

A photograph of a lush green cornfield. In the background, a red barn with a blue roof is visible under a clear sky. The corn plants are tall and healthy, with some tassels beginning to emerge.

VA Agricultural BMP Tracking Program

BMPs -The Big Picture

- ▶ **Virginia's Ag BMP Program –**
Currently all Cost-Share, Tax Credit and Voluntary BMP Practices require following NRCS standards and Specifications for the necessary practice components
- ▶ Options for farmers vary;
 - 40 BMPs provide for Cost share and/or Tax Credit incentives
 - 18 BMPs provide a Tax Credit Only option
 - 11 BMPs are for CREP only projects
 - 13 BMPs are for TMDL only projects

5 Priority Areas of Ag BMPs

Virginia adopted a strategy to promote 5 well accepted and effective types of practices:

1. Winter Cover Crops
2. Conservation Tillage (no-till)
3. Development/Implementation of Nutrient Management Plans and Practices
4. Riparian (streamside) Buffers
5. Livestock Exclusion (livestock watering systems/streamside fencing)

Creditable BMPs accepted by EPA for Chesapeake Bay and TMDL Reporting

	BMP	VACS BMP
Grass/Forest buffers	Buffers Riparian Cropland	CRFR3, FR-3
	Buffers Riparian Hay	CRFR3, FR-3
	Buffers Riparian Pasture	CRFR3, FR-3
	Buffers Riparian Total	CRFR3, FR-3
	Grass Buffers Riparian Cropland	CRWQ-1, WQ-1
	Grass Buffers Riparian Hay	CRWQ-1, WQ-1
	Grass Buffers Riparian Pasture	CRWQ-1, WQ-1
	Grass Buffers Riparian Total	CRWQ-1, WQ-1
	Land Retirement Ag	SL-1, SL-1W, SL-11
	Upland Tree Planting Ag	FR-1
	Wetland Restoration	CRWQ-6B, WQ-6B

Creditable BMPs accepted by EPA for Chesapeake Bay and TMDL Reporting

	BMP	VACS BMP
Conservation tillage	Continuous No-Till	SL-15A, CCI-CNT
	Conservation Till (excluding CNT acres)	NA
	Cover Crop Standard planting Specialty Crop	SL-8
Cover crops	Cover Crop Standard planting	SL-8B
	Cover Crop Early planting	SL-8B
	Commodity Cover Crop Early planting	SL-8H
Stream exclusion	Stream Access Control with Fencing	CRWP-2, WP-2, WP-2T
	Alternative Water Pasture	SL-6B
	Stream Access Control with Fencing & Prescribed Grazing Pasture	CRSL-6, SL-6

Creditable BMPs accepted by EPA for Chesapeake Bay and TMDL Reporting

	BMP	VACS BMP
Nutrient management	Animal Waste Management System	WP-4
	Barnyard Runoff Controls/Loafing Management	WP-4B
	Nutrient Management Specialty Crops	NM-1
	Nutrient Management Cropland	NM-1
	Nutrient Management Hay	NM-1
	Nutrient Management Pasture	NM-1
	Nutrient Management Ag Total	NM-1
	Non Urban Stream Restoration (lin. ft)	WP-2A, WP-2C
	Mortality Composters	WP-4C
	Water Control Structures	WQ-5

Creditable BMPs accepted by EPA for Chesapeake Bay and TMDL Reporting

BMP	VACS BMP
Horse Pasture Management	SL-6A
Harvesting Practices	FR-4
Conservation Plan Cropland	NA
Conservation Plan Hay	NA
Conservation Plan Pasture	NA
Poultry Litter Transport	NA
Phytase (Poultry and Swine)	NA
Dairy Precision Feeding and Forage Management	NA
Carbon Sequestration/Alternative Crops	NA
Decision /Precision Agriculture	NA
Enhanced Nutrient Management	NA
Ammonia Emissions Reduction	NA
Liquid Manure Injection	NA
Poultry Litter Injection	NA
Urban Erosion & Sediment Controls	NA
Cropland Irrigation Management	NA
Cropland Drainage Phosphorus-sorbing Materials (PSMs)	NA
Mortality Incinerators	WP-4F
Vegetative Environmental Buffers (VEB)	NA

Ag BMP Tracking Program

District: SHENANDOAH VALLEY Program Year: 2014

Welcome to the Best Management Practices Tracking Program. Please send all errors, comments, concerns and suggestions to [Stephanie Martin](#) at DCR.

