STREAM ID S-B2	STREAM NAME UNT to Little Cherrystone Creek
<b>LAT</b> 36.849493 <b>LONG</b> -79.377758	<b>DATE</b> 03/31/2015
PROJECT NAME MVP	CLIENT MVP
INVESTIGATORS C. Ansari, J. Rodriguez	, M. Whitten
FLOW REGIME	WATER TYPE
Perennial Intermittent ✓ Ephemeral	TNW RPW ✓ NRPW

CHANNEL FEATURES  Estimate Measurements Top of Bank Width: 5 ft Top of Bank Height:  LB 5 ft RB 5  Water Depth: 5.00 in  Water Width: 4 ft  High Water Mark: 5 ft		<u>ft</u>		No Medium HighSevere		
FLOW CHARACTERISTICS  No wate Stream Standin Flowing Velocity		No water, stream bed dry Stream bed moist Standing water Flowing water elocity Fast Moderate		(0.5/100 ft (2 ft/100 ft)  Proportion of Reach Repre Morphology Types Riffle % Run Pool %  Turbidity Clear Slightly ft Opaque Stained Other	% turbidTurbid	
INOR		STRATE CO		ORGANIC SUBSTRATE COMPONENTS		
0.1.1.1	(snould a	add up to 100	· ·	(does not necessarily add up to 100%)		
Substrate Type	Diame	ter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock			0	Detritus	sticks, wood, coarse	
Boulder	> 256	mm (10")	0	Detrituo	plant materials (CPOM)	60
Cobble	64-256 m	m (2.5"-10")	0	Muck-Mud	black, very fine organic	0
Gravel		า (0.1"-2.5")	0		(FPOM)	U
Sand	0.06-2r	nm (gritty)	70			0
Silt		0.06 mm	20	Marl	grey, shell fragments	
Clay	< 0.004	mm (slick)	10			
WATERSHED FEATURES  WATERSHED Canopy		✓ Forest	Cover open _√_Partly shaded		Indicate the dominant type Trees Shrubs Grasses	
AQUATIC VEGETATION  Indicate the dominant type and Rooted emergent Floating algae		d record the or Rooted submon Attached alga	ergentRooted float	ingFree floating		

MACROINVERTEBRATES OR OTHER WILDLIFE OBSERVED/OTHER OBSERVATIONS AND NOTES	Information listed on this form represents the data collected in 2015. The stream was revisited on 11/19/2019. The presence of a stream channel and OHWM was confirmed.
	(Original field name: S-B2a)

Stream ID S-B2



Photograph Direction North

Date: 03/31/2015

Comments: 2015 stream identification.



Photograph Direction South

Date: 11/19/2019

STREAM ID S-H55	STREAM NAME UNT to Little Cherrystone Creek
<b>LAT</b> 36.84317 <b>LONG</b> -79.369182	DATE 04/08/2015
CLIENT MVP	PROJECT NAME MVP
INVESTIGATORS A.Stott, A.Grech, H.Heist	
FLOW REGIME Perennial Intermittent Ephemeral	WATER TYPE TNW RPW NRPW

Perennial _	Intermitte	nt Epheme	eral 🗹 TNW 👝	RPW —	NRPW 🖍	
			leasurements		Stream Erosion	
		Top of Ban	k Width: 3.0 ft		NoneModerate	Heavy
		Top of Ban	k Height:		Autificial Madified or Char	
		LB 2.0 in RB 3.0 in		• .	Artificial, Modified or Char Yes No	menzeu
		Water Depth: 0.00 in		_	<u> </u>	
CHANNEL FE	ATURES				Dam PresentYes _	∠ No
		Water Width: 0.0 ft				
		High Water Mark: 2.0 in			Sinuosity <u>v</u> Low	Medium High
		Flow Direct	ion: South		Gradient	
						✓ Severe
					(0.5/100 ft (2 ft/100 ft)	(10 ft/100 ft)
		Water Pres			Proportion of Reach Repre	sented by Stream
			r, stream bed dry		Morphology Types Riffle 50 % Run 10	%
		✓ Stream b			Pool 40 %	/0
FLOW		— Standing	•		70	
CHARACTER	ISTICS				Turbidity	
		Velocity			Clear Slightly	
			✓ Moderate		OpaqueStained	
		Slow			Other	
INOR		STRATE CO		ORGANIC SUBSTRATE COMPONENT		
	(should a	add up to 100	ю 100%)		does not necessarily add u	p to 100%)
Substrate	Diame	ter	% Composition in		Characteristic	% Composition in
Туре			Sampling Reach	Туре		Sampling Area
Bedrock				Detritus	sticks, wood, coarse	70
Boulder		mm (10")			plant materials (CPOM)	70
Cobble		m (2.5"-10")		Muck-Mud	black, very fine organic	
Gravel	2-64 mm	(0.1"-2.5")			(FPOM)	
Sand	0.06-2n	nm (gritty)	30			
Silt	0.004-0	0.06 mm	70	Marl	grey, shell fragments	
Clay	< 0.004 r	mm (slick)				
	•	Predomina	nt Surrounding Lan	duse	Indicate the dominant type	(Check one)
		✓ Forest	Commer	cial	<u>✓</u> Trees Shrub	S
		Field/Pa	— · · · · · · · · · · · · · · · · · · ·		Grasses Herba	iceous
WATERSHED		Agricult	ural Resident	tial	Floodplain Width	
FEATURES	'	Other:				rate 15-30ft
		Canopy CoverPartly open   ✓ Partly shaded			Narrow <16ft	
				aded		
		ShadedOpen			Wetland PresentYes Wetland ID	<u>v</u> No
		Indicate th	e dominant type and		dominant species present	
AQUATIC VE	GETATION			Rooted subme		ting Free floating
		Floating	g algae	Attached algae	e —	· —
		Information	listed on this faces	nrocente the d	oto collected in 2045. The est	room woo residelte d
				•	ata collected in 2015. The st nnel and OHWM was confirm	
MACROINVER	RTFRRATES				3 0	<del></del>
OR OTHER	., LDIVATEO					
WILDLIFE OBSERVED/C	THER					
OBSERVATIO						
NOTES						

