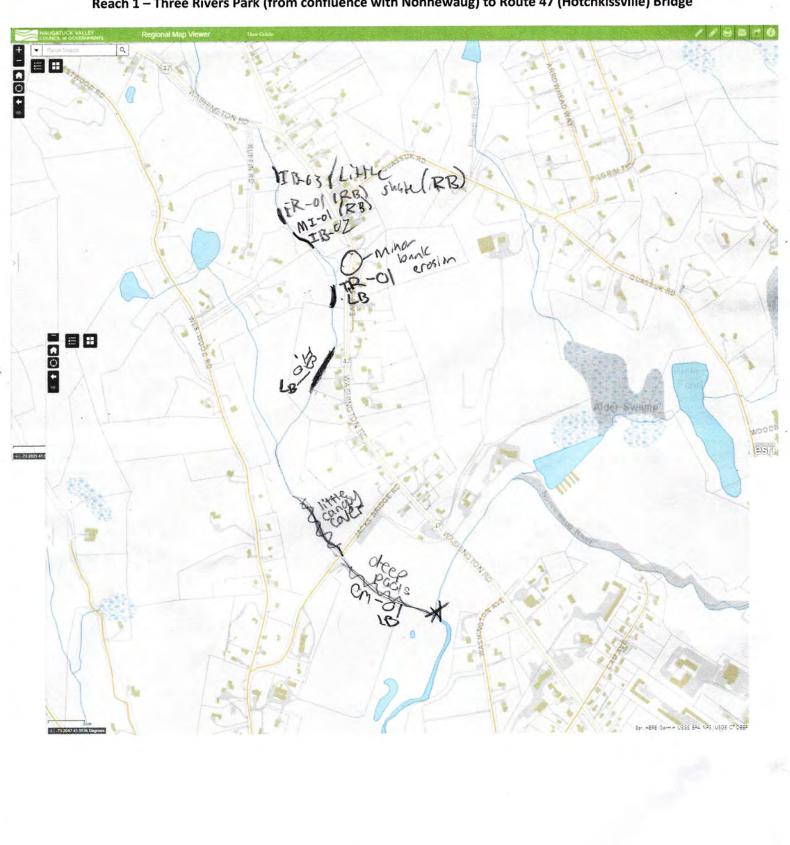
APPENDIX C

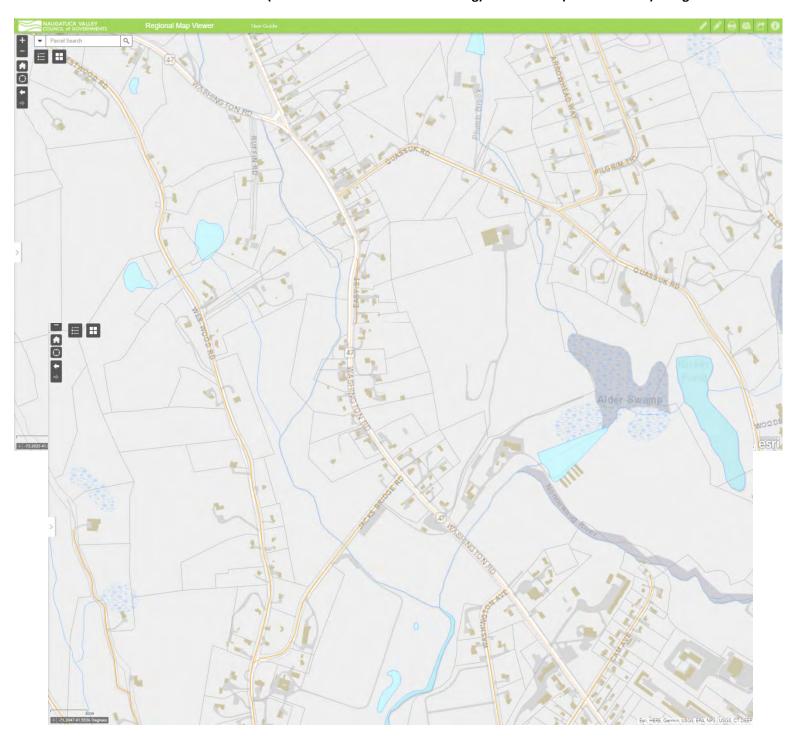
Streamwalk Assessment Survey

Completed Field Data Sheets, Reach Map Notes, & Field Notebook Entries
for Weekeepeemee River, Bethlehem and Woodbury, CT

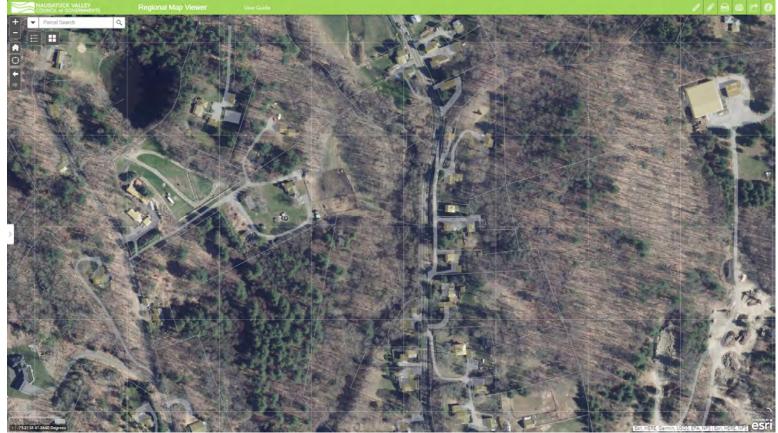
Reach 1 – Three Rivers Park (from confluence with Nonnewaug) to Route 47 (Hotchkissville) Bridge



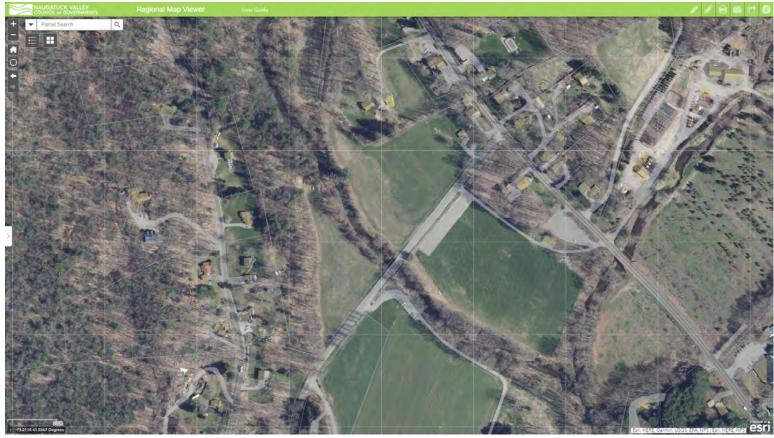
Reach 1 – Three Rivers Park (from confluence with Nonnewaug) to Route 47 (Hotchkissville) Bridge











SURVEY REACH	ID: <u>() </u>	WTRSHD/SUBSHD: Wee	xeepeenee	DATE: 7/83/21	ASSESSED BY: CH, PP SO, SK, HK	3
LAT41 255 1	18:10:40 AN 592 " Los the interneway and i	/PM LMK: 002 NG-13: 212:59 " Section of the Liver River		:54 AN/PM) LI 41 " LONG 13:6 He 47 Hotolykiss	MK: <u>013</u> GPS II 01913 "):
RAIN IN LAST 24 HO	ours □ Heavy r		PRESENT CONDITIONS Clear		eady rain Intermittent vercast Partly cloudy	
SURROUNDING LAN	DUSE: Indus		☐ Urban/Residential ☐ Crop		rested Institutional	
AVERAGE	CONDITIONS (check applicable)	REACH	SKETCH AND SITE IMP	ACT TRACKING	Corte y C
Base Flow as % Channel Width	□ 0-25% □25-50 %	50%-75% □ 75-100%	within the survey red	ach (OT, ER, IB,SC, UT, TR,	ions and IDs for all site impact MI) as well as any additional te direction of flow	's
DOMINANT SUBSTR ☐ Silt/clay (fine or ☐ Sand (gritty) ☐ Gravel (0.1-2.5	slick)	Cobble (2.5 –10") Boulder (>10") Bed rock	Flow 180			
WATER CLARITY ☐ Stained (clear, n ☐ Other (chemicals,	aturally colored) dyes)			7 - 25	1-02 (8)	
AQUATIC PLANTS IN STREAM	Floating: A	one □ some □ lots	ER-R	1 things	inor Inoderale-	
WILDLIFE IN OR AROUND STREAM		ther: Small many	MIS (126)	11-17-R-	52 (LB)	nodala Sheet
STREAM SHADING (water surface)	☐ Halfway (≥: ☐ Partially sha ☑ Unshaded (•	ed (≥73% coverage) 50%) ided (≥25%) VIPC S <25%) Your half of	etion			
CHANNEL AND DYNAMICS	Downcutting Widening Headcutting	g Bank failure Bank scour		+TR -C	OI (LB)	
Unknown	☐ Aggrading☐ Sed. deposition	tion Slope failure Channelized		TB-	OI (TB)	
CHANNEL DIMENSIONS (FACING DOWNSTREAM)	Height: LT bar RT bar Width: Botton	nk(ft)				
DOMISTREAM	Тор	(ft)				
	Fair: Forested or	ILITY Difficult, Must cross				
Good: Open area in public ownership, sufficient room to stockpile materials, easy stream channel access for heavy equipment using existing roads or trails.	developed area adjacent to stream. Access requires tre removal or impact to landscaped areas. Stockpile areas small or distant from the stream.	wetland, steep slope, or sensitive areas to get to stream. Few areas to stockpile available and/or located a great distance from stream.			M-01 (LB)	
NOTES: (biggest prot		vey reach) is the lo	wer parti	·n		
- Channe		THE 10	wer parti	a Black		
- disc	onnect	ion + com	the ffoo	REPORTED TO	AUTHORITIES YES N	1 0

