Curve Number:

IDA Spillway Reduction:

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
3/24/2021	Owner	Satisfactory
2/19/2020	Engineer	Satisfactory
3/25/2019	Owner	Satisfactory

EAP Quick Reference

Approval Date: 09/19/2016
Expiration Date: 09/19/2022

Dam Location

Dam Address:
62 Lofton Lake Lane
Raphine VA, 24472

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Route 662 - 2.2 miles downstream
- Route 658 - 4.2 miles downstream
- Route 652 - 5.4 miles downstream
- Route 656 - 18.8 miles downstream

Dams Downstream:

- None

Potential Impact Structures (count):

- 21 Homes
- 2 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 5 Railroads
- 1 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #11

Inventory Number: 015012

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1957

DCR Dam Safety Engineer

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Dam Owner:
Mountain SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 11/30/2024

Days Since Last Inspection: 1630

Type of Dam
Earth (Primary)

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 3.00 Miles

River or Stream: CANADA RUN

Technical Basics

Normal Pool Area: 6.00 Acres

Top Surface Area: 24.00 Acres

Normal Pool Capacity: 24.00 Acre-Feet

Top Capacity: 292.00 Acre-Feet

Normal Pool Elevation: 1468.00 Feet

Top Elevation: 1487.00 Feet

Normal Pool Height: 8.00 Feet

Top Height: 27.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 1.40 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: .60 PMF **Required Spillway Design Flow**: .58 PMF

Inspections (Last 3 Max)

Date	Type	Condition
3/24/2021	Owner	Satisfactory
8/26/2020	Engineer	Satisfactory
3/25/2019	Owner	Fair

EAP Quick Reference

Approval Date: 03/29/2016
Expiration Date: 03/29/2022

Dam Location

Dam Address:
1195 Howardsville Turnpike
Stuarts Draft VA, 24477

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- VA 610 - 0.25 miles downstream
- VA 650 - 3.5 miles downstream
- I-64 - 6.5 miles downstream

Dams Downstream:

Potential Impact Structures (count):

- 35 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #19

Inventory Number: 015014

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1957

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Mountain SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 09/30/2024

Days Since Last Inspection: 1250

Type of Dam
Earth (Primary)

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 1.00 Miles

River or Stream: TR-SOUTH RIVER

Technical Basics

Normal Pool Area: 11.00 Acres

Top Surface Area: 66.00 Acres

Normal Pool Capacity: 29.00 Acre-Feet

Top Capacity: 1034.00 Acre-Feet

Normal Pool Elevation: 0.00 Feet

Top Elevation: 0.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 35.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 3.04 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: .55 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/8/2022	Owner	Unsatisfactory
3/25/2021	Owner	Poor
8/26/2020	Engineer	Fair

EAP Quick Reference

Approval Date: 08/27/2018
Expiration Date: 08/27/2024

Dam Location

Dam Address:
Dupont Road
Stuarts Draft VA, 22952

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 624 - .3 miles downstream
- 971 - .87 miles downstream
- 632 - 4.4 miles downstream

Dams Downstream:

- NONE

Potential Impact Structures (count):

- 5 Homes
- 2 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 2 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Upper Wallace Dam

Inventory Number: 015016

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1967

DCR Dam Safety Engineer

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Dam Owner:
Private Owner

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 09/30/2022

Days Since Last Inspection: 3238

Type of Dam
Earth (Primary)

Inundation Report: 02/17/2014

Reservoir Purpose
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 7.00 Miles

River or Stream: POOR CREEK

Technical Basics

Normal Pool Area: 25.00 Acres

Top Surface Area: 40.00 Acres

Normal Pool Capacity: 240.00 Acre-Feet

Top Capacity: 500.00 Acre-Feet

Normal Pool Elevation: 0.00 Feet

Top Elevation: 0.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 37.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 3.70 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: 100.00 YR **Required Spillway Design Flow**: 100.00 YR

Inspections (Last 3 Max)

Date	Type	Condition
10/28/2016	Engineer	Fair
7/12/2012	Engineer	Satisfactory
1/29/1998	Engineer	

EAP Quick Reference

Approval Date: 01/13/2017
Expiration Date: 01/13/2023

Dam Location

Dam Address:
321 Penmerryl Drive
Greenville VA, 24440

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- VA-658 (Avis Road) - 2.03 miles downstream
- VA-658 (Wilda Road) - 3.38 miles downstream
- VA-657 (Indian Ridge Road) - 5.15 miles downstream
- VA-656 (Offliter Road) - 5.57 miles downstream

Potential Impact Structures (count):

- 35 Homes
- 5 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 1 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dams Downstream:

- 000000

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Staunton Dam

Inventory Number: 015018

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1925

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
City of Staunton

Certificate Type: Regular Operation and Maintenance Certificate

Certificate Expiration: 03/31/2022

Days Since Last Inspection: 3494

Type of Dam
Gravity (Primary)

Inundation Report: Unknown

Reservoir Purpose
Water Supply (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 0.00 Miles

River or Stream: NORTH RIVER

Technical Basics

Normal Pool Area: 30.00 Acres

Top Surface Area: 45.00 Acres

Normal Pool Capacity: 210.00 Acre-Feet

Top Capacity: 416.00 Acre-Feet

Normal Pool Elevation: 1919.00 Feet

Top Elevation: 1924.00 Feet

Normal Pool Height: 40.00 Feet

Top Height: 46.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 28.90 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: .50 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
2/15/2016	Engineer	
3/20/2014	Engineer	Fair
7/22/2009	Engineer	Fair

EAP Quick Reference

Approval Date: 01/30/2015
Expiration Date: 01/30/2021

Dam Location

Dam Address:
774 Unnamed Road
Mt Solon VA, 22843

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Forest Department Access Road FR No. 958 - 0 m les downstream

Dams Downstream:

Potential Impact Structures (count):

- 0 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 1 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Coles Run Dam

Inventory Number: 015019

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1951

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Augusta County

Certificate Type: Regular Operation and Maintenance Certificate

Certificate Expiration: 03/31/2027

Days Since Last Inspection: 139

Type of Dam
Earth (Primary)

Inundation Report: Unknown

Reservoir Purpose
Water Supply (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 2.00 Miles