Stream ID S-H55



Photograph Direction North

Date: 04/08/2015

Comments: 2015 stream identification.



Photograph Direction South

Date: 11/19/2019

STREAM ID S-H54	STREAM NAME UNT to Little Cherrystone Creek
<b>LAT</b> 36.840879 <b>LONG</b> -79.366941	DATE 04/08/2015
CLIENT MVP	PROJECT NAME MVP
INVESTIGATORS A.Stott, A.Grech, H.Heist	
FLOW REGIME Perennial Intermittent Ephemeral	WATER TYPE TNW RPW ✓ NRPW

relellillal =		nt <u> </u>	erai INVV —	RPW —	NRPW —	
					~ - ·	
		Estimate Measurements Top of Bank Width: 12.0 ft			Stream Erosion None ✓ Moderate — Heavy	
CHANNEL FEATURES					World	Ticavy
		Top of Bank Height:			Artificial, Modified or Char	nnelized
		LB <u>2.0</u>	ft RB <u>3.0</u>	<u>ft</u>	Yes _ <u>✔</u> No	
		Water Dep	th: <u>6.00 in</u>		Dam PresentYes _	4 No
		Water Widt	th: 10.0 ft		res _	Z NO
		High Water	Mark: 1.0 ft		Sinuosity <u>v</u> Low	Medium High
		Flow Direct	tion: Northeast		Gradient	
		200				✓ Severe
					(0.5/100 ft (2 ft/100 ft)	
V		Water Pres			Proportion of Reach Repre	esented by Stream
			r, stream bed dry		Morphology Types Riffle 50 % Run 10	%
		✓ Stream Standin			Pool 40 %	/0
FLOW	ICTICC	— Flowing	•		. 55. 40 /5	
CHARACTER	151165				Turbidity	
		Velocity			Clear Slightly Stained	
		Fast Moderate			Other	
		Slow				
INOR		STRATE CO add up to 10			RGANIC SUBSTRATE COM does not necessarily add u	
Substrate Type	Diame	eter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock				Dataltara	sticks, wood, coarse	
Boulder	> 256	mm (10")	10	Detritus	plant materials (CPOM)	20
Cobble	64-256 m	m (2.5"-10")	15	Musik Mud	black, very fine organic	
Gravel	2-64 mm	n (0.1"-2.5")	30	Muck-Mud	(FPOM)	
Sand	0.06-2n	nm (gritty)	30			
Silt	0.004-0	0.06 mm	15	Marl	grey, shell fragments	
Clay	< 0.004	mm (slick)				
			ant Surrounding Lan	duse	Indicate the dominant type	(Check one)
		<u>✓</u> Forest			<u>✓</u> TreesShrub	
		— Field/P Agricul			Grasses Herba	iceous
WATERSHED		Other:	Nesidelli	Floodplain Width		
FEATURES		001.			Wide > 30ft✓ Mode	rate 15-30ft
		Canopy Cover			Narrow <16ft	
		Partly open Partly sha		aded	Wetland PresentYes	✓ No
		Shaded	Open		Wetland ID	_
					dominant species present	
AQUATIC VE	GETATION		· —	Rooted subme	_	tingFree floating
		Floatin	g algae	Attached alga	e	
		1				
****						
MACROINVER OR OTHER	KIEBRAIES	<b>'</b>				
WILDLIFE OBSERVED/C	THER					
OBSERVATIO						
NOTES						
		1				