, 1			T	T
	Optimal	Suboptimal	Marginal	Poor
IN-STREAM HABITAT (May modify criteria based on appropriate habitat regime)	Greater than 70% of substrate favorable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient).	40-70% mix of stable habitat; well- suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lack of habitat is obvious; substrate unstable or lacking.
	20 19 18 17 (16)	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
VEGETATIVE PROTECTION (score each bank, determine sides by facing downstream)	More than 90% of the streambank surfaces and immediate riparian zone covered by native vegetation, including trees, understory shrubs, or nonwoody macrophytes; vegetative disruption through grazing or mowing minimal or not evident; almost all plants allowed to grow naturally.	70-90% of the streambank surfaces covered by native vegetation, but one class of plants is not well-represented; disruption evident but not affecting full plant growth potential to any great extent; more than one-half of the potential plant stubble height remaining.	50-70% of the streambank surfaces covered by vegetation; disruption obvious; patches of bare soil or closely cropped vegetation common; less than one-half of the potential plant stubble height remaining.	Less than 50% of the streambank surfaces covered by vegetation; disruption of streambank vegetation is very high; vegetation has been removed to 5 centimeters or less in average stubble height.
	Left Bank 10 9	8 7 6	5 4 3	2 1 0
	Right Bank 10 9	8 7 6	5 4 3	2 1 0
BANK EROSION (facing downstream)	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems.	Grade and width stable; isolated areas of bank failure/erosion; likely caused by a pipe outfall, local scour, impaired riparian vegetation or adjacent use.	Past downcutting evident, active stream widening, banks actively eroding at a moderate rate; no threat to property or infrastructure	Active downcutting; tall banks on both sides of the stream eroding a a fast rate; erosion contributing significant amount of sediment to stream; obvious threat to property or infrastructure.
	Left Bank 10 9	8 7 6	5 4 3	2 1 0
	Right Bank 10 9	8 7 6	5 4 3	2 1 0
FLOODPLAIN CONNECTION	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.
	20 19 18 17 16	15 14 13 12 11	(10) 9 8 7 6	5 4 3 2 1 0
	OVER	ALL BUFFER AND FLOODPLAI	N CONDITION	Company of the second
	Optimal	Suboptimal	Marginal	Poor
Vegetated Buffer Width	Width of buffer zone >50 feet; human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, crops) have not impacted zone.	Width of buffer zone 25-50 feet; human activities have impacted zone only minimally.	Width of buffer zone 10-25 feet; human activities have impacted zone a great deal.	Width of buffer zone <10 feet little or no riparian vegetation due to human activities.
	Left Bank 10 9	8 7 (6)	5 4 3	2 1 0
	Right Bank 10 9	(8) 7 6	5 4 3	2 1 0
FLOODPLAIN VEGETATION	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	Predominant floodplain vegetation type is turf or crop land
	20 19 18 17 16	15 14 13 12 (11	10 9 8 7 6	5 4 3 2 1 0
FLOODPLAIN HABITAT	Even mix of wetland and non-wetland habitats, evidence of standing/ponded water	Even mix of wetland and non-wetland habitats, no evidence of standing/ponded water	Either all wetland or all non- wetland habitat, evidence of standing/ponded water	Either all wetland or all non- wetland habitat, no evidence of standing/ponded water
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
FLOODPLAIN ENCROACH-	No evidence of floodplain encroachment in the form of fill material, land development, or	Minor floodplain encroachment in the form of fill material, land development, or manmade structures, but not effecting floodplain function	Moderate floodplain encroachment in the form of filling, land development, or manmade structures, some	Significant floodplain encroachment (i.e. fill material, land development, or man-made structures). Significant effect on
MENT	manmade structures	15 14 13 12 (11)	effect on floodplain function	floodplain function 5 4 3 2 1 0

Sub Total In-stream: 58 /80

Buffer/Floodplain: 47 /80

Total Survey Reach 105 /160

Channel Modification

~	
	1

WATERSHED/SUBSHED:	likekeepeemee	DATE: 7 / 2?	5/21	ASSESSED BY: SHE
SURVEY REACH ID: (TIME: 1 : CQ. (AM/PM	Рното ID:	: (Camera-Pic #)	#1
SITE ID: (Condition-#) CM		<u>3ੂੰਗ 407"</u> ਤ੍ਰੇਫ਼ਗ '558"	LMK <u>04</u>	GPS: (Unit ID)
TYPE: Channelization	\square Bank armoring \square concrete channel \square F	loodplain encroachm	ent Other:	
MATERIAL:	Does channel have perennial flow?	_	DIMENSIONS:	Q 11 (a)
☐ Concrete ☐ Gabion ☐ Rip Rap ☐ Earthen	Is there evidence of sediment deposition?	I I Ves MI No I	Height Bottom Width	8.4 (ft)
Metal	Is vegetation growing in channel?		Top Width:	60.7 (ft)
Other:	Is channel connected to floodplain?	☐ Yes 🔀 No	Length:	600 (ft)
Base Flow Channel Depth of flow 2.6 Defined low flow channel % of channel bottom 10		ADJACENT STRI Available width Utilities Present	lt <u>SC</u>	(ft) RT SOO(ft) Fill in floodplain? Yes \(\square\) No
POTENTIAL RESTORATION no	ON CANDIDATE Structural repair Ba De-channelization Fis		tion Natural c Bioengin	hannel design
IZATION channel when deep) with no the channel.	n of concrete stream (>500') re water is very shallow (<1" n natural sediments present in Vegetated bars may have for	atural stream channel.	depth, a natura shape similar to	nnel less than 100 ft with good water I sediment bottom, and size and o the unchannelized stream reaches w impacted area.
(Circle #)	5 4 3	` <i>J</i>	2	1
-exposed roots	stretch stretch on the right bank the o burn along the confield	Jimic a w	i i i i i i i i i i i i i i i i i i i	lay in the Stretch

WATERSHED/SUBSHED: 1	ekeepeemee			DATE:]	123/21	ASSES	SED BY: CH PA
SURVEY REACH:		тіме: <u>1</u>	: <u>17 AM</u> /PM	Рното ID	: (Camera-Pio	c #)	/# Q
SITE ID: (Condition-#) STAR	ET LAT 41 . 56	096" L	ONG -73:21	167L"	LMK()6	(GPS: (Unit ID)
IB-OL END	Lat <u>41 : 56</u>	132" L	DNG -73:21	1642"	LMKOT		-
IMPACTED BANK: REAS	SON INADEQUATE:	Lack of v			Widespread inv	asive plar	nts
<u> </u>	Priyate Institutional		ourse Park	Other Publi	c		
(Facing downstream) LT Bank RT Bank				\ X 1:6~	rested		
<u> </u>	Paved Bare ground	X	Tall grass	Shrub/scrub		Other ::	
Invasive Plants:	☐ None Rare		Partial coverage	☐ Exter	nsive coverage	unk	nown
STREAM SHADE PROVIDED?	☐ None ☐ Partia	at 🔲	Full WETL	ands Presei	NT? No	☐ Yes	Unknown
POTENTIAL RESTORATION CA	ANDIDATE Active		n Greenway d	lesign Na	tural regenerati	on 🗌 In	vasives removal
RESTORABLE AREA Length (ft): 100 0 Width (ft): 50 0	POTENTIAL: (Circle #)	TION	Impacted area on pul where the riparian are not appear to be used specific purpose; pler area available for plat	ea does publ d for any pres nty of purp	acted area on eithe lic or private land the ently used for a spoose; available area ting adequate	ecific en for fea	pacted area on private the where road; building croachment or other ature significantly limits ailable area for planting
POTENTIAL CONFLICTS WITH Poor/unsafe access to site	REFORESTATION Existing impervious co	☐ Wide	espread invasive pre animal impact	plants P	otential contam	ination	Lack of sun
Notes: - 3 houses on - healthy tree Vegetation	left ban (sycamores	K Wil) ala	th lawn ng right	mowe t banı	ed to b	h ot	i edge
- Shrub layer r	reeded						
							

Trash and Debris

WATERSHED/SUE	BSHED: WEEK				DATE: 1 / 6		ASSESSED BY: SK, SO, HK
SURVEY REACH	D: 0/	,	тіме: <u> 2</u>	<u>:38(ам</u> /рм	Рното ID: (С	amera-Pic #) Ce l	ne/#
SITE ID: (Condition	n-#) TR- <u>O</u> L	Lat <u>41</u>	<u>: 56</u>	<u>336</u> " Lon	<u>673:a1 '57</u>	•	CDC (**
Type: Industrial Commercial Residential	MATERIAL: Plastic Tires Appliances Automotive	☐ Pape ☐ Cons ☐ Yard	struction d Waste	☐ Metal ☐ Medical	SOURCE: Unknown Flooding Illegal dump Local outfall	LOCATION: Stream Riparian A	loads):
POTENTIAL REST	TORATION CANDI	7 '	Other:	-		_	revention of dumping
If yes for trash or debris removal	EQUIPMENT NEE WHO CAN DO IT:		Heavy e	quipment 🔲 T ers 🔲 Local (rash bags 💢 Unkn Gov 🔲 Hazmat To	own hand +0015 earn Other	DUMPSTER WITHIN 100 FT: Yes X No Unknown
CLEAN-UP POTENTIAL: (Circle #)	A small amount of the than two pickup truck inside a park with east	loads) locate	with ea	sy access. Trash	or bulk items, in a small a may have been dumped of it could be cleaned up it small backhoe.	over area, where a	nt of trash or debris scattered over a large ccess is very difficult. Or presence of drums of hazardous materials
(Circle #)	5		,	4	3	2	11
Notes: -pool lin -special t	er, can rip need	not ped) ick	up and	carry a	ut with	US
					· · · · · · · · · · · · · · · · · · ·	REPORTE	D TO AUTHORITIES YES NO

Impacted Buffer

IB |

Watershed/subshed: Weekee	DATE:	7/23/5021 AS	SESSED BY: CH, PP, SIC, 5
		DID: (Camera-Pic #)	/#
SITE ID: (Condition-#) START LAT 41.56. 189' LONG		' LMK 009	GPS: (Unit ID)
IB-02 END LAT _ ' _ ' LONG			
MPACTED BANK: REASON INADEQUATE: Lack of vege		☐ Widespread invasive	plants
LT RT Both Recently plan			
LAND USE: Provate Institutional Golf Cour (Facing downstream) LT Bank	rse Park Other:		
(Facing downstream) LT Bank 🔲 🗆 🗆 RT Bank 🗆 🗆			
DOMINANT Paved Bare ground Turf/lay/n	Tall grass Shrub/s		
LAND COVER: LT Bank	ă o	 :	
RT Bank 🗌 🔲 🗔			
INVASIVE PLANTS: 🔲 None 📮 Rare 💆 Par	tial coverage	Extensive coverage	unknown
STREAM SHADE PROVIDED? None Partial Ful	WETLANDS PI	RESENT? No 🗆	Yes Unknown
POTENTIAL RESTORATION CANDIDATE Active reforestation	Greenway design	Natural regeneration	Invasives removal
no Other:		, , , , , , , , , , , , , , , , , , ,	
	acted area on public land	Impacted area on either	Impacted area on private
LI BANK RI REFORESTATION	re the riparian area does appear to be used for any	public or private land that is presently used for a specific	land where road; building encroachment or other
	cific purpose; plenty of available for planting	purpose; available area for planting adequate	feature significantly limits available area for planting
Width (ft):		<u> </u>	2 1
POTENTIAL CONFLICTS WITH REFORESTATION	read invasive plants	☐ Potential contamination	n Lack of sun
Poor/unsafe access to site Existing impervious cover Severe a		***************************************	
NOTES:			
- 3 (CSidukal lots with	lade obs	n level (4)	√nS
- Some imagine hers a	iong the	bank	
NOTES: - 3 (CSIANKAL LOTS WITH - Some invalue heres a - (OULD USE UNIVSTAY	vegeta ta	1, SUCH 45 SK	irubs w
tall 91955			