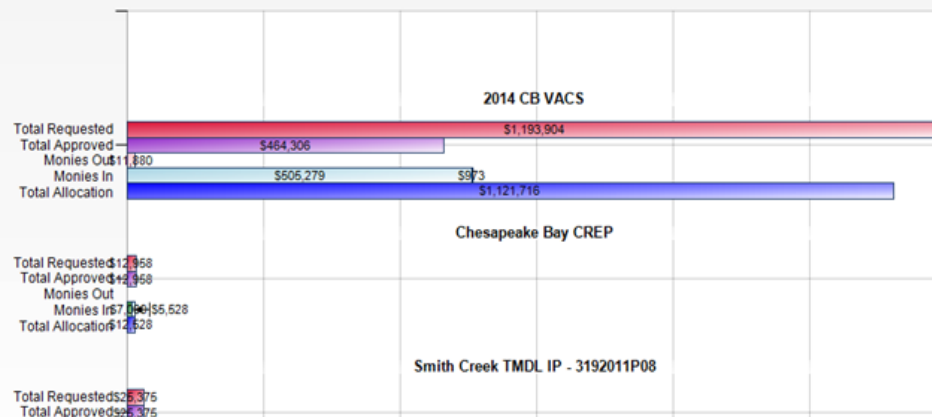
Recent Contracts

[view all](#) | [new contract](#) | [new multi-instance contract](#)

Number	Participant	Contract Years
09-14-0037	Stacy L Wilkins	1
09-14-0052	Charles Lam	1
09-14-0004	Roger W Houser	1
09-14-0174	Allen Shank	1
09-14-0151	Mountain Breeze Farm, Inc.	1
09-14-0146	Bernard Yancey	1
09-14-0158	Kevin Armentrout	1
09-14-0173	Faraway Farms Inc	1
09-14-0106	J. Chadwick McMurray	1
09-14-0166	Turley Creek Farm	1

Budget Type: Cost Share View Budgets By: Program Year

Requested Paid Cash Transfers Out Misc Debits Disbursements Cash Transfers In Misc Credits Allocations Approved



[Main](#)[Administration](#)[Reports](#)[Support](#)[My Account](#)[Logout](#)[Dashboard](#) > New Contract[1. Basic Information](#)**[2. Contract Type](#)**[3. Participant](#)[4. Participant Address](#)

Step 2: Contract Type

Contract Type: << Select Contract Type >>

- << Select Contract Type >>
- Cost Share: 1 year(s)
- Contractual: 3 year(s)
- Tax Credit Only: 1 year(s)
- Voluntary: 1 year(s)

Next >>

https://dswcapps.dcr.virginia.gov/BMPTacking/Home/bmp/NewContract.aspx

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Virginia Department of Conservation & Recreation

Main Administration Reports Support My Account Logout

Dashboard > New Contract

1. Basic Information 2. Contract Type **3. Participant** 4. Participant Address

Step 3: Participant

Search for an existing participant by entering all or part of their first name, last name, tax ID or social security number.

Joe Schmoe : ***-**-2345 Change

OR

Create New Participant

<< Previous Next >>

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https://dswcapps.dcr.virginia.gov/BMPTacking/Home/bmp/Contract.aspx?id=33458

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Contract

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Dashboard > Contracts > 50-11-0029

Contract #: 50-11-0029
Contract Type: Voluntary: 1 payment(s)
District: Demo District

Participant: Joe Schmoe
SSN / Tax ID: ***-**-2345

Participant Address: 123 Main St
Culpeper, VA 22456
Phone: (540) 123-4567

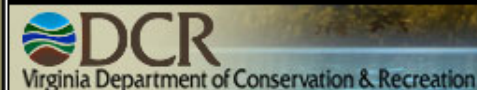
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[Comments](#)
[Forms](#)
[Participant Contracts](#)

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Participant: Joe Schmoe
Contract #: [50-11-0029](#)
Practice: SL-6: Stream Exclusion With Grazing Land Management
Fields: none
Acres in Practice: 0.00

[General](#)[Farms And Fields](#)[Measurements](#)[Maps](#)[Programs](#)[CEF](#)[Spot Checks](#)[Form Letters](#)

Save BMP

Fields currently assigned to the instance.