Photograph Direction <u>SW</u>

STREAM ID S-GG11	STREAM NAME UNT to Little Cherrystone Creek
LAT 36.841217 LONG-79.367421	DATE07/30/2015
PROJECT NAME MVP	CLIENT MVP
INVESTIGATORS P Johnson, M Whitten,	C Wharton
FLOW REGIME  Perennial Intermittent Ephemeral	WATER TYPE TNW ✓ RPW NRPW

			leasurements "		Stream Erosion		
		Top of Ban	k Width: 12 ft		None Moderate .	Heavy	
		Top of Bank Height:		Artificial, Modified or Char	nelized		
		LB <u>3 ft</u> RB <u>3 ft</u>		Yes ⊂ <u>✔</u> No			
CHANNEL FE	ATURES	Water Depth: 2.00 in		Dam Present ✓ Yes	No		
		Water Widt	h: <u>5 ft</u>			_	
		High Water	Mark: 2 ft		Sinuosity Low	Medium High	
					Gradient		
					Flat Moderate	Severe (10 ft/100 ft)	
		Water Pres			(0.5/100 ft (2 ft/100 ft)  Proportion of Reach Repre	,	
			r, stream bed dry		Morphology Types	sented by Stream	
			ped moist		Riffle 60 % Run 20	%	
FLOW		Standing			Pool 20 %		
CHARACTER	ISTICS	<u>✓</u> Flowing	water		Turbidity		
		Velocity			✓ ClearSlightly	turbidTurbid	
			✓ Moderate		Opaque Stained		
		Slow			Other		
INOR	GANIC SUB	STRATE CO	MPONENTS	О	RGANIC SUBSTRATE COM	IPONENTS	
	(should	add up to 10	· · · · · · · · · · · · · · · · · · ·	(	(does not necessarily add up to 100%)		
Substrate Type	Diame	eter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area	
Bedrock			5	Detritus	sticks, wood, coarse		
Boulder	> 256	mm (10")	5	Detilitus	plant materials (CPOM)	10	
Cobble	64-256 m	m (2.5"-10")	40	Muck-Mud	black, very fine organic	0	
Gravel	2-64 mm	า (0.1"-2.5")	30	Mack Maa	(FPOM)	U	
Sand	0.06-2r	nm (gritty)	10				
Silt		0.06 mm	10	Marl	grey, shell fragments		
Clay	< 0.004	mm (slick)					
			ant Surrounding Lar		Indicate the dominant type		
			Commer Commer	Ciai I	✓ Trees — Shrub — Grasses — Herba	CAUTE	
		Agricult	ural Residen			ceous	
WATERSHED		Other:			Floodplain Width		
FEATURES					Wide > 30ft   Marrow <16ft ✓ Model	ate 15-30ft	
		Canopy Co	over	adad	Natiow > Toll		
		Partly of Open	ppen Partly sh ✓ Shaded	aded	Wetland Present _v Yes	No	
					Wetland IDW-GG4		
					dominant species present	ing Free fleating	
40114=:0::-	AQUATIC VEGETATION		Rooted emergent Rooted subm Floating algae Attached alga				
AQUATIC VE	GETATION			Attached alga		ing Free lloating	

MACROINVERTEBRATES
OR OTHER
WILDLIFE
OBSERVED/OTHER
OBSERVATIONS AND
NOTES

Information listed on this form represents the data collected in 2015. The stream was revisited on 11/09/2019. The presence of a stream channel and OHWM was confirmed.

## Stream ID S-GG11



Photograph Direction West

Date: <u>07/30/2015</u>

Comments: 2015 stream identification.



Photograph Direction East

Date: 11/09/2019

STREAM ID S-H3	STREAM NAME UNT to Little Cherrystone Creek
LAT 36.834525 LONG -79.360110	DATE 03/30/2015
PROJECT NAME MVP	CLIENT MVP
INVESTIGATORS A.stott, A.Grech, H.Heis	st .
FLOW REGIME Perennial ✓ Intermittent Ephemeral	WATER TYPE TNW ✓ RPW NRPW