Miscel	llaneous

IVI
T A "W" T

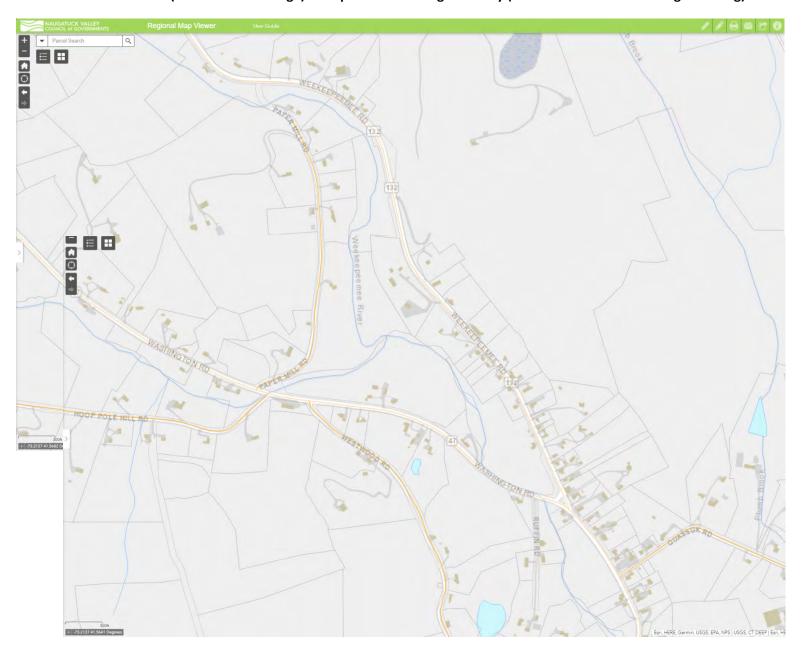
SURVEY REACH ID: ()\	e DATE: 7/23/202	ASSESSED BY: CH. PP, SIC	301116
	TIME: 1:20 AMPM	Pното ID: (Camera-Pic #)	` 4 /#
SITE ID: (Condition-#) MI-O LAT_	° ''' Long'	' <u>" LMK: 010</u>	GPS: (Unit ID)
POTENTIAL RESTORATION CANDIDATE			ent
□ no	Discharge Prevention Other	•	
DESCRIBE: GOGES GR PASS	ut at top of s	Steep Slope und we (Steep vegetation, T	fercia in.
stope talk use	SOM MAK NA	(sky verekhon, t	N12 101 101 11
right bank, 11	00 fut for he (W	Пт. ф.
		REPORTED TO LOCAL AU	THORITIES Yes V No
WATERSHED/SUBSHED:	DATE:/	ASSESSED BY:	
SURVEY REACH ID:	TIME::AM/PM	Рното ID: (Camera-Pic #)	/#
SITE ID: (Condition-#) MI LAT	° ' "Long	' " LMK:	GPS: (Unit ID)
POTENTIAL RESTORATION CANDIDATE	Storm water retrofit Stream	n restoration 🔲 Riparian Manageme	ent
□ no	Discharge Prevention Other	:	
		Reported to local at	THORITIES Yes No
		REPORTED TO LOCAL AU	THORITIES Yes No
WATERSHED/SUBSHED:	DATE://	REPORTED TO LOCAL AU ASSESSED BY:	THORITIES Yes No
WATERSHED/SUBSHED: SURVEY REACH ID:	DATE;/ TIME:;AM/PM		THORITIES Yes No
		ASSESSED BY:	
SURVEY REACH ID: SITE ID: (Condition-#) MI LAT	TIME::AM/PM ' " LONG'	ASSESSED BY: PHOTO ID: (Camera-Pic #)	/# GPS: (Unit ID)
SURVEY REACH ID: SITE ID: (Condition-#) MI LAT POTENTIAL RESTORATION CANDIDATE	TIME::AM/PM ' " LONG'	ASSESSED BY: PHOTO ID: (Camera-Pic #) LMK: restoration Riparian Management	/# GPS: (Unit 1D)
SURVEY REACH ID: SITE ID: (Condition-#) MI LAT POTENTIAL RESTORATION CANDIDATE no	TIME::AM/PM o''' LONG' Storm water retrofit	ASSESSED BY: PHOTO ID: (Camera-Pic #) LMK: restoration Riparian Management	/# GPS: (Unit 1D)
SURVEY REACH ID: SITE ID: (Condition-#) MI LAT POTENTIAL RESTORATION CANDIDATE	TIME::AM/PM o''' LONG' Storm water retrofit	ASSESSED BY: PHOTO ID: (Camera-Pic #) LMK: restoration Riparian Management	/# GPS: (Unit 1D)
SURVEY REACH ID: SITE ID: (Condition-#) MI LAT POTENTIAL RESTORATION CANDIDATE no	TIME::AM/PM o''' LONG' Storm water retrofit	ASSESSED BY: PHOTO ID: (Camera-Pic #) LMK: restoration Riparian Management	/# GPS: (Unit 1D)
SURVEY REACH ID: SITE ID: (Condition-#) MI LAT POTENTIAL RESTORATION CANDIDATE no	TIME::AM/PM o''' LONG' Storm water retrofit	ASSESSED BY: PHOTO ID: (Camera-Pic #) LMK: restoration Riparian Management	/# GPS: (Unit 1D)
SURVEY REACH ID: SITE ID: (Condition-#) MI LAT POTENTIAL RESTORATION CANDIDATE no	TIME::AM/PM o''' LONG' Storm water retrofit	ASSESSED BY: PHOTO ID: (Camera-Pic #) P' LMK: n restoration	/# GPS: (Unit 1D)

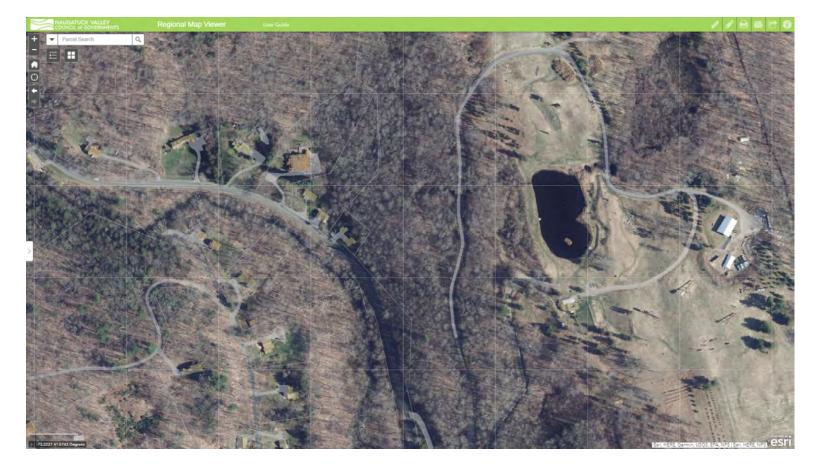
	\ / 6 ^ /				n.	71777		211 00 CV
WATERSHED/SUBSHED:	7			(/	l .			SSED BY: CH, PP, SK
	<u>ρι</u>			:47 _{AM/PM}	L	ID: (Camera-Pic	· #) 	/#
SITE ID: (Condition-#)	START LA	ат <u>Ч1 ° 56'</u>	De L	ong- <u>73°2</u>	<u>'758''</u>	LMK <u>041</u>		GPS: (Unit ID)
<u>тв03</u>	END LA	AT'	" L	ONG°	_''	, LMK <u>() l</u>	2	
								
IMPACTED BANK:	REASON IN		_	-		Widespread inv	asive pl	ants
LT RT Both			Recently					
LAND USE:	Private	Institutional	Golf	Course Park	Other P	ublic		
(Facing downstream) LT Ba								
DOMINANT	Paved	Bare ground	Turf/law				Other	
LAND COVER: LT Ba			Tui / iaw					
RT Ba	-	ä	4	H		/		
Invasive Plants:	☐ Non	ie 🔲 Rare		Partial coverage	TATE	xtensive coverage	-	ıknown
								
STREAM SHADE PROVI	DED? Mon	ne 🗌 Partial	l <u> </u>	Full WETL	ANDS PRI	ESENT? 🗖 No	☐ Ye	s Unknown
							$-\!\!\!\perp$	
POTENTIAL RESTORAT	ON CANDIDA			on Greenway	design M	Natural regeneration	on 🛂 I	nvasives removal
no .		Other:			·			
RESTORABLE AREA				Impacted area on pu		Impacted area on either		Impacted area on private
Length (ft): 150 BAY	ık RT	REFORESTAT	TION	where the riparian an not appear to be use		public or private land the presently used for a spe-		land where road; building encroachment or other
Length (ft): 159		POTENTIAL:		specific purpose; ple	nty of	purpose; available area	for 1	feature significantly limits
Width (ft):		(Circle #)		area available for pla	inting	planting adequate		available area for planting
		<u> </u>		5	4	3	(2)) 1
POTENTIAL CONFLICTS			♥ Wid	espread invasive	plants [Potential contam	ination	Lack of sun
Poor/unsafe access to s	te L Existing	g impervious cove	er 🗀 Seve	ere animai impac	ts (deer, be	aver) Utner:		
NOTES:								
٢) - c - F (ale ba	J ex	(ans 24	coma	ge of M	ug w	14 W 9
— k	(13N1 1	with wa	io of	10010				
		50, 500	nture	e d				
) years	.30 KI	0 (10					
			Co. L	Can CM	. 149	e, herel	19	MU Mith
~ \-	fouse "	about 100	teet	+ OM 110	1	\ \		
1	hora 5	Foot wik	buffe	l of mrai	snes			
G 108	2 / 144/ 2	1 00 1 10110						
								i

Reach 2 – Route 47 (Hotchkissville Bridge) to Paper Mill Road Right of Way (ROW access at former bridge crossing)



Reach 2 – Route 47 (Hotchkissville Bridge) to Paper Mill Road Right of Way (ROW access at former bridge crossing)