River or Stream: COLES RUN

Technical Basics

Normal Pool Area: 5.00 Acres

Top Surface Area: 10.00 Acres

Normal Pool Capacity: 181.00 Acre-Feet

Top Capacity: 256.00 Acre-Feet

Normal Pool Elevation: 1920.00 Feet

Top Elevation: 1934.00 Feet

Normal Pool Height: 51.00 Feet

Top Height: 65.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 2.61 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/23/2025	Engineer	Satisfactory
3/8/2024	Owner	Satisfactory
3/8/2023	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 02/08/2021
Expiration Date: 02/08/2027

Dam Location

Dam Address:
3919 Coal Road
Stuarts Draft VA, 24477

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- FR-42 - 0.2 miles downstream
- 606 - 1.1 miles downstream
- 610 - 2.6 miles downstream

Dams Downstream:

- 0

Potential Impact Structures (count):

- 202 Homes
- 5 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #7

Inventory Number: 015022

Hazard Classification: High

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1957

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Mountain SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 03/31/2024

Days Since Last Inspection: 1630

Type of Dam
Earth (Primary)

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 0.00 Miles

River or Stream: TR-SOUTH RIVER

Technical Basics

Normal Pool Area: 7.00 Acres

Top Surface Area: 42.00 Acres

Normal Pool Capacity: 19.00 Acre-Feet

Top Capacity: 690.00 Acre-Feet

Normal Pool Elevation: 0.00 Feet

Top Elevation: 0.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 46.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 2.30 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: .90 PMP **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
3/24/2021	Owner	Satisfactory
2/19/2020	Engineer	Satisfactory
3/25/2019	Owner	Satisfactory

EAP Quick Reference

Approval Date: 02/15/2018
Expiration Date: 02/15/2024

Dam Location

Dam Address:
289 Wilda Road
Stuarts Draft VA, 24477

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- NS Railroad - 0.16 miles downstream
- Route 652 (Wilda Road) - 0.40 miles downstream
- Route 653 (Offliter Road) - 2.37 miles downstream
- NS Railroad - 2.57 miles downstream

Dams Downstream:

Potential Impact Structures (count):

- 8 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- 2 Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Elizabeth Hearn Dam

Inventory Number: 015036

Hazard Classification: High, Prelim

City/County: Augusta County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1900

DCR Dam Safety Engineer

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Dam Owner:
Private Owner

Certificate Type: AgExempt

Certificate Expiration: 12/13/2027

Days Since Last Inspection:

Type of Dam
Earth (Primary)

Inundation Report: 10/02/2024

Reservoir Purpose
Agriculture (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: Miles

River or Stream:

Technical Basics

Normal Pool Area: 18.90 Acres

Top Surface Area: 26.49 Acres

Normal Pool Capacity: 117.18 Acre-Feet

Top Capacity: 217.22 Acre-Feet

Normal Pool Elevation: 1373.50 Feet

Top Elevation: 1378.50 Feet

Normal Pool Height: 15.50 Feet

Top Height: 20.50 Feet

Technical Hydrology/Hydraulics

Controlling PMP:

Drainage Area: Sq. Mi.

6 Hour PMP:

Time of Concentration:

12 Hour PMP:

Weighted Curve Number:

24 Hour PMP:

IDA Spillway Reduction:

Available Spillway Design Flow:

Required Spillway Design Flow:

Inspections (Last 3 Max)

Date	Type	Condition

EAP Quick Reference

Approval Date:
Expiration Date:

Dam Location

Dam Address:

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Gathright Dam

Inventory Number: 005001

Hazard Classification: High

City/County: Alleghany County, Bath County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1978

DCR Dam Safety Engineer

Size Classification: Large (>=50,000 ac. ft., >=100')

Dam Owner:
U.S. Army Corps of Engineers (USACE)

Certificate Type:

Certificate Expiration:

Type of Dam
Rockfill (Primary)

Days Since Last Inspection:

Inundation Report: 12/01/2013

Reservoir Purpose
Recreation (Primary)
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates
Uncontrolled	100.00	Slide (Sluice Gate)
None (Auxiliary)	.00	None

Watershed

Nearest City:

Nearest City Distance: 19.00 Miles

River or Stream: JACKSON RIVER

Technical Basics

Normal Pool Area: 2530.00 Acres

Top Surface Area: 0.00 Acres

Normal Pool Capacity: 123700.00 Acre-Feet

Top Capacity: 421500.00 Acre-Feet

Normal Pool Elevation: 0.00 Feet

Top Elevation: 0.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 257.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 345.00 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

24 Hour PMP: 0.00

Available Spillway Design Flow:

Weighted Curve Number:

IDA Spillway Reduction:

Required Spillway Design Flow:

Inspections (Last 3 Max)

Date	Type	Condition

EAP Quick Reference

Approval Date: 05/24/1993

Expiration Date: 05/24/1999

Dam Location

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Douthat Lake Dam

Inventory Number: 017001

Hazard Classification: High

City/County: Bath County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1936

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
VA Department of Conservation and Recreation

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 05/31/2026

Days Since Last Inspection: 791

Type of Dam
Earth (Primary)

Inundation Report: 07/12/2013

Reservoir Purpose
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 6.00 Miles

River or Stream: WILSON CREEK

Technical Basics

Normal Pool Area: 47.30 Acres

Top Surface Area: 60.00 Acres

Normal Pool Capacity: 895.00 Acre-Feet

Top Capacity: 1328.00 Acre-Feet

Normal Pool Elevation: 1445.00 Feet

Top Elevation: 1453.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 55.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 17.02 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration: 0.70

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF **Required Spillway Design Flow**: 1.00 PMF

Inspections (Last 3 Max)

Date	Type	Condition
7/11/2023	Engineer	Satisfactory
9/23/2020	Engineer	Satisfactory
4/26/2016	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 10/10/2024
Expiration Date: 10/10/2030

Dam Location

Dam Address:
14239 Douthat SP Road
Millboro VA, 24460

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Route 629 - 0.68 miles downstream
- Route 629 - 4.88 miles downstream
- Route 629 - 5.74 miles downstream
- Interstate 64 - 6.37 miles downstream
- Route 632 - 6.66 miles downstream
- Route 632 - 7.17 miles downstream

Dams Downstream:

- 000000

Potential Impact Structures (count):

- 564 Homes
- 27 Businesses
- 0 Schools
- 0 Hospitals
- 2 Critical Infrastructure
- 1 Railroads
- 1 Utilities
- 1 Parks
- 1 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Bath Co. Pumped Storage - Upper Dam

Inventory Number: 017006

Hazard Classification: High

City/County: Bath County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1984

DCR Dam Safety Engineer

Size Classification: Large (>=50,000 ac. ft., >=100')

Dam Owner:
VEPCO / ALLEGHENY GENERATING CO.