		1					
			leasurements k Width: 6 ft		Stream ErosionNoneModerate	✓ Hoovy	
		'	Widdi.		NoneNoderate	<u>- Heavy</u>	
		Top of Ban	· ·	<b>6</b> 1	Artificial, Modified or Char	nelized	
		LB <u>1</u>		<u>tt</u>	Yes No		
CHANNEL FE	ATURES		h: <u>1.00 ft</u>		Dam Present Yes	✓ No	
		Water Widt	h: <u>1 ft</u>			_	
		High Water	Mark: 1 ft		Sinuosity <u>v</u> Low	Medium High	
					Gradient		
					<u>✓</u> FlatModerate (2 ft/100 ft)	Severe (10 ft/100 ft)	
		Water Pres	sent		Proportion of Reach Repre	,	
			r, stream bed dry		Morphology Types	•	
			ped moist		Riffle % Run 90	%	
FLOW		Standing Flowing	•		Pool 10 %		
CHARACTER	ISTICS	<u>v</u> riowing	water		Turbidity		
		Velocity			Clear Slightly	turbidTurbid	
		Fast ✓ Slow	Moderate		OpaqueStainedOther		
INOR		STRATE CO add up to 100		_	ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)		
Substrate Type	Diame	eter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area	
Bedrock				Dotritus	sticks, wood, coarse		
Boulder	> 256	mm (10")		Detritus	plant materials (CPOM)	5	
Cobble	64-256 m	ım (2.5"-10")		Muck-Mud	black, very fine organic	00	
Gravel	2-64 mm	า (0.1"-2.5")		iviuck-iviuu	(FPOM)	30	
Sand	0.06-2r	nm (gritty)	50				
Silt	0.004-	0.06 mm	50	Marl	grey, shell fragments		
Clay	< 0.004	mm (slick)					
		Predomina	int Surrounding Lan		Indicate the dominant type		
		Forest	Commer	cial	Trees Shrub	S	
		Forest Field/Pa	Commer Commer	rcial I	Indicate the dominant type Trees Shrub Grasses Herba	S	
WATERSHED	ı	Forest	Commer Commer	rcial I	Trees Shrub Grasses Herba Floodplain Width	s ceous	
WATERSHED FEATURES		Forest Field/Pa Agricult Other:	Commer Industrial Resident	rcial I	Trees Shrub Grasses Herba Floodplain Width Wide > 30ft Model	s ceous	
		Forest Field/Pa Agricult Other:	Commer Industrial Resident	cial I tial	Trees Shrub Grasses Herba Floodplain Width	s ceous	
		Forest Field/Pa Agricult Other:	Commer Industrial Resident Pover Pen Partly sh	cial I tial	Trees Shrub Grasses Herba Floodplain Width Wide > 30ft Model	s ceous rate 15-30ft	
		Forest Field/Pa Agricult Other:  Canopy Ca Partly of Shaded	Commer Industrial Resident Pover Pertly sh	cial Itial aded	Trees Shrub  Grasses Herba  Floodplain Width Wide > 30ft Narrow <16ft  Wetland Present Wetland ID W-H2  Gominant species present	s ceous rate 15-30ft <u>~</u> No	
		Forest Field/Pa Agricult Other:  Canopy Ca Partly of Shaded	Commer Industrial Resident Pover Pen Partly she e dominant type and emergent	cial Itial aded	Trees Shrub  Grasses Herba  Floodplain Width Wide > 30ft Narrow <16ft  Wetland Present Wetland ID W-h2  Cominant species present ergent Rooted float	s ceous rate 15-30ft	

NOTES
-------

Information listed on this form represents the data collected in 2015. The stream was revisited on 11/01/2019. The presence of a stream channel and OHWM was confirmed.

Stream ID S-H3



Photograph Direction West

Date: 03/30/2015

Comments: 2015 stream identification.



Photograph Direction NNW

Date: 11/01/2019

STREAM ID S-H5	STREAM NAME UNT to Little Cherrystone Creek
<b>LAT</b> 36.833489° <b>LONG</b> -79.359701°	DATE 03/30/2015
CLIENT MVP	PROJECT NAME MVP
INVESTIGATORS A.Stott, A. Grech, H. Heist	
FLOW REGIME Perennial ✓ Intermittent Ephemeral —	WATER TYPE TNW — RPW ✓ NRPW —

i eleliliai =	_ memme	пс— приспи		1X1 VV —		
	Estimate Measurements Top of Bank Width: 8.0 ft				Stream Erosion None ✓ Moderate	Heavy
		Top of Ban	k Height:		Auditialat Maditiada a Olasa	
		LB 2.0	ŭ	CT.	Artificial, Modified or Chan Yes   ✓ No	nelizea
CHANNEL FEATURES			th: 4.00 in		Dam Present Yes	<u>^</u> No
			Mark: 2.0 ft		Sinuosity Low	Medium High
		Flow Direct				<u> </u>
		I low Direct	1011.	<del></del>	Gradient Flat _✓ Moderate _	Severe
						(10 ft/100 ft)
		Stream b	r, stream bed dry bed moist		Proportion of Reach Repre Morphology Types Riffle 15 % Run 75	-
FLOW		Standing	•		Pool 10 %	
CHARACTERISTICS   Velocity		TelocityFast <u>✓</u> ModerateSlow .		Turbidity <u>✓</u> ClearSlightly turbidTurbidOpaqueStainedOther		
INORGANIC SUBSTRATE COMPONENTS			_	RGANIC SUBSTRATE COM		
(should add up to 100%)				loes not necessarily add up	- 	
Substrate Type	Diame	ter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock			0	Detritus	sticks, wood, coarse	
Boulder		mm (10")	0	200.100	plant materials (CPOM)	10
Cobble	64-256 m	m (2.5"-10")	0	Muck-Mud	black, very fine organic	0
Gravel		(0.1"-2.5")	0		(FPOM)	
Sand		nm (gritty)	50			0
Silt		0.06 mm	50	Marl	grey, shell fragments	
Clay	< 0.004	mm (slick)	0			
<u>✓</u> For <u>✓</u> Fie — Agr		✓ Forest ✓ Field/Pa	Field/Pasture Industrial Agricultural Residential		Indicate the dominant type (Check one)  Trees Grasses Herbaceous  Floodplain Width Wide > 30ft Moderate 15-30ft	
ShadedC		pen <u>v</u> Partly sh	aded	✓ Narrow <16ft  Wetland PresentYes Wetland ID	<u>~</u> No	
		d record the d Rooted subme Attached algae	ergentRooted float	ingFree floating		
	Information listed on this form represents the data collected in 2015. The stream was revisited					

	Information listed on this form represents the data collected in 2015. The stream was revisited on 11/01/2019. The presence of a stream channel and OHWM was confirmed.
MACROINVERTEBRATES OR OTHER WILDLIFE OBSERVED/OTHER OBSERVATIONS AND NOTES	

Stream ID S-H5



Photograph Direction West

Date: 03/30/2015

Comments: 2015 stream identification.