SURVEY REACH ID: Od		Keepeemee	DATE:07/67 /61	HK,SO,SK	ᡣ᠈ᡰᡰᢢ
START TIME: 10:076	MPM LMK: 013	END TIME:	_:	K:025	GPS ID:
LAT41:567:44" I	ONG -73:217 '86"	LAT 41:576'0	7_" LONG -73.3	<u>3641"</u>	
DESCRIPTION: (OUTE 4) HOT			oss from end of	papamel	
DESCRIPTION (OU C 17 O.	The string E	FO	id, former cr	035179	
Rain in last 24 hours Heav	y rain	PRESENT CONDITIONS	☐ Heavy rain ☐ Stea	dy rain 🗆 Interm	ittent
None		Clear	☐ Trace ☐ Ove	=	
	lustrial Commercial		Suburban/Res KFore		
	olf course Park			er: Dad right	
AVERAGE CONDITION	S (check applicable)	The state of the s	KETCH AND SITE IMPA		A Marian
BASE FLOW AS % 0-25%	★ 50%-75%	Simple planar sketch o	f survey reach. Track locatio	ns and IDs for all si	te impacts
CHANNEL WIDTH □25-50 %	/ Y	within the survey rea	ch (OT, ER, IB,SC, UT, TR, M leemed appropriate. Indicate	AI) as well as any ac	lditional
DOMINANT SUBSTRATE	G 111 (0.5 100)	$ \mathcal{D} $, ,		,
☐ Silt/clay (fithe or slick)☐ Sand (gritty)	Cobble (2.5 –10") Boulder (>10")				
☐ Gravel (0.1-2.5")	☐ Bed rock		(-
		11. IB	+		
WATER CLARITY Clear		16/0m 09	. \ \ \ \ \ \ \	R-na	
☐ Stained (clear, naturally colored ☐ Other (chemicals, dyes)	() Upaque (milky)				
`		1			
	☐ none x some ☐ lots			Š.	
	none □ some □ lots		1	•	
WILDLIFE IN OR Evidence of)	V n		1	1	
A TISH	Beaver Deer Other:		TR A	**	
	naded (≥75% coverage)		61		
STREAM SHADING Halfway			1		
	shaded (≥25%)	,	CM-+	•	
- ☐ Unshade	1 (< 25%)		<i>∞</i> a ./	*	
CHANNEL Downcu	tting Bed scour]		3-
DYNAMICS Widening	g Bank failure		/	/ 0	1
☐ Headcut					-
☐ Unknown ☐ Sad dam	-				
Sed. der	osition Channelized				
CHANNEL Height: LT	bank 12 (ft)			/	
CHANNEL	bank $\sqrt{2}$ (ft)				
(FACING Width: Bot	200		1 /		
DOWNSTREAM) Top	- 7				
	SIBILITY	1	1		
Fair Forested		-	\ \		
nublic ownership developed area	wetland, steep slope, or		\ \		
sufficient room to Access require		~M. ~	T = I		
stockprie materials, removal or imp	act to stockpile available	Chickens	" T \		
access for heavy Stockpile areas		Chickens	1		
equipment using small or distant existing roads or trails.	from Specialized heavy				
sueam.	equipment required.	4	/ /	13	
5 4 3 NOTES: (biggest problem you see in	survev reach)	1		•	
areas of cho	nnelization	and impac	sted buffers	\$	
WIEWS OF OIN	Carlotte Committee of	() () ()			
	,		Reported to	AUTHORITIES 🔲 `	YES NO

	Optimal	Suboptimal	Marginal	Poor		
IN-STREAM HABITAT (May modify criteria based on appropriate habitat regime)	Greater than 70% of substrate favorable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient).	40-70% mix of stable habitat; well- suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lack of habitat is obvious; substrate unstable or lacking.		
	20 19 18 17 (16)	15 14 13 12 11	5 4 3 2 1 0			
VEGETATIVE PROTECTION (score each bank, determine sides by facing downstream)	More than 90% of the streambank surfaces and immediate riparian zone covered by native vegetation, including trees, understory shrubs, or nonwoody macrophytes; vegetative disruption through grazing or mowing minimal or not evident; almost all plants allowed to grow naturally.	70-90% of the streambank surfaces covered by native vegetation, but one class of plants is not well-represented; disruption evident but not affecting full plant growth potential to any great extent; more than one-half of the potential plant stubble height remaining.	50-70% of the streambank surfaces covered by vegetation; disruption obvious; patches of bare soil or closely cropped vegetation common; less than one-half of the potential plant stubble height remaining.	Less than 50% of the streambank surfaces covered by vegetation; disruption of streambank vegetation is very high; vegetation has been removed to 5 centimeters or less in average stubble height.		
	Left Bank 10 9	8 (7) 6	5 4 3	2 1 0		
	Right Bank 10 9	8 7 6	5 4 3	2 1 0		
BANK EROSION (facing downstream)	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems.	Grade and width stable; isolated areas of bank failure/erosion; likely caused by a pipe outfall, local scour, impaired riparian vegetation or adjacent use.	Past downcutting evident, active stream widening, banks actively eroding at a moderate rate; no threat to property or infrastructure	Active downcutting; tall banks on both sides of the stream eroding a a fast rate; erosion contributing significant amount of sediment to stream; obvious threat to property or infrastructure.		
	Left Bank 10 9	(8) 7 6	5 4 3	2 1 0		
	Right Bank 10 9	8 (7) 6	5 4 3	2 1 0		
FLOODPLAIN CONNECTION	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.		
	20 19 18 17 (16)	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0		
	OVER	ALL BUFFER AND FLOODPLAI	N CONDITION			
	Optimal	Suboptimal	Marginal	Poor		
Vegetated Buffer Width	Width of buffer zone >50 feet, human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, crops) have not impacted zone.	Width of buffer zone 25-50 feet; human activities have impacted zone only minimally.	Width of buffer zone 10-25 feet; human activities have impacted zone a great deal.	Width of buffer zone <10 feet. little or no riparian vegetation due to human activities.		
	Left Bank 10 9	7 6	5 4 3	2 1 0		
	Right Bank 10 9	8 7 6	3 4 3	2 1 0		
FLOODPLAIN VEGETATION	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	Predominant floodplain vegetation type is turf or crop land		
	20 19 18 17 16	15 14 (13) 12 11	10 9 8 7 6	5 4 3 2 1 0		
FLOODPLAIN HABITAT	Even mix of wetland and non-wetland habitats, evidence of standing/ponded water	Even mix of wetland and non-wetland habitats, no evidence of standing/ponded water	Either all wetland or all non- wetland habitat, evidence of standing/ponded water	Either all wetland or all non- wetland habitat, no evidence of standing/ponded water		
	20 19 18 17 16	15 14 13 12 11	10 9 (8) 7 6	5 4 3 2 1 0		
FLOODPLAIN ENCROACH- MENT	No evidence of floodplain encroachment in the form of fill material, land development, or manmade structures	Minor floodplain encroachment in the form of fill material, land development, or manmade structures, but not effecting floodplain function	Moderate floodplain encroachment in the form of filling, land development, or manmade structures, some effect on floodplain function	Significant floodplain encroachment (i.e. fill material, land development, or man-made structures). Significant effect on floodplain function		
	1	(15) 14 13 12 11		5 4 3 2 1 0		

1

01	NA 1000 40 - 14
Unannei	Modification

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L

WATERSHED/SUBSHED: Weekeepee mee				DATE: (1) / (2) / (2) ASSESSED BY: (3)						
SURVEY REAC		<i>9</i> -	TIME: 10 : 2	AM/PM	Рното II	D: (Camera-Pic #)	# @			
SITE ID: (Cond	dition-#)	START LAT	56 749"	Long	3.º217'86"	LMK <u>013</u>	GPS: (Unit ID)			
CM-OI		END LATY	56'710'	Long]	<u> 3:21920"</u>	LMK <u>014</u>				
TYPE: Cha	annelization	Bank armoring	concrete ch	annel 🔲 Fi	loodplain encroach	ment Other:				
MATERIAL:		Does channel hav	ve perennial flo	ow?	Yes No	DIMENSIONS:				
Concrete	_	Is there evidence	of sediment de	eposition?	Yes No	Height Bottom Width	(ft)			
☐ Rip Rap ☐ Metal	Earmen	Is vegetation gro	wing in channe	el?	Yes No	Top Width:	(ft)			
Other:		Is channel connec	cted to floodpl	ain?	Yes 🗆 No	Length:	1000 (ft)			
Depth of flow Defined low f							_			
POTENTIAL R	ESTORATIO		☐ Structural rep☐ De-channeliz	•	se flow channel cre h barrier removal	eation Natural of Bioengin	channel design			
CHANNEL- IZATION SEVERITY:	channel where	tion of concrete stream (>500') here water is very shallow (<1" no natural sediments present in Vegetated hars may have for			natural stream channel. channel shape simil		channel less than 100 ft with good water tural sediment bottom, and size and ar to the unchannelized stream reaches below impacted area.			
(Circle #)		5	4	3		2	1			
Flood plain connected on left bank, powerines along right bank, route 47 10-16 ft from rivers edge on right bank, flood in large rainfall, large scook where river turns sharply										
route 4	17 10	-15 Pt pro	un una	s eag	e an nig	nt oank	>Flood in			
large r	ainfai	i, large sc	our whe	enve	ic turns s	sharply :				

WATERSHED/SUBSHED:	Lieevice	peemee	<u> </u>			Date:07	127 /21	Ass	SESSED BY:
SURVEY REACH: (3)				<u>: 15 A</u>	PM	Рното ID	: (Camera-P		/# 1
SITE ID: (Condition-#)	START LA	т41:57	061"	Long 3	:39	-085°	LMKQ)	6	GPS: (Unit ID)
IB-O\	END LA	N P		LONG		- Land	LMK_		
IMPACTED BANK: LT RT Both	REASON IN	ADEQUATE:	•	-	Too Other		Widespread in	vasive	plants
LAND USE:	Private	Institutional	· -		ark	Other Publi	ic Vineya	rd	
(Facing downstream) LT Bar			L	- '		∐։			
RT Bar		Dara around	Turf/lav	J l		☐ : Shrub/scrub	Trees	Other	
DOMINANT LAND COVER: LT Ba	Paved nk □	Bare ground	I UFI/IAV	wn rang	grass S	siruo/scruo	Trees		mulch, neadowy grow
RT Bai		П	<u>-</u> -	י ר	า	র	×	ys . □:	9.0
INVASIVE PLANTS:		e 🗆 Rare	<u> </u>	Partial cov	erage	☐ Exte	nsive coverage		unknown
STREAM SHADE PROVID	ED? Non	e Partial					NT? No		es ∏ Unknown
STREAM SHADE I KOVID	201 1100	O A Turnin			WEILA	NDS I RESE	111.		o dikilowi
POTENTIAL RESTORATION 100	ON CANDIDA	TE Active	reforestat	ion 🗌 Green	nway de	sign X Na	ntural regenera	tion [Invasives removal
RESTORABLE AREA		-	• •	Impacted are	a on nubli	c land Imr	acted area on eith	ner	Impacted area on private
LT BAN Length (ft): 100200	K RT	REFORESTAT POTENTIAL: (Circle #)	TION	where the rip not appear to specific purp area available	arian area be used fose; plenty	does pub for any pre- y of pun	lic or private land sently used for a s pose; available an ating adequate	that is pecific	land where road; building encroachment or other feature significantly limits available area for planting
Width (ft): 100				5		4	(3)		2 1
POTENTIAL CONFLICTS Poor/unsafe access to si			□ Wi	idespread inv	vasive pl impacts	lants	otential conta	minatio	n Lack of sun
NOTES:									<u> </u>
-200-300 (
-left bank i									
-agriculture	usag	e, we	ady i	in con	verg	ation	with	+0	wn
			-						
							* .		