Search for new fields to add to the instance.

☒ Participant: Joe Schmoe

OR

☐ County Farm FSA Number: Tract FSA Number:

Search

[new farm](#)☐ Farm: 300 [new tract](#)☐ Tract: 1 [new field](#)☐ Field: 2 of 50 acres☐ Field: 5 of 30 acres☐ Tract: 1250 [new field](#)☒ Field: 1 of 50 acres

Add Checked Fields

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Convert Select

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Dashboard > Contracts > 50-11-0029 > SL-6 (ID: 125150)

Participant: Joe Schmoe
Contract #: 50-11-0029
Practice: SL-6: Stream Exclusion With Grazing Land Management
Fields: none
Acres in Practice: 0.00

General
Farms And Fields
Measurements
Maps
Programs
CEF
Spot Checks
Form Letters

Save BMP

Extent Requested	Contract Year 1
Length of streambank protection requested (Lin. Feet)	<input type="text"/>
Number of primary animals for requested BMP (Count)	<input type="text"/>
Primary animal type for requested BMP (Animal Type)	<< Select One >>
Number of secondary animals for requested BMP (Count)	<input type="text"/>
Secondary animal type for requested BMP (Animal Type)	<< Select One >>
Number of tertiary animals for requested BMP (Count)	<input type="text"/>
Tertiary animal type for requested BMP (Animal Type)	<< Select One >>

Acres Benefitted	Contract Year 1
Area where grazing is improved & stream bank protected (Acres)	<input type="text"/>
Buffer area (Acres)	<input type="text"/>

Done

Local intranet 100%

Measurements

- [Maps](#)
- [Programs](#)
- [CEF](#)
- [Spot Checks](#)
- [Form Letters](#)

Save BMP

Number of primary animals for requested BMP (Count)	<input type="text"/>
Primary animal type for requested BMP (Animal Type)	<< Select One >>
Number of secondary animals for requested BMP (Count)	<input type="text"/>
Secondary animal type for requested BMP (Animal Type)	<< Select One >>
Number of tertiary animals for requested BMP (Count)	<input type="text"/>
Tertiary animal type for requested BMP (Animal Type)	<< Select One >>

Acres Benefitted	Contract Year 1
Area where grazing is improved & stream bank protected (Acres)	<input type="text"/>
Buffer area (Acres)	<input type="text"/>

Erosion Reduction	Contract Year 1
Sheet/Rill Erosion Reduction (Tons per Acre per Year)	<input type="text"/>
Gross/Gully Erosion Reduction (Tons per Year)	<input type="text"/>

Extent Authorized	Contract Year 1
Length of streambank protection authorized (Lin. Feet)	<input type="text"/>

Extent Installed	Contract Year 1
Average buffer width (Lin. Feet)	<input type="text"/>
Length of streambank protected (Lin. Feet)	<input type="text"/>
Number of alternative water systems installed (Count)	<input type="text"/>

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Dashboard > Contracts > 50-11-0029 > SL-6 (ID: 125150)

Participant: Joe Schmoe

Contract #: 50-11-0029

Practice: SL-6: Stream Exclusion With Grazing Land Management

Fields: none

Acres in Practice: 0.00

General

Farms And Fields

Measurements

Maps

Programs

CEF

Spot Checks

Form Letters

Save BMP

This practice requires a map.

Distance to Stream: 20.00

Relief to Stream:

Latitude:

Longitude:

Hydrologic Unit:

Hydrologic Unit Priority:

Topo Map:

TMDL:

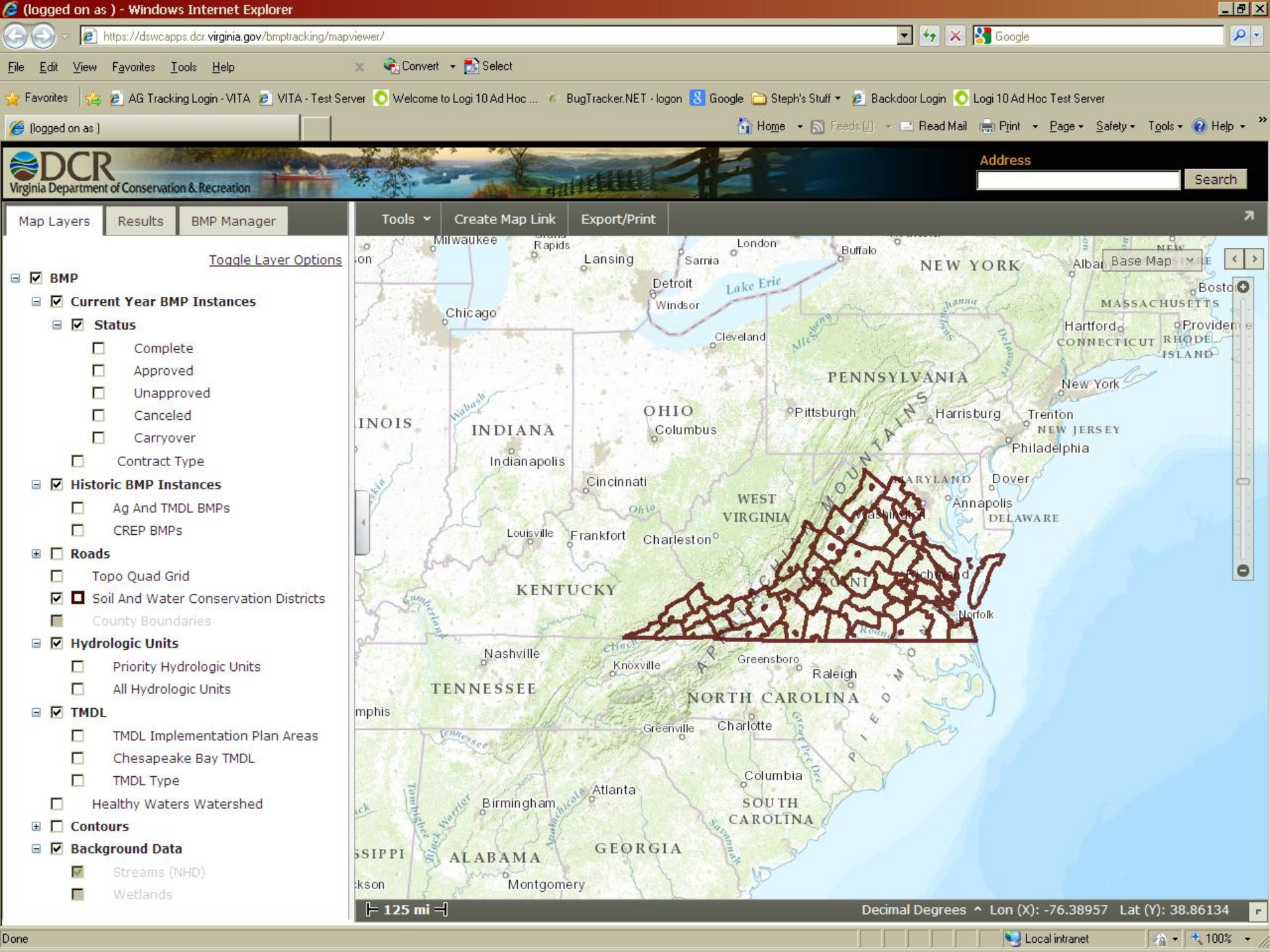
Map It

Copy Map Data

Saved Map Images

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100%











Map Layers Results **BMP Manager**

Tools ▾ Create Map Link Export/Print



- ☐ Unapproved
- ☐ Canceled
- ☐ Carryover
- ☐ Contract Type
- ☒ **Historic BMP Instances**
 - ☒  Ag And TMDL BMPs
 - ☐ CREP BMPs
- ☒ **Roads**
 - ☒ Roads (800,000)
 - ☒ Roads (200,000)
 -  Interstate
 -  Primary Highway
 -  Secondary
 - ☒ Roads (24,000)
 - ☒ Roads (12,000)
 - ☐ Topo Quad Grid
 - ☒  Soil And Water Conservation Districts
 - ☐ County Boundaries
- ☒ **Hydrologic Units**
 - ☐ Priority Hydrologic Units
 - ☐ All Hydrologic Units
- ☒ **TMDL**
 - ☐ TMDL Implementation Plan Areas
 - ☐ Chesapeake Bay TMDL
 - ☐ TMDL Type
 - ☐ Healthy Waters Watershed
- ☒ **Contours**
- ☒ **Background Data**
 - ☒  Streams (NHD)
 - ☐ Wetlands