Photograph Direction East

Date: 11/01/2019

STREAM ID S-001	STREAM NAME UNT to Little Cherrystone Creek
<b>LAT</b> 36.830254 <b>LONG</b> -79.356695	DATE 08/20/2015
CLIENT MVP	PROJECT NAME MVP
INVESTIGATORS A. rodrian, L. sexton, C. Wh	arton
FLOW REGIME Perennial — Intermittent ✓ Ephemeral —	WATER TYPE TNW RPW ✓ NRPW

Perennial _	_ Intermitte	nt <u> </u>	eral TNW	RPW 🚣	NRPW —	
Estimate Measurements Top of Bank Width: 5.0 ft Top of Bank Height:				Stream Erosion  None Moderate	•	
			· ·		Artificial, Modified or Chan	nelized
		LB <u>1.0 ft</u> RB <u>1.0 ft</u>			Yes _ <u>✓</u> No	
CHANNEL FE	ATURES	Water Dept Water Widt	h: <u>2.00 in</u> h: <u>2.0 ft</u>		Dam PresentYes	<u>∕</u> No
		High Water	Mark: <u>7.0 in</u>		Sinuosity Low	Medium High
		Flow Direct	ion: N		Gradient	
					✓ Flat Moderate	Severe (10 ft/100 ft)
Water Present No water, stream bed dry Stream bed moist Standing water Flowing water Flowing water			Proportion of Reach Representation of Reach Representa	%		
VelocityFast _ ✓ Slow		Moderate		OpaqueStainedOther		
INOR	INORGANIC SUBSTRATE COMPONENTS ORGANIC SUBSTRATE COMPONENTS			IPONENTS		
	(should	add up to 100%)		(0	(does not necessarily add up to 100%)	
Substrate Type	Diame	eter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock		0		Detritus	sticks, wood, coarse	
Boulder		mm (10")	10	Detritus	plant materials (CPOM)	15
Cobble	64-256 m	m (2.5"-10")	50	Muck-Mud	black, very fine organic	0
Gravel	2-64 mm	ı (0.1"-2.5")	25		(FPOM)	U
Sand		nm (gritty)	10			0
Silt		0.06 mm	5	Marl	grey, shell fragments	
Clay	< 0.004	mm (slick)	0			
Predominant Surrounding Landuse  ✓ Forest Commercial  Field/Pasture Industrial  Agricultural Residential		cial I tial	Indicate the dominant type  Trees Shruba Grasses Herbar	s		
FEATURES Wide > 30ft		Floodplain Width Wide > 30ft Narrow <16ft  Wide > 30ft	rate 15-30ft			
Canopy CoverPartly openPartly s		aded	_			
Shaded Open Wetland ID w-MM3  Wetland ID w-MM3		No				
AQUATIC VE	GETATION	Indicate the dominant type and record the dominant species present  Rooted emergent Rooted submergent Rooted floating Free floating algae  Attached algae			ingFree floating	
	Information listed on this form represents the data collected in 2015. The stream was revisited on 11/01/2019. The presence of a stream channel and OHWM was confirmed.					

MACROINVERTEBRATES OR OTHER WILDLIFE OBSERVATIONS AND NOTES

Information listed on this form represents the data collected in 2015. The stream was revisited on 11/01/2019. The presence of a stream channel and OHWM was confirmed.

Stream ID s-001



Photograph Direction North

Date: 08/20/2015

Comments: 2015 stream identification.



Photograph Direction South

Date: 11/01/2019

STREAM ID S-H44	STREAM NAME UNT to Little Cherrystone Creek
<b>LAT</b> 36.831092 <b>LONG</b> -79.345679	DATE 04/07/2015
CLIENT MVP	PROJECT NAME MVP
INVESTIGATORS A.stott, A.grech, H. heist	
FLOW REGIME Perennial ✓ Intermittent — Ephemeral —	WATER TYPE TNW RPW_✓ NRPW