Channel Modification

WATERSHED/SUBSHI	mee	DATE: 07/27 / Q ASSESSED BY:						
SURVEY REACH ID:	08	Тіме: 11 :3	O AM)PM	Рното II): (Camera-Pic #)	# 5		
SITE ID: (Condition-#)	START LAT 41.00	57 082"		<u>3:32:346"</u> 3:32:388	LMKON Z	GPS: (Unit ID)		
Type: Channelization Bank armoring concrete channel Floodplain encroachment Other:								
MATERIAL:	Does channel hav			Yes □ No	DIMENSIONS:	pig.		
Concrete Gabic	12 mere exidence	of sediment de	eposition?	☐ Yes No	Height Bottom Width	(ft) (ft)		
☐ Rip Rap Rap Earth	Rip Rap Earthen Is vegetation growi			☐ Yes No	Top Width:	(ft)		
Other:	Is channel connec	cted to floodpla	ain?	Yes 🗌 No	Length:	30C (ft)		
Depth of flow Defined low flow cha % of channel bottom POTENTIAL RESTOR	nnnel? Yes No	Structural rep	oair 🔲 Ba	Available width Utilities Presen Yes No se flow channel cre	t?	fill in floodplain? Yes No Channel design Can't tell		
X no	[De-channeliz	zation 🗌 Fis	h barrier removal	Bioengi	neering		
IZATION channe deep) with the characteristics.	section of concrete stream (>50) where water is very shallow (< nith no natural sediments preser nnel.	e water is very shallow (<1" heginning to function as a nati			depth, a natura shape similar t	annel less than 100 ft with good water al sediment bottom, and size and to the unchannelized stream reaches ow impacted area.		
(Circle #)	5	4	3		2			
NOTES:								
-not extensive armouring, plenty of room for restoration -not impacting flow, at intersection with sprain Brook								
-not impac	thing flow, a	ut l'inter	section	s with s	busic 18	smook		
-extends o	xast intersect	icn add	kharal	2064				

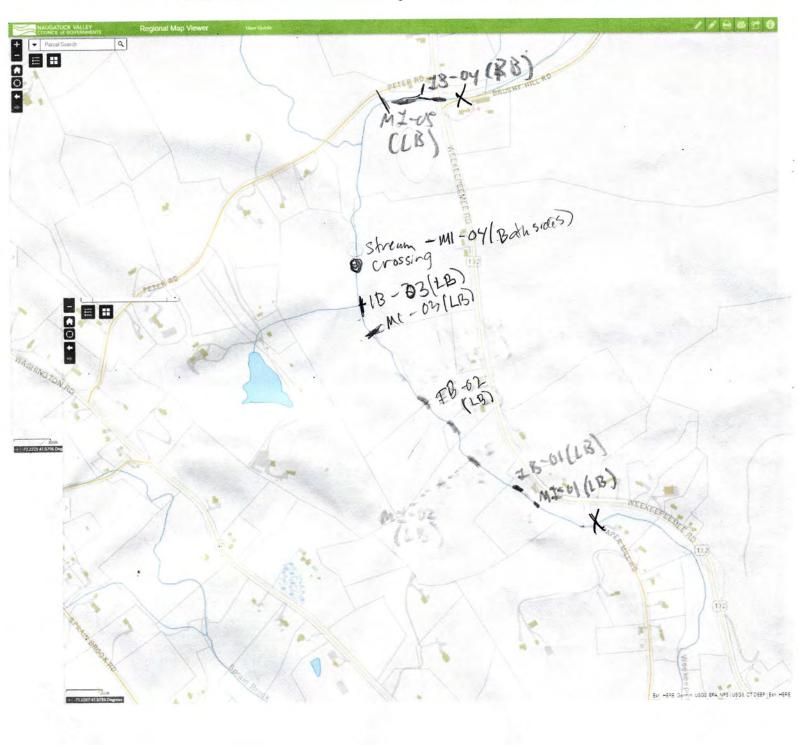
WATERSHED/SUI	BSHED: WEEK	enseque	9	DATE: 01 / 2	1/21	ASSESSED BY: SK SG H		
SURVEY REACH ID: 02 TIME: 1 : 39 AMPM PHOTO ID: (Camera-Pic #) /#								
SITE ID: (Condition-#) TR-O1 LAT 41:571 '04 "LONG-3:22 '359" LMK O18 GPS: (Unit ID)								
TYPE: Industrial Commercial Residential	MATERIAL: Plastic Tires Appliances Automotive	Paper Construct Yard W		SOURCE: Unknown Flooding Illegal dump Local outfall	LOCATION: Stream Riparian Ar Lt bank Rt bank	loads)		
POTENTIAL REST	FORATION CAND	IDATE Str	eam cleanup Strea	am adoption segment	Removal/p	revention of dumping		
If yes for trash or debris removal	EQUIPMENT NEE WHO CAN DO IT:		eavy equipment 💹 T	rash bags 🔲 Unknov Fov 🔲 Hazmat Tea		DUMPSTER WITHIN 100 FT: Yes No Unknown		
CLEAN-UP POTENTIAL: (Circle #)	CLEAN-UP POTENTIAL: A small amount of trash (i.e., less than two pickup truck loads) located inside a park with easy access A large amount of trash, or bulk items, in a small area with easy access. Trash may have been dumped over a large amount of trash or debris scattered over a							
(Circle #)	5		4	3	2	1		
Notes: -private property with a small amount of trash in localized area -we were able to carry out most of the trash with us								
					Reporte	D TO AUTHORITIES YES NO		

WATERSHED/SUBSHED: WECKCOCCOCC				DATE: 1 ASSESSED BY: 25 ASSESS				
SURVEY REACH	D: 00L	Тіме: 16	L:D (M)M	Рното ID: (Са	mera-Pic #)	/#		
SITE ID: (Condition	SITE ID: (Condition-#) TR-02 LAT41:57 '465" LONG 13:222' 98" LMKO19 GPS: (Unit ID)							
TYPE: Industrial Commercial Residential	MATERIAL: Plastic Tires Appliances Automotive	☐ Paper ☐ Construction ☐ Yard Waste ☐ Other: Show	Metal [Medical [SOURCE: Unknown Flooding Illegal dump Local outfall	LOCATION: Stream Riparian Are Lt bank Rt bank	LAND OWNERSHIP: Public Unknown Private AMOUNT (# Pickup truck loads):		
POTENTIAL REST	TORATION CANDII	Stream c	leanup 🗌 Strean	adoption segment	Removal/pro	evention of dumping		
If yes for trash or debris removal	EQUIPMENT NEED			sh bags Unkno		DUMPSTER WITHIN 100 FT: ☐ Yes No ☐ Unknown		
CLEAN-UP POTENTIAL:	A small amount of trash (i.e., less than two pickup truck loads) located with easy access. Trash may have been dumped over a large amount of trash or debris scattered over a large with easy access. Trash may have been dumped over a large where access is very difficult. Or presence of drums							
(Circle #)	5		4	3	2	1		
Notes: -large (-most lil	amount of kely litter as bother	Small to Rom pas , as well	ash item sing ver	ns near- ontles	the road	O TO AUTHORITIES YES NO		
- some re	mared but	- tires	remains		Reported	TO AUTHORITIES YES NO		

WATERSHED/SUBSHED:	weeke	ebeer	ree_		DATE: Q	127/21	ASSESSED BY:
SURVEY REACH: 02			Тіме:	L:50_AM(PM)	Рното I	D: (Camera-Pi	
SITE ID: (Condition-#)	START L	AT 41 .°57	'613''	Long -73.º 23	١١ ١١ ١١	<u>гмк()9</u>	GPS: (Unit ID)
IB-03				Long 13:35		LMK A	27
IMPACTED BANK: LT RT Both	REASON IN	ADEQUATE:		vegetation To y planted Ot] Widespread in	vasive plants
LAND USE:	Private			Course Park	Other Pul	blic	Mr.)
(Facing downstream) LT Ban	\					aligner of u	
RT Ban DOMINANT	Paved	Bare groun	d Türf/lav	J Ll	Shrub/scru	ıb Trees	Other
LAND COVER: LT Bar				•		X	
RT Ban			1	ì			: :
Invasive Plants:	Nor	ne 🗌 Rar	e [Partial coverage	☐ Ex	tensive coverage	unknown
STREAM SHADE PROVID	ED? Nor	ne XPar	tial [Full WETI	ANDS PRES	SENT? No	☐ Yes ☐ Unknown
POTENTIAL RESTORATION	ON CANDIDA	TE Action	ve referentet	ion Greenway	design X 1	Natural receneme	ion Invasives removal
no	UN CANDIDA	TE ☐ Activ		ion Lioreciiway	nesiku 💌	Januar Iekenerar	ion in misasises lemosai
RESTORABLE AREA			01.		shile lead 1		
,	v DT	REFOREST	ATION	Impacted area on pe where the riparian a	rea does p	npacted area on eith ublic or private land t	hat is and where road; building
Length (ft):	බ් ජර්	POTENTIA		not appear to be use specific purpose; ple		resently used for a sp urpose; available are	
	30	(Circle #)		area available for pla		lanting adequate	available area for planting
Width (ft):	<u> </u>			5	4	3	2 1
POTENTIAL CONFLICTS V	with REFOR	ESTATION g impervious o	□ Wi cover □ Se	idespread invasive vere animal impac	plants ts (deer, bea	Potential contant ver) Other:	nination Lack of sun
NOTES:							
-understmi	has t	seen c	lear c	iome topo	> ma	deriva co	and trans
				en al local		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
-missing a	Shrub	lay to	ragi	cood Cou	4.6		
-understory -missing a -private 10	and, h	as bee	n Cie	eared bu	CLUXY	er	
		600	Pul	O Color	· • • • • • •	·	A Company
-plenty of	400W	ra i		Picarining	D/ na	at an	arrige se
-plenty of back 150	th						