Certificate Type:

Certificate Expiration:

Days Since Last Inspection:

Inundation Report: Unknown

Type of Dam
Earth (Primary)
Rockfill (Secondary)

Reservoir Purpose
Hydro-electric (Primary)

Type of Spillway

Type	Width	Outlet Gates
Uncontrolled	.00	None
None (Auxiliary)	.00	None

Watershed

Nearest City:

Nearest City Distance: 11.00 Miles

River or Stream: Little Back Creek

Technical Basics

Normal Pool Area: 0.00 Acres

Top Surface Area: 265.00 Acres

Normal Pool Capacity: 0.00 Acre-Feet

Top Capacity: 35500.00 Acre-Feet

Normal Pool Elevation: 0.00 Feet

Top Elevation: 0.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 381.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 2.40 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

24 Hour PMP: 0.00

Available Spillway Design Flow:

Weighted Curve Number:

IDA Spillway Reduction:

Required Spillway Design Flow:

Inspections (Last 3 Max)

Date	Type	Condition

EAP Quick Reference

Approval Date: 02/01/2011
Expiration Date: 02/01/2017

Dam Location

Dam Address:
316 Power Station Road
Warm Springs VA, 24484

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Bath Co. Pumped Storage - Lower Dam

Inventory Number: 017007

Hazard Classification: High

City/County: Bath County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1984

DCR Dam Safety Engineer

Size Classification: Large (>=50,000 ac. ft., >=100')

Dam Owner:
VEPCO / ALLEGHENY GENERATING CO.

Certificate Type:

Certificate Expiration:

Days Since Last Inspection:

Inundation Report: Unknown

Type of Dam
Earth (Primary)
Rockfill (Secondary)

Reservoir Purpose
Hydro-electric (Primary)

Type of Spillway

Type	Width	Outlet Gates
Controlled	64.00	Tainter (radial)
None (Auxiliary)	.00	None

Watershed

Nearest City:

Nearest City Distance: 8.00 Miles

River or Stream: Back Creek

Technical Basics

Normal Pool Area: 0.00 Acres

Top Surface Area: 555.00 Acres

Normal Pool Capacity: 0.00 Acre-Feet

Top Capacity: 27300.00 Acre-Feet

Normal Pool Elevation: 0.00 Feet

Top Elevation: 0.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 136.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 73.40 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

24 Hour PMP: 0.00

Available Spillway Design Flow: .00 PMF

Weighted Curve Number:

IDA Spillway Reduction:

Required Spillway Design Flow: .00 PMF

Inspections (Last 3 Max)

Date	Type	Condition

EAP Quick Reference

Approval Date: 02/01/2011

Expiration Date: 02/01/2017

Dam Location

Dam Address:
316 Power Station Road
Warm Springs VA, 24484

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Newman Lake Dam

Hazard Classification: High

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
James Madison University

Type of Dam
Earth (Primary)

Inventory Number: 660001

City/County: City of Harrisonburg

Constructed By:

Year Constructed: 01/01/1966

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Certificate Type: Regular Operation and Maintenance Certificate

Certificate Expiration: 09/30/2027

Days Since Last Inspection: 49

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 0.00 Miles

River or Stream: TR-Blacks Run

Technical Basics

Normal Pool Area: 13.00 Acres

Normal Pool Capacity: 62.00 Acre-Feet

Normal Pool Elevation: 1290.00 Feet

Normal Pool Height: 12.00 Feet

Top Surface Area: 17.00 Acres

Top Capacity: 122.00 Acre-Feet

Top Elevation: 1296.00 Feet

Top Height: 18.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP:

6 Hour PMP:

12 Hour PMP:

Drainage Area: 2.74 Sq. Mi.

Time of Concentration:

Weighted Curve Number:

24 Hour PMP:

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
7/22/2025	Engineer	Satisfactory
4/8/2024	Owner	Satisfactory
9/12/2023	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 04/29/2020
Expiration Date: 04/30/2026

Dam Location

Dam Address:
821 South Main Street
Harrisonburg VA, 22807

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 81 - 0.1 miles downstream

Dams Downstream:

Potential Impact Structures (count):

- 48 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 1 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Goshen Dam

Inventory Number: 163001

Hazard Classification: High

City/County: Rockbridge County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1966

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Private

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 07/21/2024

Type of Dam
Earth (Primary)

Days Since Last Inspection: 614

Inundation Report: 01/07/2011

Reservoir Purpose
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 4.00 Miles

River or Stream: LITTLE CALF PASTURE RIVER

Technical Basics

Normal Pool Area: 426.00 Acres

Top Surface Area: 803.00 Acres

Normal Pool Capacity: 4672.00 Acre-Feet

Top Capacity: 13950.00 Acre-Feet

Normal Pool Elevation: 1369.00 Feet

Top Elevation: 1380.00 Feet

Normal Pool Height: 27.00 Feet

Top Height: 38.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 82.40 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration: 1.60

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction: .43 PMF

Available Spillway Design Flow: .43 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
1/4/2024	Engineer	Fair
10/22/2021	Engineer	Satisfactory
10/23/2019	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 10/20/2020
Expiration Date: 10/20/2026

Dam Location

Dam Address:
340 Millard Burke Memorial Hwy
Goshen VA, 24439

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 55555 see EAP - 0.1 miles downstream

Dams Downstream:

- 555555

Potential Impact Structures (count):

- 752 Homes
- 86 Businesses
- 0 Schools
- 0 Hospitals
- 12 Critical Infrastructure
- 1 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Robertson Dam