Virginia Department of Conservation & Recreation

Address Contract Number

Address Search

Map Layers

Results

Active Tools

Tools

Export

Bookmarks

BMP Spatial Manager

BMP Spatial Manager



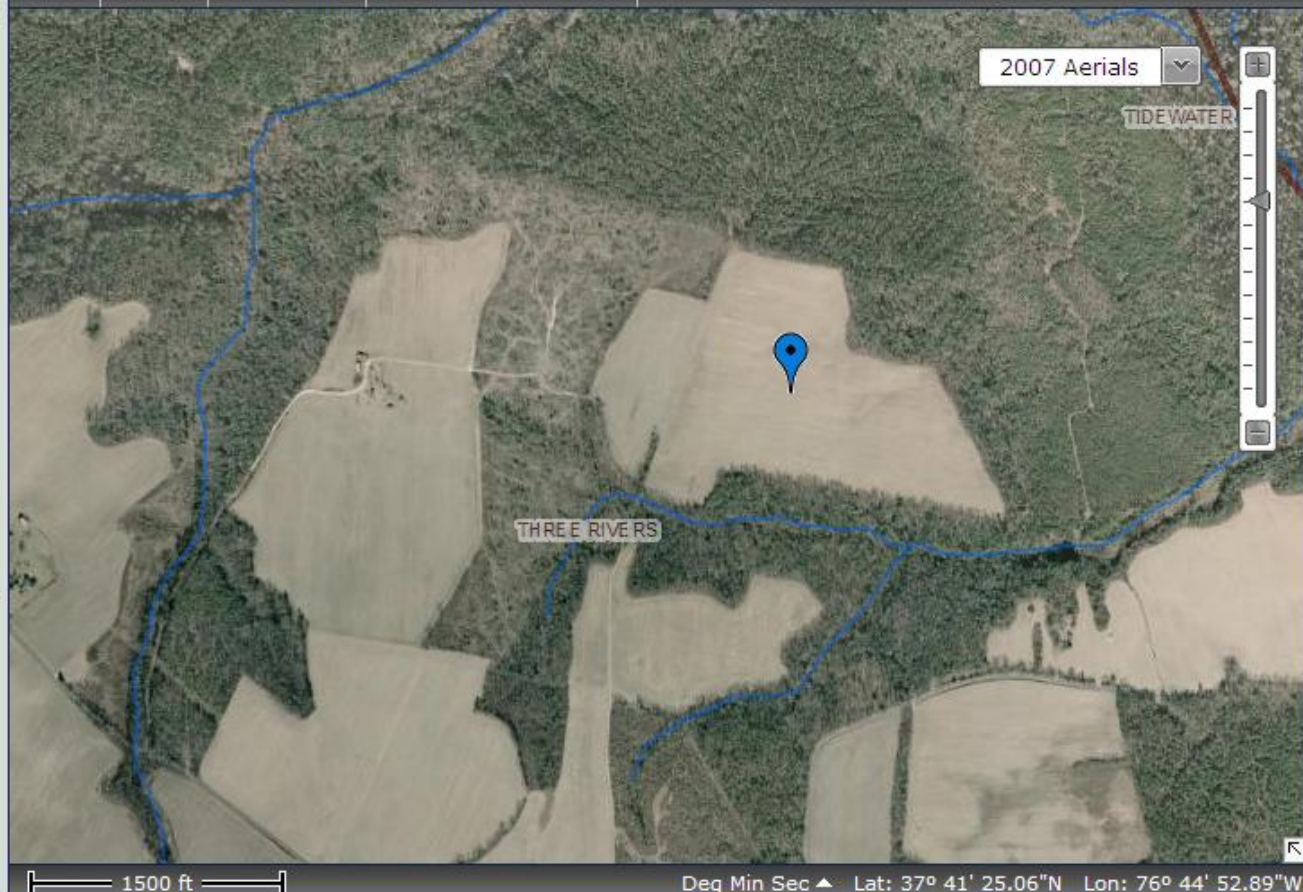
BMP Instance ID: 125150

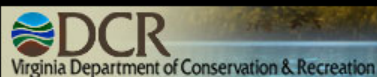
Zoom To Instance ID: GO

Location

Latitude: 37.690295
Longitude: -76.748026
Hydrologic Unit: CB08
Hydrologic Unit Priority: Low
Topo: CHURCH VIEW
TMDL: 2