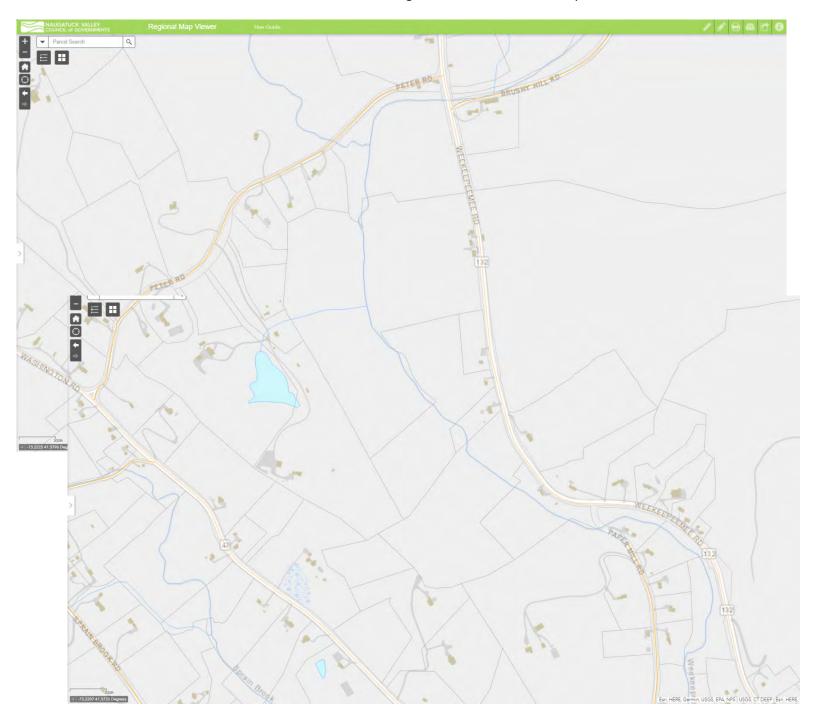
Reach 3 - Papermill Road to Route 132 Bridge at Brushy Hill)

Note – Start at ROW for former bridge off Route 132 and work upstream



Reach 3 – Papermill Road to Route 132 Bridge at Brushy Hill)

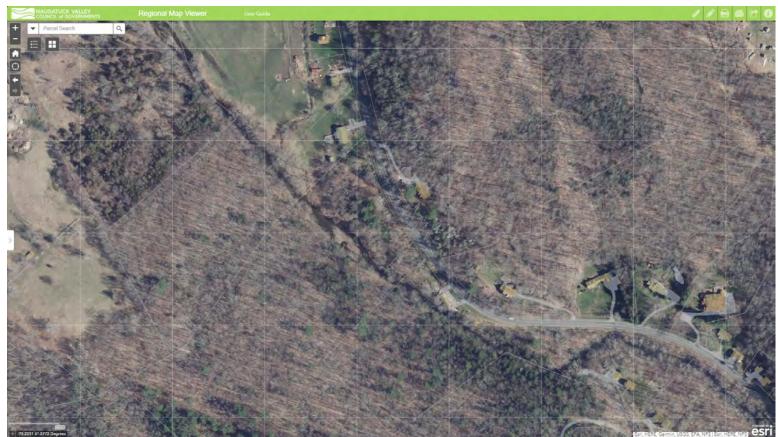
Note – Start at ROW for former bridge off Route 132 and work upstream











SURVEY REACH I		WTRSHD/SUBSHD: W	eeveepeer	DATE:07/		SSED BY: CH.PA
START TIME AT 41° 560' DESCRIPTION: CO	44" La	EN TWK: 65	" LAT 40°C			GPS ID:
AIN IN LAST 24 HO None	☐ Intermi	itent 🗆 Trace	Present condr			Intermittent Partly cloudy
No.	□ Golf	strial Commerci	al Urban/Reside	ntial b Suburban/Ra □ Pasture	es Forested Other:	☐ Institutional
AVERAGE	CONDITIONS	(check applicable) 50%-75%		ACH SKETCH AND sketch of survey reach.	100 P	
CHANNEL WIDTH	□25-50 %	XL75-100%	within the sur	rvey reach (OT, ER, 1B,S atures deemed appropri	C, UT, TR, MI) as we	ll as any additional
OMINANT SUBSTRATE SHIP (Fine or Sand (gritty) ☐ Grave (1).1-2.5	slick)	Cobble (2.5 –10") Boulder (>10") Bed rock	A IB	B)	DI Joseph	CC L
Stained (clear, no Other (chemicals,	aturally colored)	of (suspended matter) Opaque (milky)	FIOW			The particular of the particular
QUATIC PLANTS IN STREAM	Floating:	prone ■ some □ tot none □ some □ lots			1	Cite a M
Wildlife in or Around Stream	☐ Fish ☐ E	caver Decr Other: CACGOO S			Property (1) in	1
STREAM SHADING water surface)		aded (≥25%)	er i		M2-4	(TROS
HANNEL DYNAMICS Unknown	Downcutti Widening Headcuttii Aggrading	Bank failur Bank scour Slope failur	e	+	M 1 - 05	With read
FACING	Height: LT be	mk 5-15 (ft)		In 2 -	07
	Top EACH ACCESS Fair: Forested or	Difficult. Must cross)	Control of the Contro		12 19 4 1 12 19 4 1
ood: Open area in ublic ownership, efficient room to octobe materials.	developed area adjacent to stream Access requires to removal or impact	wetland, steep slope, of sensitive areas to get to stream. Few areas to stockpile available			IB-01	
coss for heavy quipment using xisting meds or trails.	Inndscaped areas. Stockpile areas small or distant fro attent.	Specialized healing and equipment required.		++	nI-01	
ores: progress probe	ed buff	res	: : ! \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Turbrd use 100	vater	wits
- mash w	West	ax present	e	REPO	RTED TO AUTHORY	TIES YES NO
- MMIA	nal br	K erosion		- possible	- CHANK	14 (ModAnu

	Optimal	Suboptimal	Marginal	Poor		
IN-STREAM HABITAT (May modify criteria based on appropriate habitat regime)	Greater than 70% of substrate favegable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient).	40-70% mix of stable habitat; well-suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lact of trabitat is obvious; substrate unstable or lacking.		
	20 19 18 17	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0		
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	Left Bank 10 9	8 7 6	5 4 3	2 1 0		
	Right Bank 10 (9)	8 7 6	5 4 3	2 1 0		
Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems. <5% of bank affected.		Grade and width stable; isolated areas of bank fallure/erosion; likely caused by a pipe outfall, local scour, impaired riparian vegetation or adjacent use.	Past downcutting evident, active stream widening, banks actively eroding at a moderate rate; no threat to property or infrastructure	Active downcutting; tall banks on both sides of the stream eroding a fast rate; erosion contributing significant amount of sediment to stream; obvious threat to property or infrastructure.		
- E	Left Bank 10 9	7 6	5 4 3	2 1 0		
	Right Bank 10 9 ~	<u>L8</u> 7 6	5 4 3	2 1 0		
FLOODPLAIN CONNECTION	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfuil) able to enter floodplain. Stream not deeply entrenched. 15 14 13 12 11 ALL BUFFER AND FLOODPLAI	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenobal.	High flows (greater than bankfull) net able to enter floodplain. Stream deeply entrenched.		
			The state of the s			
	Optimal	Suboptimal	Marginal	Poor		
VEGETATED Buffer Width	Width of buffer zone >50 feet; human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, crops) have not impacted zone.	Width of buffer zone 25-50 feet; human activities have impacted zone only minimally.		or no riperan vegetation due to human activities.		
	Left Bank 10 9	8 7 6	5 4 (3)	2 1 0		
	Right Bank 10 9	8 (7) 6	5 4 3	2 1 0		
FLOODPLAIN VEGETATION	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	Predominant floot type is turf or crop land		
	20 19 18 17 16.	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0		
FLOODPLAIN HABITAT	Even mix of wetland and non-wetland habitats, evidence of standing/ponded water	Even mix of welland and non-wetland habitals, no evidence of standing/panded water	Either all welland or all non- welland habitat, evidence of standing/journed water	Standing to the standard of the standing to th		
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	(3) 4 3 2 1 0		
FLOODPLAIN ENCROACH- MENT	No evidence of floodplain encroachment in the form of fill material, land development, or manmade structures	Minor floodplain encroachment in the form of fill material, land development, or manmade structures, but not effecting floodplain function	Mederate floodplain eneroschment in the formet in the fore	Significant floodplain encroachment (i.e. fill material, tand development, or man-made structures). Significant effect on thoodplain function		
	20 19 18 17 (16)	(AB) 14 13 12 11	10 9 1 6	5 4 3 2 1 0		

WATERSHED/SUBSHED:	DATE: 07 /907 / 2021	ASSESSED BY: PP CH, HK, SK, SD
SURVEY REACH ID: 113	TIME: 2: 16 AM/PM	Рното ID: (Camera-Pic #) 1 /#
SITE ID: (Condition-#) MI LAT_	410 57.635" LONG 730	22 · 769 · LMK: 026 GPS: (Unit ID)
D		
POTENTIAL RESTORATION CANDIDATE Do 100	☐ Storm water retrofit ☐ Stream ☐ Discharge Prevention ☐ Other:	restoration Riparian Management
• • • • • • • • • • • • • • • • • • •	•	botton ut and founds transpring
- 2,5 fout i	rigner, 10 te	et lang
- Left Rank		Day May
Levi Pari		REPORTED TO LOCAL AUTHORITIES Yes You
WATERSHED/SUBSHED: Welce	DATE: 7/27/2021	ASSESSED BY: CL-PP, SO, HX, 5 K PHOTO ID: (Camera-Pic #) /#
SURVEY REACH ID: U3		
SITE ID: (Condition-#) MI- 02 LAT	10 57 883 LONG 730	23' 109" LMK: 124 GPS: (Unit ID)
, , , , , , , , , , , , , , , , , , ,	7.c	District Management
1	☐ Storm water retrofit ☐ Stream ☐ Discharge Prevention ☐ Other:	restoration Riparian Management
DESCRIBE: - (OWS, Chitke	s, and 90412 25	fect www from Riv
- Good Lives	hick than, but	ut unl, so twist evalue
Qurection	fan	REPORTED TO LOCAL AUTHORITIES Yes No
WATERSHED/SUBSHED: WUC	DATE: 7/27/7021	ASSESSED BY: ULIPISK BOBK
SURVEY REACH ID: 03	TIME: 3:14 AM/PM	Рното ID: (Camera-Pic #) 5 /#
	(05 8 1 022" LONG 730	
POTENTIAL RESTORATION CANDIDATE		
_		ecure gas conster ; then trash
Describe: - unselvined 94	s conserve	The Fam
-minor tran	,	
- Minor trush - Irrightan Pig	e/ x2	REPORTED TO LOCAL AUTHORITIES Yes No
	ump	