Inventory Number: 163002

Hazard Classification: High

City/County: Rockbridge County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1968

DCR Dam Safety Engineer

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Dam Owner:
State

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 02/28/2027

Type of Dam
Earth (Primary)

Days Since Last Inspection: 434

Inundation Report: 06/28/2010

Reservoir Purpose
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City: Lexington

Nearest City Distance: 8.90 Miles

River or Stream: Unnamed tributary to Colliers Creek - VAHU6 JU84 Colliers Creek

Technical Basics

Normal Pool Area: 26.00 Acres

Top Surface Area: 33.00 Acres

Normal Pool Capacity: 440.00 Acre-Feet

Top Capacity: 678.00 Acre-Feet

Normal Pool Elevation: 144.00 Feet

Top Elevation: 152.00 Feet

Normal Pool Height: 44.00 Feet

Top Height: 52.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 1.00 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
7/2/2024	Engineer	Fair
5/9/2023	Owner	Fair
2/17/2021	Engineer	Fair

EAP Quick Reference

Approval Date: 11/30/2023
Expiration Date: 11/30/2029

Dam Location

Dam Address:
106 Lake Robertson Drive
Lexington VA, 24450

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Rt. 646 / Turn Pike Rd. - 1.34 miles downstream
- Rt. 655 / Blacks Creek Rd. - 1.51 miles downstream
- Church Rd. - 1.64 miles downstream
- Rt. 766 / Wilkinson Place - 2.28 miles downstream
- Rt. 644 / Wide Gap Rd. - 3.30 miles downstream
- Potter Rock Lane - 3.93 miles downstream
- Rt. 651 / Collierstown Rd. - 6.48 miles downstream
- Rt. 670 / Mateer Rd. - 7.68 miles downstream
- Zollman's Mill Rd. - 8.25 miles downstream
- 9 & 15 Camp Cawthorne Ln. - 8.84 miles downstream
- 1002 Spring Valley Rd. - 9.70 miles downstream
- Rt. 610 / Plank Rd. - 11.78 miles downstream
- Rt. 11 / South Lee Hwy. - 14.32 miles downstream
- Rt. 700 / Bunker Hill Mill Rd. - 16.50 miles downstream
- Rt. 608 / Forge Rd. - 17.44 miles downstream

Potential Impact Structures (count):

- 68 Homes
- 0 Businesses
- 1 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dams Downstream:

- 000000

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Moores Creek Dam

Inventory Number: 163003

Hazard Classification: High

City/County: Rockbridge County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1926

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
City of Lexington

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 08/31/2026

Type of Dam
Earth (Primary)

Days Since Last Inspection: 253

Inundation Report: Unknown

Reservoir Purpose
Water Supply (Primary)

Type of Spillway

Type	Width	Outlet Gates
Uncontrolled	4.00	Concrete Spillway - Rectangular
Uncontrolled	2.50	Outfall Pipe - Circular Concrete
Uncontrolled (Auxiliary)	100.00	Weir Structure - Concrete Rectangular

Watershed

Nearest City: Lexington

Nearest City Distance: 11.70 Miles

River or Stream: Moore Creek - VAHU6 JU83 North Buffalo Creek

Technical Basics

Normal Pool Area: 25.00 Acres

Top Surface Area: 37.50 Acres

Normal Pool Capacity: 643.00 Acre-Feet

Top Capacity: 853.00 Acre-Feet

Normal Pool Elevation: 1962.00 Feet

Top Elevation: 1969.60 Feet

Normal Pool Height: 0.00 Feet

Top Height: 82.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 6-HR PMP

Drainage Area: 2.11 Sq. Mi.

6 Hour PMP: 21.00

Time of Concentration: 0.58

12 Hour PMP: 25.50

Weighted Curve Number: 57

24 Hour PMP: 25.50

IDA Spillway Reduction:

Available Spillway Design Flow: .90 PMP

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
12/30/2024	Owner	Poor
11/1/2023	Engineer	Satisfactory
10/4/2022	Owner	Satisfactory

EAP Quick Reference

Approval Date: 03/31/2024
Expiration Date: 03/31/2030

Dam Location

Dam Address:
700 Moores Creek Road
Lexington VA, 24450

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Moore's Creek Road - 1.9 miles downstream
- Bluegrass Trail - 3.2 miles downstream
- Feather Lane - 3.5 miles downstream
- Question Mark Lane - 3.5 miles downstream
- Swink Lane - 4.1 miles downstream
- Long Beard Lane - 4.8 miles downstream
- Kygers Hill Road - 6.5 miles downstream
- Colliertown Road (VA 251) - 7.9 miles downstream
- Mateer Road - 10.4 miles downstream
- Zollmans Mill Road - 11 miles downstream
- Camp Cawthorne Lane - 11.5 miles downstream
- Plank Road - 14.5 miles downstream
- South Lee Highway - 17.0 miles downstream
- I-81 - 17.9 miles downstream
- Bunker Hill Mill road - 19.1 miles downstream
- Forge Road - 20 miles downstream

Potential Impact Structures (count):

- 57 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dams Downstream:

- 000000

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Willow Lake Dam

Hazard Classification: High, Prelim

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
Private

Type of Dam
Earth (Primary)

Inventory Number: 163004

City/County: Rockbridge County

Constructed By:

Year Constructed: 01/01/1970

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Certificate Type: Conditional 1 Year Certificate

Certificate Expiration: 03/31/2016

Days Since Last Inspection: 3728

Inundation Report: Unknown

Reservoir Purpose
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 10.00 Miles

River or Stream: MOORES CREEK

Technical Basics

Normal Pool Area: 26.00 Acres

Normal Pool Capacity: 208.00 Acre-Feet

Normal Pool Elevation: 1730.00 Feet

Normal Pool Height: 20.00 Feet

Top Surface Area: 34.00 Acres

Top Capacity: 363.00 Acre-Feet

Top Elevation: 1736.00 Feet

Top Height: 26.30 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

6 Hour PMP: 0.00

12 Hour PMP: 0.00

24 Hour PMP: 0.00

Drainage Area: 2.00 Sq. Mi.