Save Cancel



[Main](#)[Administration](#)[Reports](#)[Support](#)[My Account](#)[Logout](#)[Dashboard](#) > [Contracts](#) > [43-14-0098](#) > SL-6 (ID: 171151)**Participant:****Contract #:**[43-14-0098](#)**Practice:**

SL-6: Stream Exclusion With Grazing Land Management

Fields:

2230 - 1271 - 7,4,5,9,8...

Acres in Practice: 34.60[General](#)[Farms And Fields](#)[Measurements](#)[Maps](#)[Programs](#)[CEF](#)[Spot Checks](#)[Form Letters](#)[Payments](#)[Related Instances](#)[Save BMP](#)

Distance to Stream: 800.80
Relief to Stream: 14.60
Latitude: 37.8234329223633
Longitude: -77.02685546875
Hydrologic Unit: Y054
Hydrologic Unit Priority: Medium
Topo Map: AYLETT
TMDL: 3

[Map It](#)[Copy Map Data](#)

Saved Map Images

[Delete](#)[Delete](#)

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https://dswcapps.dcr.virginia.gov/mapviewer/?bmpinstanceid=125150#

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Virginia BMP Mapping System Home Feeds (J) Read Mail Print Page Safety Tools Help

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Address Contract Number

Address Search

Map Layers Results Active Tools

- ☒ Roads (200,000)
- ☒ Roads (24,000)
- ☒ Roads (12,000)
- ☐ Topo Quad Grid
- ☒ Soil and Water Conservation Districts
- ☐ County Boundaries
- ☒ **Hydrologic Units**
 - ☐ Priority Hydrologic Units
 - ☐ All Hydrologic Units
- ☐ **TMDL**
 - ☐ TMDL Implementation Plan Areas
 - ☐ Chesapeake Bay TMDL
 - ☐ TMDL Type
- ☐ Healthy Waters Watershed
- ☐ **Contours**
 - ☒ 20 Meter
 - ☒ 10 Meter
- ☒ **Background Data**
 - ☒ Streams (NHD)
 - ☐ Wetlands

Transparency: 50%

Tools Export Bookmarks BMP Spatial Manager

2007 Aerials

THRE E RIVERS

2500 ft

Deg Min Sec Lat: 37° 41' 23.37"N Lon: 76° 45' 32.45"W

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Virginia BMP Mapping System - Windows Internet Explorer

https://dswcapps.dcr.virginia.gov/mapviewer/?bmpinstanceid=125150#

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Convert Select

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Virginia BMP Mapping System

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Address Contract Number

Address Search

Map Layers Results Active Tools

Tools Export Bookmarks BMP Spatial Manager

☒ **Current Year BMP Instances**

☒ **Status**

☐ Complete

☐ Approved

☐ Unapproved

☐ Canceled

☐ Carryover

☐ Contract Type

☒ **Historic BMP Instances**

☐ Ag and TMDL BMPs

☐ CREP BMPs

☐ **Roads**

☒ Roads (800,000)

☒ Roads (200,000)

☒ Roads (24,000)

☒ Roads (12,000)

☐ Topo Quad Grid

☒ Soil and Water Conservation Districts

☐ County Boundaries

☒ **Hydrologic Units**

Transparency: 50%

2007 Aerials

THREE RIVERS

2500 ft

Deg Min Sec Lat: 37° 41' 11.18"N Lon: 76° 44' 56.07"W

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Done, but with errors on page.

Summary

- ▶ VA has a robust web-based BMP recording and tracking system in place, used by all 47 districts
- ▶ VA now has a voluntary BMP capture “Strategy”
- ▶ Ag conservation actions can be recognized & rewarded; BMPs accredited
- ▶ These collective actions lead to a better understanding of ag conservation across the landscape
- ▶ “Capturing” all practices(Cost-Share and Voluntary) may reduce projected implementation costs to meet goals