		III.— Lpiieiii	•			
		F-41 / -			Ot	
		Estimate Measurements Top of Bank Width: 8.0 ft			Stream Erosion None ✓ Moderate	Незуу
					NoneNoderate	rieavy
		Top of Ban	_	_	Artificial, Modified or Char	nnelized
		LB <u>3.0</u>		<u>ft</u>	Yes✓ No	
CHANNEL FE	ATURES	Water Dep	th: 4.00 in		Dom Brasant Vos	/ No
		Water Widt	h: 3.0 ft		Dam PresentYes	<u>/</u> N0
		High Water	Mark: 2.0 ft		Sinuosity Low	Medium <u></u> ✓ High
		•	Flow Directions South		Our dia ut	
		I low Bileo			Gradient Flat _✓ Moderate _	Severe
					(0.5/100 ft (2 ft/100 ft)	(10 ft/100 ft)
		Water Pres	sent		Proportion of Reach Repre	esented by Stream
			r, stream bed dry		Morphology Types	0/
		Stream I			Riffle 60 % Run 10 Pool 30 %	%
FLOW		Standing	•		7001 30 70	
CHARACTER	STICS	T lowing	Water		Turbidity	
		Velocity			Clear Slightly	
			✓ Moderate		OpaqueStained	
		Slow		1	Other	
INORGANIC SUBSTRATE COMPONENTS (should add up to 100%)			RGANIC SUBSTRATE COM			
Cubatrata	(Snould a	add up to 10		· ·	does not necessarily add u	· · · · · · · · · · · · · · · · · · ·
Substrate Type	Diame	eter	% Composition in Sampling Reach		Characteristic	% Composition in Sampling Area
Bedrock			Camping Hoadin	, , , , , , , , , , , , , , , , , , ,	sticks, wood, coarse	Camping 7 ii Ca
Boulder	> 256	mm (10")	10	Detritus	plant materials (CPOM)	
Cobble	64-256 m	m (2.5"-10")	10	Music Mud	black, very fine organic	
Gravel	2-64 mm (0.1"-2.5")		30	Muck-Mud	(FPOM)	
Sand	0.06-2r	mm (gritty) 75				
Silt	0.004-0	0.06 mm		Marl	grey, shell fragments	
Clay	< 0.004	mm (slick)				
		Predominant Surrounding La			Indicate the dominant type	
		✓ Forest	Commer		Trees Shrub	
		— Field/Pa			GrassesHerba	iceous
WATERSHED		Other:	Kesideiii	liai	Floodplain Width	
FEATURES						rate 15-30ft
Canopy Cover			✓ Narrow <16ft			
		Partly openPartly shaded		Wetland PresentYes	_ <b>✓</b> No	
Shaded Open			Wetland ID	<u> </u>		
	Indicate the dominant type and record the dominant species present					
AQUATIC VE	SETATION					
		Floating algaeAttached algae				
	VEDTEDDATES					
MACROINVER OR OTHER	RTEBRATES	·				
WILDLIFE OBSERVED/OTHER						
OBSERVATIO						
NOTES						



Photograph Direction North

STREAM ID S-H42	STREAM NAME UNT to Little Cherrystone Creek
<b>LAT</b> 36.829057 <b>LONG</b> -79.343877	DATE 04/06/2015
CLIENT MVP	PROJECT NAME MVP
INVESTIGATORS A.Stott, A.Grech, H.Heist	
FLOW REGIME Perennial — Intermittent — Ephemeral —	WATER TYPE TNW RPW_✓ NRPW

	Estimate Measurements Top of Bank Width: 7.0 ft				Stream ErosionNone✓ Moderate .	Heavy
		Top of Ban	k Height:		Artificial, Modified or Chan	nelized
		LB <u>3.0</u>	ft RB <u>4.0</u>	<u>ft</u>	Yes _ No	
CHANNEL FE	ATURES	Water Dept Water Widt	h: <u>4.00 in</u> h: 5.0 ft		Dam PresentYesv	<u>∕</u> No
					Sinuosity 🗸 Low	Medium High
		Flow Direct				_
		1 low Bilcon			Gradient Flat _✓ Moderate	Severe
						(10 ft/100 ft)
<del></del>		r, stream bed dry bed moist g water		Proportion of Reach Representation of Reach Representa	sented by Stream	
VelocityFast			ocity Fast <u>✓</u> Moderate		Clear Slightly turbid Turbid Turbid Opaque Stained Other	
INOR	GANIC SUB	STRATE CO	MPONENTS	0	RGANIC SUBSTRATE COM	PONENTS
(should add up to 100%)			_	does not necessarily add up		
Substrate Type	I I II		% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock				Detritus	sticks, wood, coarse	
Boulder	> 256	mm (10")	5	Detritus	plant materials (CPOM)	15
Cobble	64-256 m	m (2.5"-10")	5	Muck-Mud	black, very fine organic	0
Gravel	2-64 mm	า (0.1"-2.5")	10		(FPOM)	0
Sand		nm (gritty)	50			
Silt		0.06 mm	15	Marl	grey, shell fragments	
Clay	< 0.004	mm (slick)	15	_		
<u>✓</u> Forest Field/P:			cial	Indicate the dominant type  Trees Shrubs Grasses Herbar	S	
WATERSHED Agricul Other:		_		Floodplain Width Wide > 30ft Moderate 15-30ft Narrow <16ft		
Canopy CoPartly oShaded		pen <u></u> Partly sha	aded	_	<u>✓</u> No	
Indicate the dominant type and record the dominant species present Rooted emergentRooted submergentRooted floatingI Floating algaeAttached algae		ingFree floating				
	•					
		Information	listed on this form re	presents the c	lata collected in 2015.	A/4/0040 At this

	Information listed on this form represents the data collected in 2015. The stream was revisited and extended through the updated survey area on 4/1/2016. At this time the presence of an OHWM was confirmed.
MACROINVERTEBRATES OR OTHER WILDLIFE OBSERVED/OTHER	
OBSERVATIONS AND NOTES	