Time of Concentration:

Weighted Curve Number:

IDA Spillway Reduction:

Available Spillway Design Flow: .03 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
6/26/2015	Engineer	
4/27/2006	Engineer	
5/28/1981	Owner	Not Rated

EAP Quick Reference

Approval Date: 05/01/2006
Expiration Date: 05/01/2012

Dam Location

Dam Address:
45 Parkside Drive
Raphine VA, 24472

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- VA-794 - 0.55 miles downstream
- US-11 - 0.67 miles downstream
- VA-706 - 201 miles downstream

Dams Downstream:

- 000000

Potential Impact Structures (count):

- 7 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Turner Pond Dam

Inventory Number: 163007

Hazard Classification: High

City/County: Rockbridge County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1947

DCR Dam Safety Engineer

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Dam Owner:
Virginia State Parks

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 06/30/2026

Type of Dam
Earth (Primary)

Days Since Last Inspection: 756

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates
Controlled	1.00	Riser Structure - Circular Ductile Iron
Controlled	1.00	Outfall Pipe - Circular Ductile Iron
None (Auxiliary)	.00	None

Watershed

Nearest City:

Nearest City Distance: 1.00 Miles

River or Stream: TR-CEDAR CREEK

Technical Basics

Normal Pool Area: 8.25 Acres

Top Surface Area: 9.42 Acres

Normal Pool Capacity: 112.20 Acre-Feet

Top Capacity: 130.30 Acre-Feet

Normal Pool Elevation: 1249.20 Feet

Top Elevation: 1252.00 Feet

Normal Pool Height: 23.50 Feet

Top Height: 42.30 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 6-HR PMP

6 Hour PMP: 20.20

12 Hour PMP: 24.80

24 Hour PMP: 24.80

Available Spillway Design Flow: .29 PMF

Drainage Area: 0.33 Sq. Mi.

Time of Concentration: 54.10

Weighted Curve Number: 56

IDA Spillway Reduction:

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
8/15/2023	Engineer	Poor
3/17/2017	Engineer	Poor
6/10/2015	DCR Regional Engineer (PE)	Not Rated

EAP Quick Reference

Approval Date: 05/17/2019

Expiration Date: 05/31/2025

Dam Location

Dam Address:
15 Appledore Lane
Natural Bridge VA, 24578

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- US Route 11 (S Lee Highway) - 1 miles downstream
- SC-608 N (Shafer Lane) - 2 miles downstream
- SC-708N (Gilmore Mill Road) - 3 miles downstream
- CSX RailRoad - 4 miles downstream

Dams Downstream:

- 163013

Potential Impact Structures (count):

- 12 Homes
- 5 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Natural Bridge Dam # 5

Inventory Number: 163013

Hazard Classification: High

City/County: Rockbridge County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1900

DCR Dam Safety Engineer

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Dam Owner:
Virginia State Parks

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 01/31/2025

Type of Dam
Concrete (Primary)

Days Since Last Inspection: 756

Inundation Report: Unknown

Reservoir Purpose
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates
Uncontrolled	47.00	Concrete Spillway - Ogee
None (Auxiliary)	.00	None

Watershed

Nearest City: Natural Bridge

Nearest City Distance: 0.50 Miles

River or Stream: Cedar Creek - VAHU6 JU59 Cedar Creek - Spring Gap Creek

Technical Basics

Normal Pool Area: 0.59 Acres

Top Surface Area: 0.00 Acres

Normal Pool Capacity: 60.90 Acre-Feet

Top Capacity: 66.50 Acre-Feet

Normal Pool Elevation: 943.00 Feet

Top Elevation: 944.80 Feet

Normal Pool Height: 33.60 Feet

Top Height: 35.40 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 12-HR PMP

Drainage Area: 15.40 Sq. Mi.

6 Hour PMP: 18.70

Time of Concentration: 133.80

12 Hour PMP: 23.70

Weighted Curve Number: 59

24 Hour PMP: 23.70

IDA Spillway Reduction:

Available Spillway Design Flow: .13 PMP

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
8/15/2023	Engineer	Poor
11/16/2018	Engineer	Poor
12/6/2017	Engineer	Not Rated

EAP Quick Reference

Approval Date: 02/06/2019
Expiration Date: 02/28/2025

Dam Location

Dam Address:

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Lower North River # 80

Hazard Classification: High

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
Shenandoah Valley SWCD

Type of Dam
Earth (Primary)

Inventory Number: 165001

City/County: Rockingham County

Constructed By:

Year Constructed: 01/01/1967

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 03/31/2024

Days Since Last Inspection: 153

Inundation Report: 05/16/2022

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 4.00 Miles

River or Stream: Union Springs Run

Technical Basics

Normal Pool Area: 23.30 Acres

Normal Pool Capacity: 462.00 Acre-Feet

Normal Pool Elevation: 1582.00 Feet

Normal Pool Height: 56.00 Feet

Top Surface Area: 51.00 Acres

Top Capacity: 1345.00 Acre-Feet

Top Elevation: 1607.00 Feet

Top Height: 81.70 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 12-HR PMP

6 Hour PMP: 20.60

12 Hour PMP: 22.80

24 Hour PMP: 23.00

Drainage Area: 5.20 Sq. Mi.

Time of Concentration:

Weighted Curve Number:

IDA Spillway Reduction:

Available Spillway Design Flow: .90 PMP **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/9/2025	Owner	Fair
4/10/2024	Owner	Fair
4/5/2023	Owner	Fair

EAP Quick Reference

Approval Date: 07/01/2003
Expiration Date: 07/01/2009

Dam Location

Dam Address:
10547 Union Springs Road
Dayton VA, 22821

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Rte-613 - 8 miles downstream
- Rte-752 - 14 miles downstream
- Rte-748 - 16 miles downstream
- Rte-42 - 30 miles downstream

Dams Downstream:

Potential Impact Structures (count):

- 200 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Lower North River # 78

Hazard Classification: High

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
Shenandoah Valley SWCD

Type of Dam
Earth (Primary)

Inventory Number: 165002

City/County: Rockingham County

Constructed By:

Year Constructed: 01/01/1968

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 03/31/2024

Days Since Last Inspection: 153

Inundation Report: 02/09/2022

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 5.00 Miles

River or Stream: Briery Branch

Technical Basics

Normal Pool Area: 32.20 Acres

Normal Pool Capacity: 629.00 Acre-Feet

Normal Pool Elevation: 2017.00 Feet

Normal Pool Height: 50.00 Feet

Top Surface Area: 65.00 Acres

Top Capacity: 2550.00 Acre-Feet

Top Elevation: 2056.00 Feet

Top Height: 89.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 12-HR PMP

6 Hour PMP: 20.10

12 Hour PMP: 23.00

24 Hour PMP: 23.00

Drainage Area: 9.40 Sq. Mi.