WATERSHED/SUBSHED:	Wer				DATE:	07/27	/2024 As	SESSED BY: CH P
SURVEY REACH:	0.3			: 2 A m/pm	Рното	ID: (Came	ra-Pic #)	2 #
SITE ID: (Condition-#)	START L	AT 41°5)	1 18	LONG -73 02	<u>' </u>	LMI	(627	GPS: (Unit ID)
1B- (M)	END L	AT°	<u>''' 1</u>	ONG°_	<u>'</u> '	LMI	<u> </u>	<u> </u>
IMPACTED BANK:	REASON IN		Lack of Recently	vegetation T		☐ Widespro	ead invasive	plants
LAND USE: (Facing downstream) LT Bar RT Bar	·	Institutiona	Golf	Course Park	Other I	•		
DOMINANT LAND COVER: LT Ba RT Ba		Bare ground	Turf/lay	∕n Tall grass	Shrub/so	crub Trees	Other ::	
Invasive Plants:	☐ Nor	ne 🗖 Rare	, C	Partial coverage		Extensive cov	verage	unknown
STREAM SHADE PROVID	DED? Nor	ne 🗌 Partia	al 🔽	Full WET	LANDS PR	ESENT?	No 🗆	Yes Unknown
Length (ft):	K RT	REFORESTA POTENTIAL (Circle #)	TION	Impacted area on p where the riparian not appear to be us specific purpose; p area available for p	rea does ed for any enty of	Impacted area public or privat presently used purpose; availi planting adequ	te land that is for a specific able area for	impacted area on private land where road; building encroachment or other feature significantly limits available area for planting
Width (ft):				5	4	C	-	2 1
POTENTIAL CONFLICTS Poor/unsafe access to si NOTES: - HOVS	te 🗌 Existin	g impervious co	ver Se	despread invasivere animal impa	e plants ets (deer, b	eaver) 🖫 (Other: (65)	e Hause
Came	invas	ives , n	o shr	ubs ar da	us	·		
North o						j.	, , l	án
M 1 - 6	·1 (h	ourd to	an K	in old	, fa	nk h	oundal	<i>(</i> 0 \)

WATERSHED/SUBSHED:		Lepun			: 7/ 27/	> Z Ass	SESSED BY: (4)
SURVEY REACH:	03	- TIM	E: 3: 03 A	м/бу Рнот	o ID: (Camero		4 /#
SITE ID: (Condition-#) IB		ат <u>Ч(°\$7'\$</u> с ат <u>Ч(°57'¶</u>		3°22'76' 3°23'227			GPS: (Unit ID)
IMPACTED BANK:	REASON IN	ADEQUATE: 🎵 L	ack of vegetatio	n	v 🗌 Widesprea	d invasive p	plants
LAND USE: (Facing downstream) LT Bar RT Bar		Institutional	Golf Course		Public] :] :		
DOMINANT LAND COVER: LT Ba RT Ba	_	Bare ground T	urf/lawa Ta	ll grass Shrub/		Other :	
Invasive Plants:	☐ Nor	ne 🗌 Rare	Partial c	overage	Extensive coyer	rage 🔲 u	nknown
STREAM SHADE PROVIL	DED? 🗌 Nor	ne Partial	☐ Full	WETLANDS P	resent? 🗖 N) [Y	es 🗌 Unknown
POTENTIAL RESTORATI	ON CANDIDA	TE Active refo	restation Gr	eenway design	Natural reger	neration	Invasives removal
RESTORABLE AREA Length (ft): 100 BAN Width (ft): 5-10	K RT	REFORESTATION POTENTIAL: (Circle #)	where the not appea specific po	area on public land riparian area does r to be used for any urpose; plenty of able for planting	Impacted area or public or private is presently used for purpose; available planting adequate 4	and that is r a specific e area for	Impacted area on private land where road; building encroachment or other feature significantly limits available area for planting
POTENTIAL CONFLICTS Poor/unsafe access to si NOTES:				invasive plants al impacts (deer,			n ☐ Lack of sun
- Waning tow a	5 be hu	•	gliv	and feac	· (
- Sime vegent - evidence to- gra							

							L
WATERSHED/SUBSHED:	_					7.127,202	ASSESSED BY: CH, PP.
SURVEY REACH: O	3		Тіме: <u>3</u>	:U AM/FO	Рното	ID: (Camera-Pic #	f) /#
SITE ID: (Condition-#)				Long 33 °Z			GPS: (Unit ID)
IB- <u>63</u>	END L	1741°58	14711	LONG 73 %	31341"	LMK 03/	
	,						
IMPACTED BANK:	REASON IN			vegetation 🔀 To		☐ Widespread invas	ive plants
LAND USE:	Private	Institutional		Course Park	Other P		
(Facing downstream) LT Bas	-						
RT Bar		D	T61	-	<u> </u>		
DOMINANT LAND COVER: LT Ba	Paved mk □	Bare ground	Turf/lav	. <u>~</u>	Shrub/sc		ther
RT Ba				· =			X
Invasive Plants:		e Rare	-	Partial coverage			unknown
STREAM SHADE PROVID	DED? Non	e 🔼 Partia	ıl [Full WETI	LANDS PRI	ESENT? No [Yes Unknown
POTENTIAL RESTORATI	ION CANDIDA			ion Greenway	design 🔀	Natural regeneration	☐ Invasives removal
no no		Other	:	I	· · · · · · · · · · · · · · · · · · ·		
RESTORABLE AREA		<u> </u>		impacted area on p		Impacted area on either	Impacted area on private
LT BAN		REFORESTA		where the riparian a not appear to be us	1	public or private land that in presently used for a specific	
Length (ft): 300	360	POTENTIAL: (Circle #)		specific purpose; ple area available for pl		purpose; available area for planting adequate	r feature significantly limits available area for planting
Width (ft): 10	10	(4.1.51.5 11)		elled available for pr	4	planting adoquate	2 1
Domestic control				3	-		
POTENTIAL CONFLICTS Poor/unsafe access to si				despread invasive vere animal impac		☐ Potential contaminate paver) ☐ Other:	ation □ Lack of sun
							1001-
600		of petal	disha	ed fre	20	but mich	addtracel.
yaim!	Lon .) CO,00	0			138	and travel
Mariam	.	ans	en	e. Ci	7014	080	a doing real
1,00	Dray	V		1	<i>I</i>)	-10	Voc
ONGO	´	e sha	uns 1	1+000	1 he	nucus	9
100	<i>ু</i>	£ 511.					
10							
Ther							
	·						
There	am						
1010							
						* *	•

Miscellaneous	MI

WATERSHED/SUBSHED: WELLE	DATE: 7/2021	ASSESSED BY: CH, PP	IC. SO. HK					
SURVEY REACH ID: 03	TIME: 3 : 26 AM/P(1)	•	6 /#					
SITE ID: (Condition-#) MI- DY LAT Y	· 58 · 147 " LONG 73 ·	23 ·34/" LMK: <u>031</u>	GPS: (Unit ID)					
POTENTIAL RESTORATION CANDIDATE S			ent					
no 1	Discharge Prevention 🖸 Other:	Bridge						
DESCRIBE: TYGUN I FUT & SI	- Track iford Style Crossing							
to view fills	wasvean to a	MP						
		REPORTED TO LOCAL AU	THORITIES Yes No					
111.16	DATE: 7/27/201		Company of the second					
WATERSHED/SUBSHED: VUKE			20' ₹1c'214					
SURVEY REACH ID: 03	TIME: 13 AM/PM	PHOTO ID: (Camera-Pic #)	7 #					
SITE ID: (Condition-#) MI-05 LAT_VI	<u>° \$8 ' \$\$8</u> " Long <u>7</u> 3 °	2 <u>3 '247 " LMK: (5) 2</u>	GPS: (Unit ID)					
POTENTIAL RESTORATION CANDIDATE S	Discharge Prevention Other:	restoration Riparian Manageme	ent					
		11						
DESCRIBE: STUMMY OUTE	(14 /(Chairman	ill						
Galtedy inventoried								
inventoried	by town							
		REPORTED TO LOCAL AU	THORITIES Yes No					
1 1 1 1 1 1 1 1 1 1	Dame / /	A COLOGODO DATA						
WATERSHED/SUBSHED:	DATE:/	ASSESSED BY:	ш					
SURVEY REACH ID:	TIME::AM/PM	PHOTO ID: (Camera-Pic #)	/#					
SITE ID: (Condition-#) MI LAT	P' LONG°_	'" LMK:	GPS: (Unit ID)					
POTENTIAL RESTORATION CANDIDATE Storm water retrofit Stream restoration Riparian Management								
no Discharge Prevention Other:								
DESCRIBE:								
		REPORTED TO LOCAL AU	THORITIES Yes No					

WATERSHED/SUBSHED:	Week		·		DATE:	7 / 27/214	ASS	ESSED BY: CHPP SKEU
SURVEY REACH:			TIME: 4	: 3 / AM/PM	1	ID: (Camera-Pi		8 /#
SITE ID: (Condition-#) IB04			·556"	Long <u>-/3 °23</u> Long°	<u>""</u>	LMK_ <u>∂</u> } LMK	3	GPS: (Unit ID)
IMPACTED BANK:	REASON IN	_	Recently	y planted 🔲 Otl	ner:	☐ Widespread inv	asive p	plants
LAND USE: (Facing downstream) LT Bar RT Bar	_1	Institutiona	I Golf E		Other P			
DOMINANT LAND COVER: LT Ba RT Bai		Bare ground	Turf/lav	. <u>~</u>	Shrub/sc	rub Trees	Other	
Invasive Plants:	☐ Non	e 🖫 Rare		Partial coverage	E	xtensive coverage	□ ι	inknown
STREAM SHADE PROVID	ED? Non	e 🔽 Parti	al [Full Wetl	ANDS PRI	ESENT?□No	□ Y	es Unknown
POTENTIAL RESTORATI	on Candida	TE Active		ion Greenway	design 🚺	Natural regenerati	ion 🔲	Invasives removal
RESTORABLE AREA Length (ft): Width (ft):	K /RT /9©	REFORESTA POTENTIAL (Circle #)		Impacted area on pu where the riparian ar not appear to be use specific purpose; ple area available for pla	ea does d for any nty of	Impacted area on eithe public or private land it presently used for a sp purpose; available area planting adequate	ecific	impacted area on private land where road; building encroachment or other feature significantly limits available area for planting
POTENTIAL CONFLICTS				5	4	3)	2	l Lack of sun
Poor/unsafe access to si NOTES: - NOT - Lav Cd - house	enough Enach	ofgen mus a	WI N	far M va ed	burf cót	√ (e.s.	SI	waters Structure
						- w		