Photograph Direction North

STREAM ID S-OO2	STREAM NAME UNT to Little Cherrystone Creek
<b>LAT</b> 36.828901 <b>LONG</b> -79.353833	DATE 08/20/2015
CLIENT MVP	PROJECT NAME MVP
INVESTIGATORS A. rodrian, L. sexton, C. Wh	arton
FLOW REGIME Perennial — Intermittent ✓ Ephemeral —	WATER TYPE TNW — RPW ✓ NRPW —

Perenniai =	_ memilie	nt <u> </u>	erai INW —	RPW —	NRPW —				
CHANNEL FEATURES		Estimate Measurements			Stream Erosion				
		·	k Width: 5.0 ft		<u>✓</u> NoneModerateHeavy				
		Top of Bank Height:			Artificial, Modified or Channelized				
		LB <u>1.0 ft</u> RB <u>1.0 ft</u>			Yes No				
		Water Depth: 2.00 in			Dam PresentYes <u>✓</u> No				
		Water Width: 2.0 ft			Sinuosity Low _v Medium High				
		High Water Mark: 7.0 in							
		Flow Direction: N			Gradient <u>✓</u> FlatModerateSevere				
					(0.5/100 ft (2 ft/100 ft) (10 ft/100 ft)				
		Water Present			Proportion of Reach Represented by Stream Morphology Types Riffle 75 % Run 20 % Pool 5 %				
		No water, stream bed dry Stream bed moist							
		Standing water							
FLOW CHARACTER	ISTICS	Flowing water			Turbidity <u>✓</u> ClearSlightly turbidTurbidOpaqueStained				
		Velocity							
		Fast Moderate							
		<u>✓</u> Slow			Other				
INOR		BSTRATE COMPONENTS add up to 100%)		_	ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)				
Substrate Type	Diameter		% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area			
Bedrock			0	Detritus	sticks, wood, coarse				
Boulder	> 256 mm (10")		10	Detilitus	plant materials (CPOM)	15			
Cobble	64-256 mm (2.5"-10")		50	Muck-Mud	black, very fine organic	0			
Gravel		า (0.1"-2.5")	25		(FPOM)				
Sand		nm (gritty)	10		1 116	0			
Silt		0.06 mm mm (slick)	5 0	Marl	grey, shell fragments				
Clay	< 0.004	` ′	Ţ.	dusa	Indicate the dominant type	(Chack ana)			
		Predominant Surrounding Landuse  ✓ Forest Commercial			Indicate the dominant type (Check one)  Trees Shrubs				
WATERSHED FEATURES  AQUATIC VEGETATION		Field/Pasture Industrial Agricultural Residential Other:			Grasses Herbac	ceous			
					Floodplain Width  Wide > 30ft Moderate 15-30ft				
							Canopy Cover Partly openPartly shaded Open		
		Wetland Present   Yes No Wetland ID W-MM4							
					Indicate the dominant type and record the dominant species present  Rooted emergentRooted submergent Rooted floating Free floatin				
		714071110 121		Rloating algaeAttached alg			· — · · — ·		
					data collected in 2015. The str				
*** ***		on 11/01/20	)19. The presence of	a stream chai	nnel and OHWM was confirme	ed.			

Information listed on this form represents the data collected in 2015. The stream was revisited on 11/01/2019. The presence of a stream channel and OHWM was confirmed.

MACROINVERTEBRATES OR OTHER WILDLIFE OBSERVED/OTHER OBSERVATIONS AND NOTES

Stream ID s-002



Photograph Direction South

Date: 08/20/2015

Comments: 2015 stream identification.