Time of Concentration:

Weighted Curve Number:

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/9/2025	Owner	Fair
4/10/2024	Owner	Fair
4/5/2023	Owner	Fair

EAP Quick Reference

Approval Date: 07/11/2003
Expiration Date: 07/11/2009

Dam Location

Dam Address:
10071 Briery Branch Road
Dayton VA, 22821

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- VA-924 (runs parallel to dam) - 0 miles downstream
- Unnumbered Rd - 2.2 miles downstream
- VA-731 - 5.6 miles downstream
- VA-755 - 6.9 miles downstream
- VA-613 - 8.6 miles downstream
- VA-752 - 9.5 miles downstream

Dams Downstream:

- 000000

Potential Impact Structures (count):

- 0 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Lower North River # 83

Hazard Classification: High

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
Shenandoah Valley SWCD

Type of Dam
Earth (Primary)

Inventory Number: 165003

City/County: Rockingham County

Constructed By:

Year Constructed: 01/01/1968

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 09/30/2024

Days Since Last Inspection: 153

Inundation Report: 03/01/2022

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 5.00 Miles

River or Stream: Hone Quarry Run

Technical Basics

Normal Pool Area: 5.50 Acres

Normal Pool Capacity: 63.00 Acre-Feet

Normal Pool Elevation: 1994.00 Feet

Normal Pool Height: 24.00 Feet

Top Surface Area: 47.00 Acres

Top Capacity: 1680.00 Acre-Feet

Top Elevation: 2063.00 Feet

Top Height: 93.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 12-HR PMP

6 Hour PMP: 20.50

12 Hour PMP: 23.30

24 Hour PMP: 23.30

Drainage Area: 8.00 Sq. Mi.

Time of Concentration:

Weighted Curve Number:

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/9/2025	Owner	Fair
4/10/2024	Owner	Fair
4/5/2023	Owner	Satisfactory

EAP Quick Reference

Approval Date: 02/26/2007
Expiration Date: 02/26/2013

Dam Location

Dam Address:
Hone Quarry Road
Dayton VA, 22821

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Briery Branch Rd (Rte 257) - 2.7 miles downstream
- Community Center Rd (Rte 731) - 5.4 miles downstream
- Lambert Town Road (Rte 755) - 6.8 miles downstream
- Spring Creek Rd (Rte. 613) - 8.5 miles downstream
- Beaver Creek Road (Rte 752) - 9.4 miles downstream
- Thomas Spring Road (Rte 748) - 10.3 miles downstream
- South Main St (Rte 42) - 15.7 miles downstream
- Airport Road (Rte 727) - 19 miles downstream
- Lee Highway (Rte 11) - 20.4 miles downstream
- Cross Keys Road (Rte 276) - 28.3 miles downstream

Potential Impact Structures (count):

- 300 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Lower North River # 22B

Hazard Classification: High

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
Shenandoah Valley SWCD

Type of Dam
Earth (Primary)

Inventory Number: 165004

City/County: Rockingham County

Constructed By:

Year Constructed: 01/01/1970

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 03/31/2024

Days Since Last Inspection: 153

Inundation Report: 11/09/2012

Reservoir Purpose
Flood Control or storm water management (Primary)
Water Supply (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 5.00 Miles

River or Stream: Dry Run

Technical Basics

Normal Pool Area: 8.00 Acres

Top Surface Area: 29.00 Acres

Normal Pool Capacity: 40.00 Acre-Feet

Top Capacity: 795.00 Acre-Feet

Normal Pool Elevation: 1969.00 Feet

Top Elevation: 2015.00 Feet

Normal Pool Height: 34.00 Feet

Top Height: 79.60 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 6-HR PMP

Drainage Area: 4.30 Sq. Mi.

6 Hour PMP: 21.50

Time of Concentration:

12 Hour PMP: 24.30

Weighted Curve Number:

24 Hour PMP: 24.30

IDA Spillway Reduction:

Available Spillway Design Flow: .59 PMF

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/9/2025	Owner	Fair
4/10/2024	Owner	Fair
4/5/2023	Owner	Fair

EAP Quick Reference

Approval Date: 12/16/2004
Expiration Date: 12/16/2010

Dam Location

Dam Address:
16882 Rawley Pike
Hinton VA, 22821

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Lake Shenandoah Dam (1956)

Inventory Number: 165005

Hazard Classification: High

City/County: Rockingham County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1956

DCR Dam Safety Engineer

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Dam Owner:
VA Dept. of Wildlife Resources

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 02/28/2026

Type of Dam
Earth (Primary)

Days Since Last Inspection: 469

Inundation Report: 06/27/2011

Reservoir Purpose
Recreation (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City: Harrisonburg

Nearest City Distance: 4.28 Miles

River or Stream: Congers Run - VAHU6 PS26 North River - Mill Creek

Technical Basics

Normal Pool Area: 36.00 Acres

Top Surface Area: 59.00 Acres

Normal Pool Capacity: 360.00 Acre-Feet

Top Capacity: 720.00 Acre-Feet

Normal Pool Elevation: 100.00 Feet

Top Elevation: 106.00 Feet

Normal Pool Height: 26.00 Feet

Top Height: 31.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

Drainage Area: 4.50 Sq. Mi.

6 Hour PMP: 0.00

Time of Concentration:

12 Hour PMP: 0.00

Weighted Curve Number:

24 Hour PMP: 0.00

IDA Spillway Reduction:

Available Spillway Design Flow: .53 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
5/28/2024	Engineer	Poor
5/9/2023	Owner	Poor
4/8/2022	Engineer	Poor

EAP Quick Reference

Approval Date: 02/01/2024
Expiration Date: 02/01/2030

Dam Location

Dam Address:
1939 Massanetta Springs Road
Harrisonburg VA, 22801

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- Rt. 276 - 0.71 miles downstream
- Rt. 674 - 1.90 miles downstream
- Rt. 708 - 3.33 miles downstream
- Rt. 676 - 3.34 miles downstream
- Rt. 672 - 4.64 miles downstream
- Rt. 253 - 5.05 miles downstream
- Rt. 671 - 5.72 miles downstream

Dams Downstream:

- 000000

Potential Impact Structures (count):

- 4 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Lower North River # 81C

Inventory Number: 165006

Hazard Classification: High

City/County: Rockingham County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1975

DCR Dam Safety Engineer

Size Classification: Large (>=50,000 ac. ft., >=100')

Dam Owner:

Certificate Type: Conditional 2 Year Certificate

City of Harrisonburg

Certificate Expiration: 02/28/2026

Days Since Last Inspection: 153

Inundation Report: 07/19/2013

Type of Dam
Earth (Primary)

Reservoir Purpose
Flood Control or storm water management (Primary)
Water Supply (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 0.00 Miles

River or Stream: Skidmore Fork

Technical Basics

Normal Pool Area: 119.00 Acres

Top Surface Area: 190.00 Acres

Normal Pool Capacity: 4852.00 Acre-Feet

Top Capacity: 10357.00 Acre-Feet

Normal Pool Elevation: 2272.00 Feet

Top Elevation: 2309.00 Feet

Normal Pool Height: 106.00 Feet

Top Height: 143.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 24-HR PMP

Drainage Area: 14.70 Sq. Mi.

6 Hour PMP: 19.90

Time of Concentration:

12 Hour PMP: 22.90

Weighted Curve Number:

24 Hour PMP: 22.90

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/9/2025	Owner	Satisfactory
4/10/2024	Owner	Satisfactory
8/31/2023	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 08/27/2008
Expiration Date: 08/27/2014

Dam Location

Dam Address:
Switzer Lake
Switzer Lake Road
Central VA, 22831

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- VA 33 - 1.5 miles downstream
- VA 732 - 8.9 miles downstream
- VA 613 - 11.7 miles downstream

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Lower North River # 82

Hazard Classification: High

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
Shenandoah Valley SWCD

Type of Dam
Earth (Primary)

Inventory Number: 165007

City/County: Rockingham County

Constructed By:

Year Constructed: 01/01/1980

Size Classification: Large (>=50,000 ac. ft., >=100')

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 09/30/2024

Days Since Last Inspection: 153

Inundation Report: 06/30/2022

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 6.00 Miles

River or Stream: Dry River

Technical Basics

Normal Pool Area: 15.00 Acres

Normal Pool Capacity: 120.00 Acre-Feet

Normal Pool Elevation: 2151.00 Feet

Normal Pool Height: 29.00 Feet

Top Surface Area: 117.00 Acres

Top Capacity: 5780.00 Acre-Feet

Top Elevation: 2236.00 Feet

Top Height: 113.80 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 6-HR PMP

6 Hour PMP: 19.90

12 Hour PMP: 23.30

24 Hour PMP: 23.30

Drainage Area: 18.70 Sq. Mi.

Time of Concentration:

Weighted Curve Number:

IDA Spillway Reduction:

Available Spillway Design Flow: .90 PMP **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/9/2025	Owner	Fair
4/10/2024	Owner	Fair
4/5/2023	Owner	Fair

EAP Quick Reference

Approval Date: 02/26/2007
Expiration Date: 02/26/2013

Dam Location

Dam Address:
2067 Laurel Wood Lane
Hinton VA, 22831

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Shoemaker River # 1A

Hazard Classification: High

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
Shenandoah Valley SWCD

Type of Dam
Earth (Primary)

Inventory Number: 165009

City/County: Rockingham County

Constructed By:

Year Constructed: 01/01/1980

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 03/31/2024

Days Since Last Inspection: 155

Inundation Report: 04/01/2010

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 0.00 Miles

River or Stream: Shoemaker River

Technical Basics

Normal Pool Area: 8.30 Acres

Normal Pool Capacity: 72.00 Acre-Feet

Normal Pool Elevation: 1572.00 Feet

Normal Pool Height: 24.00 Feet

Top Surface Area: 27.00 Acres

Top Capacity: 544.00 Acre-Feet

Top Elevation: 1660.00 Feet

Top Height: 52.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: Unknown

6 Hour PMP: 21.50

12 Hour PMP: 23.40

24 Hour PMP: 24.20

Drainage Area: 1.79 Sq. Mi.

Time of Concentration:

Weighted Curve Number:

IDA Spillway Reduction:

Available Spillway Design Flow: .94 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/7/2025	Owner	Satisfactory
4/8/2024	Owner	Satisfactory
4/4/2023	Owner	Satisfactory

EAP Quick Reference

Approval Date: 07/01/2003
Expiration Date: 07/01/2009

Dam Location

Dam Address:
7200 Hopkins Gap Road
Fulks Run VA, 22830

E911 Direction to Dam:
Dam is located off Northwoods Hollow, behind compound at E911 address.

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Shoemaker River # 4C

Hazard Classification: High

Designed By:

Regional Engineer:

DCR Dam Safety Engineer

Dam Owner:
Shenandoah Valley SWCD

Type of Dam
Earth (Primary)

Inventory Number: 165010

City/County: Rockingham County

Constructed By:

Year Constructed: 01/01/1984

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 03/31/2024

Days Since Last Inspection: 155

Inundation Report: 10/17/2024

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 0.00 Miles

River or Stream: Slate Lick Creek

Technical Basics

Normal Pool Area: 22.00 Acres

Normal Pool Capacity: 234.00 Acre-Feet

Normal Pool Elevation: 1460.00 Feet

Normal Pool Height: 40.00 Feet

Top Surface Area: 68.00 Acres

Top Capacity: 2159.00 Acre-Feet

Top Elevation: 1506.00 Feet

Top Height: 86.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 6-HR PMP

6 Hour PMP: 21.20

12 Hour PMP: 23.60

24 Hour PMP: 23.70

Drainage Area: 6.07 Sq. Mi.