Photograph Direction North

Date: 11/01/2019

STREAM ID	3-EF26		STREAM NA	STREAM NAME Little Cherrystone Creek					
CLIENT MV	'P		PROJECT N	PROJECT NAME MVP					
LAT 36.828205 LONG -79.349813				DATE 05/02/2016 COUNTY Pittsylvania					
INVESTIGATORS D Hadersbeck, J Potrikus, A Flake									
WATER TYPE TNW RPW NRPW				FLOW REGIME Perennial Intermittent Ephemeral					
Estimate Measure			ouromonte	1	Sinuosity Low	, , Mo	edium High		
CHANNEL FEATURES		Top of Bank W Top of Bank H LB <u>5.0</u> ft	Vidth: <u>22.0</u> ft leight: RB <u>5.0</u>	ft	Gradient Flat Moderate Severe (2 ft/100 ft)  Stream Erosion				
		Water Depth: _							
		Water Width: 15.0 ft			Artificial, Modified or Channelized				
		Ordinary High Water Mark (Width): 20.0 ft			Yes _ <u>✓</u> No				
		Ordinary High Water Mark (Height): 24.0 in			Within Roadside Ditch				
		Flow Direction: Southeast			Yes _ <u>✓</u> No				
	ļ			·	Culvert PresentYes _✓ No				
	ļ				Culvert Material:				
					Culvert Size:in				
FLOW		Water Present No water, stream bed dry Stream bed moist Standing water			Proportion of Reach Represented by Stream Morphology Types (Only enter if water present) Riffle 10 % Run 70 % Pool 20 %				
CHARACTERI	ISTICS	✓ Flowing wate	er		Turbidity ClearSlightly turbid∕ Turbid				
		Velocity							
	ļ	Fast _ <u>✓</u> Moderate			Other				
		Slow							
INORGANIC SUBSTRATE COMPO (should add up to 100%)			MPONENTS				ONENTS		
ļ,	(shoul	d add up to 100					to 100%)		
Substrate Type	· ·	d add up to 100 meter	9%) 100 % Composition in Sampling Reach	Substrate Type		ily add up t	-		
Type Bedrock	Diar	meter	% Composition in	Substrate	Characteristic	ily add up t	% Composition in Sampling Area		
Type Bedrock Boulder	Diar > 25	meter 66 mm (10")	% Composition in Sampling Reach	Substrate Type	Characteristic	ily add up t	% Composition in		
Type Bedrock Boulder Cobble	Diar > 25	meter 56 mm (10") mm (2.5"-10")	% Composition in Sampling Reach	Substrate Type	Characteristic sticks, wood, plant materials black, very fine	coarse (CPOM)	% Composition in Sampling Area		
Type Bedrock Boulder Cobble Gravel	Diar > 25 64-256 2-64 n	meter 56 mm (10") mm (2.5"-10") nm (0.1"-2.5")	% Composition in Sampling Reach  20 30	Substrate Type Detritus	Characteristic sticks, wood, plant materials	coarse (CPOM)	% Composition in Sampling Area		
Type Bedrock Boulder Cobble Gravel Sand	> 25 64-256 2-64 n	meter 56 mm (10") mm (2.5"-10") nm (0.1"-2.5") -2mm (gritty)	% Composition in Sampling Reach	Substrate Type Detritus Muck-Mud	Characteristic sticks, wood, plant materials black, very fine (FPOM)	coarse (CPOM)	% Composition in Sampling Area		
Type Bedrock Boulder Cobble Gravel Sand Silt	> 25 64-256 2-64 n 0.06-	meter 56 mm (10") mm (2.5"-10") nm (0.1"-2.5") -2mm (gritty) 4-0.06 mm	% Composition in Sampling Reach  20 30	Substrate Type Detritus	Characteristic sticks, wood, plant materials black, very fine	coarse (CPOM)	% Composition in Sampling Area		
Type Bedrock Boulder Cobble Gravel Sand	> 25 64-256 2-64 n 0.06-	meter  56 mm (10")  mm (2.5"-10")  nm (0.1"-2.5")  -2mm (gritty)  4-0.06 mm  14 mm (slick)	% Composition in Sampling Reach  20 30 50	Substrate Type  Detritus  Muck-Mud  Marl	characteristic sticks, wood, plant materials black, very fine (FPOM) grey, shell frag	coarse (CPOM)	% Composition in Sampling Area		
Type Bedrock Boulder Cobble Gravel Sand Silt	> 25 64-256 2-64 n 0.06- 0.00 < 0.00	meter  56 mm (10")  mm (2.5"-10")  nm (0.1"-2.5")  -2mm (gritty)  4-0.06 mm  14 mm (slick)	% Composition in Sampling Reach  20 30 50  Surrounding Landu — Commercia ure — Industrial II — Residential — Other:	Substrate Type  Detritus  Muck-Mud  Marl	Characteristic sticks, wood, plant materials black, very fine (FPOM) grey, shell frag	coarse (CPOM)	to 100%) % Composition in Sampling Area		
Type Bedrock Boulder Cobble Gravel Sand Silt Clay  WATERSHED FEATURES	> 25 64-256 2-64 n 0.06- 0.00 < 0.00	meter  56 mm (10")  mm (2.5"-10")  nm (0.1"-2.5")  -2mm (gritty)  4-0.06 mm  14 mm (slick)  Predominant  Forest  Field/Pastu  Agricultura  ROW  Canopy Cove  Open  Shaded	% Composition in Sampling Reach  20 30 50  Surrounding Landu — Commercia — Industrial — Residential — Other:  — Partly shade	Substrate Type  Detritus  Muck-Mud  Marl  see	sticks, wood, plant materials black, very fine (FPOM) grey, shell frag Floodplain Width Wide > 30ft Narrow <15ft	coarse (CPOM) organic ) gments	% Composition in Sampling Area  10		
Type Bedrock Boulder Cobble Gravel Sand Silt Clay  WATERSHED FEATURES	> 25 64-256 2-64 n 0.06- 0.00 < 0.00	meter  56 mm (10")  mm (2.5"-10")  nm (0.1"-2.5")  -2mm (gritty)  4-0.06 mm  14 mm (slick)  Predominant  Forest  Field/Pastu  Agricultura  ROW  Canopy Cove  Open  Shaded	% Composition in Sampling Reach  20 30 50  Surrounding Landu — Commercia — Industrial — Residential — Other:	Substrate Type  Detritus  Muck-Mud  Marl  see	sticks, wood, plant materials black, very fine (FPOM) grey, shell frag Floodplain Width Wide > 30ft Narrow <15ft	coarse (CPOM) organic ) gments	% Composition in Sampling Area  10		



Photograph Direction SE