Time of Concentration:

Weighted Curve Number:

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/7/2025	Owner	Fair
4/8/2024	Owner	Fair
4/4/2023	Owner	Fair

EAP Quick Reference

Approval Date: 07/01/2003
Expiration Date: 07/01/2009

Dam Location

Dam Address:
9345 Genoa Road
Fulks Run VA, 22830

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Shoemaker River # 3B

Inventory Number: 165011

Hazard Classification: High

City/County: Rockingham County

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1986

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
Shenandoah Valley SWCD

Certificate Type: Conditional 2 Year Certificate

Certificate Expiration: 03/31/2024

Type of Dam
Earth (Primary)

Days Since Last Inspection: 155

Inundation Report: Unknown

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 0.00 Miles

River or Stream: Hogpen Run

Technical Basics

Normal Pool Area: 7.00 Acres

Top Surface Area: 28.00 Acres

Normal Pool Capacity: 65.00 Acre-Feet

Top Capacity: 792.00 Acre-Feet

Normal Pool Elevation: 1513.00 Feet

Top Elevation: 1556.00 Feet

Normal Pool Height: 31.00 Feet

Top Height: 74.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP: 6-HR PMP

Drainage Area: 2.98 Sq. Mi.

6 Hour PMP: 21.80

Time of Concentration:

12 Hour PMP: 23.70

Weighted Curve Number:

24 Hour PMP: 24.40

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF **Required Spillway Design Flow**: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
4/7/2025	Owner	Fair
4/8/2024	Owner	Fair
4/4/2023	Owner	Fair

EAP Quick Reference

Approval Date: 05/28/2010
Expiration Date: 05/28/2016

Dam Location

Dam Address:
9345 Genoa Road
Fulks Run VA, 22830

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

Dams Downstream:

Potential Impact Structures (count):

- Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: Lake Shenandoah Dam (2024)

Inventory Number: 165023

Hazard Classification: High

City/County: Rockingham County

Designed By: Michael D. Wilson - Hurt and Proffitt, Inc.

Constructed By:

Regional Engineer:

DCR Dam Safety Engineer

Year Constructed: 01/01/2025

Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40')

Dam Owner:
VA Department of Wildlife Resources

Certificate Type:

Certificate Expiration:

Type of Dam
Earth (Primary)

Days Since Last Inspection:

Inundation Report: 11/14/2024

Reservoir Purpose
Other (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: Miles

River or Stream:

Technical Basics

Normal Pool Area: 26.80 Acres

Top Surface Area: 40.84 Acres

Normal Pool Capacity: 193.40 Acre-Feet

Top Capacity: 418.00 Acre-Feet

Normal Pool Elevation: 1291.50 Feet

Top Elevation: 1298.00 Feet

Normal Pool Height: 0.00 Feet

Top Height: 22.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP:

Drainage Area: Sq. Mi.

6 Hour PMP:

Time of Concentration:

12 Hour PMP:

Weighted Curve Number:

24 Hour PMP:

IDA Spillway Reduction:

Available Spillway Design Flow:

Required Spillway Design Flow:

Inspections (Last 3 Max)

Date	Type	Condition

EAP Quick Reference

Approval Date: 11/14/2024
Expiration Date: 11/14/2026

Dam Location

Dam Address:
1939 Massanetta Springs Road
*********Placeholder EAP*******
Harrisonburg VA, 22801

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 276 - 0.71 miles downstream
- 674 - 1.90 miles downstream
- 708 - 3.33 miles downstream
- 676 - 3.34 miles downstream
- 672 - 4.64 miles downstream
- 253 - 5.05 miles downstream
- 671 - 5.72 miles downstream

Dams Downstream:

- 000000

Potential Impact Structures (count):

- 4 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Safety Data Sheet

Department of Conservation and Recreation
Division of Dam Safety and Flood Plain Management
600 E Main St, Richmond, VA 23219

General

Name of Dam: South River Dam #8A

Inventory Number: 820001

Hazard Classification: High

City/County: City of Waynesboro

Designed By:

Constructed By:

Regional Engineer:

Year Constructed: 01/01/1980

DCR Dam Safety Engineer

Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100')

Dam Owner:
City of Waynesboro

Certificate Type: Regular Operation and Maintenance Certificate

Certificate Expiration: 08/06/2027

Days Since Last Inspection: 475

Type of Dam
Earth (Primary)

Inundation Report: 08/23/2012

Reservoir Purpose
Flood Control or storm water management (Primary)

Type of Spillway

Type	Width	Outlet Gates

Watershed

Nearest City:

Nearest City Distance: 0.00 Miles

River or Stream:

Technical Basics

Normal Pool Area: 7.30 Acres

Top Surface Area: 7.30 Acres

Normal Pool Capacity: 30.00 Acre-Feet

Top Capacity: 45.00 Acre-Feet

Normal Pool Elevation: 1370.00 Feet

Top Elevation: 1404.00 Feet

Normal Pool Height: 20.00 Feet

Top Height: 54.00 Feet

Technical Hydrology/Hydraulics

Controlling PMP:

Drainage Area: 2.50 Sq. Mi.

6 Hour PMP:

Time of Concentration:

12 Hour PMP:

Weighted Curve Number:

24 Hour PMP:

IDA Spillway Reduction:

Available Spillway Design Flow: 1.00 PMF

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)

Date	Type	Condition
5/22/2024	Engineer	Satisfactory
10/6/2023	Owner	Fair
11/8/2022	Engineer	Satisfactory

EAP Quick Reference

Approval Date: 09/02/2020
Expiration Date: 09/02/2026

Dam Location

Dam Address:
941 Fir Street
Waynesboro VA, 22980

E911 Direction to Dam:
PW Engineering Office

EAP Contacts

[Removed for Privacy]

Potential Impacts

Roadways Impacted:

- 250 - 0.3 miles downstream
- 340 - 1.1 miles downstream

Dams Downstream:

- 000000

Potential Impact Structures (count):

- 250 Homes
- 50 Businesses
- 0 Schools
- 0 Hospitals
- 2 Critical Infrastructure
- 2 Railroads
- 5 Utilities
- 0 Parks
- 0 Golf Courses