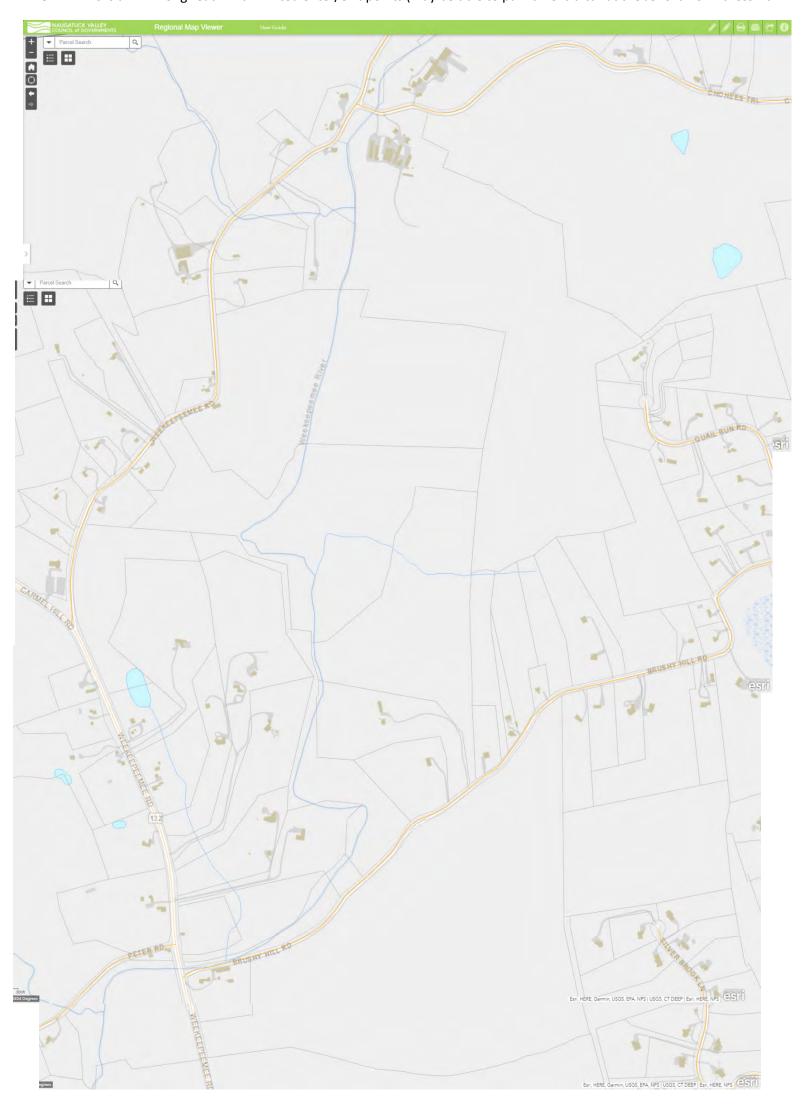
Reach 4 Brushy Hill Road to Chohees Trail

NOTE - This is a VERY long reach with limited enter/exit points (may be able to park an extra car at the Jehovah's Witness Hall



Reach 4 Brushy Hill Road to Chohees Trail

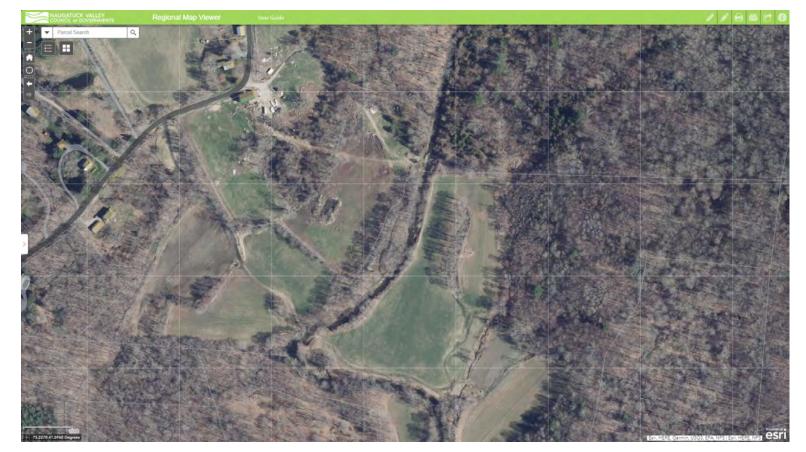
NOTE – This is a VERY long reach with limited enter/exit points (may be able to park an extra car at the Jehovah's Witness Hall

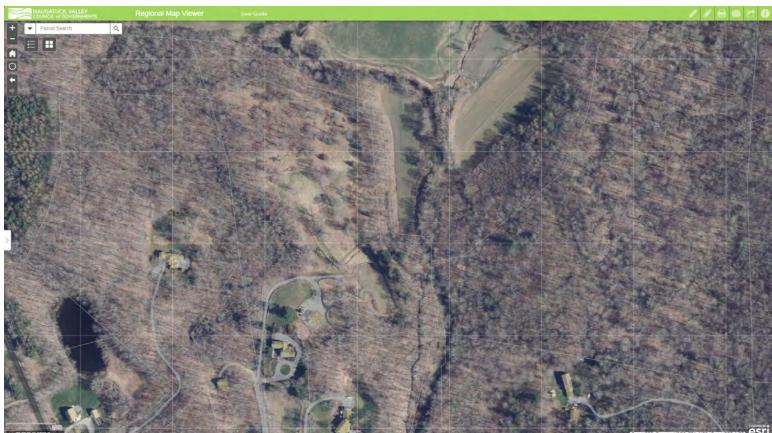


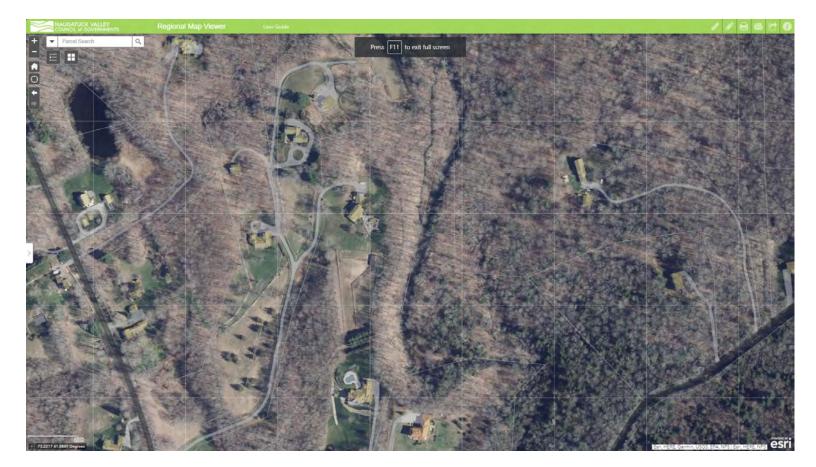














SURVEY REACH ID: 04	WTRSHD/SUBSHD: Wee	Keepeemee	DATE: 08/03/21	ASSESSED BY: CH, P SK, SO, HK	B
DESCRIPTION: At Brushy Hill Road	is <u>-73° 209' 45</u> " d and Route 132-	LAT41:604'8	5:30AM/PM) LM 13 " LONG 13:20 Ohees Trail B	K: <u>04</u> 9 GPS I	D:
RAIN IN LAST 24 HOURS Heavy ra	ain 🗆 Steady rain	PRESENT CONDITIONS □ Clear	☐ Heavy rain ☐ Stea	dy rain ☐ Intermittent ercast ☐ Partly cloudy	,
SURROUNDING LAND USE: Indus	## W.W 1999	. /	Suburban/Res	sted Institutional	
AVERAGE CONDITIONS (check applicable)	REACH S	SKETCH AND SITE IMPA	CT TRACKING	3 - 5-
Base Flow as % ☐ 0-25% CHANNEL WIDTH ☐ 25-50 %	50%-75% □ 75-100%	within the survey rea	f survey reach. Track locatio ch (OT, ER, IB,SC, UT, TR, N leemed appropriate. Indicate	AI) as well as any additiona	
☐ Sand (gritty) ☐	Cobble (2.5 –10") Boulder (>10") Bed rock			T	
WATER CLARITY Clear □Tur □ Stained (clear, naturally colored) □ Other (chemicals, dyes)		R		-IB-02	
ingenine a marin	none ⊠some □ lots one □ some □ lots	1			
	eaver X Deer ther: COYO+C				
\ /	ed (≥75% coverage) 50%) ded (≥25%)		mI-02-	j	-
CHANNEL Downcutting Widening Headcutting Aggrading Sed. deposi	Bank failure Bank scour Slope failure			•	
CHANNEL DIMENSIONS (FACING DOWNSTREAM) Height: LT bar RT bar Width: Bottom	$\begin{array}{ccc} & \underline{3.5} & \text{(ft)} \\ & \underline{15} & \text{(ft)} \end{array}$		TA-02	Ol ·	
Top	<u>35 (ft)</u>				
Good: Open area in public ownership, sufficient room to stockpile materials, easy stream channel access for heavy equipment using existing roads or trails. Reach Accessib Fair: Forested or developed area adjacent to stream. Access requires tre removal or impact to landscaped areas. Stockpile areas small or distant from stream.	Difficult. Must cross wetland, steep slope, or sensitive areas to get to stream. Few areas to stockpile available and/or located a great distance from stream.	IB-		TR-01	
Notes: (biggest problem you see in sur Large amants of Some places of in		along Brue	shy Hill Road	and river	dep
			METUKIED IO A		No
-did not wal	K stretch o	+ "weekeer	ceme Riser	hard "	

	Optimal	Suboptimal	Marginal	Poor	
IN-STREAM HABITAT (May modify criteria based on appropriate habitat regime)	Greater than 70% of substrate favorable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient).	40-70% mix of stable habitat; well- suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lack of habitat is obvious; substrate unstable or lacking.	
	20 19 18 17 (16)	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
VEGETATIVE PROTECTION (score each bank, determine sides by facing downstream)	More than 90% of the streambank surfaces and immediate riparien zone covered by native vegetation, including trees, understory shrubs, or nonwoody macrophytes; vegetative disruption through grazing or mowing minimal or not evident; almost all plants allowed to grow naturally.	70-90% of the streambank surfaces covered by native vegetation, but one class of plants is not well-represented; disruption evident but not affecting full plant growth potential to any great extent; more than one-half of the potential plant stubble height remaining.	50-70% of the streambank surfaces covered by vegetation; disruption obvious; patches of bare soil or closely cropped vegetation common; less than one-half of the potential plant stubble height remaining.	Less than 50% of the streambank surfaces covered by vegetation; disruption of streambank vegetation is very high; vegetation has been removed to 5 centimeters or less in average stubble height.	
	Left Bank 10 9	8 7 6	5 4 3	2 1 0	
	Right Bank 10 9	8 (7) 6	5 4 3	2 1 0	
BANK * EROSION (facing downstream)	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems.	Grade and width stable; isolated areas of bank failure/erosion; likely caused by a pipe outfall, local scour, impaired riparian vegetation or adjacent use.	Past downcutting evident, active stream widening, banks actively eroding at a moderate rate; no threat to property or infrastructure	Active downcutting; tall banks on both sides of the stream eroding a fast rate; erosion contributing significant amount of sediment to stream; obvious threat to property or infrastructure.	
	Left Bank 10 (9)	8 7 6	5 4 3	2 1 0	
	Right Bank 10 9	(8) 7 6	5 4 3	2 1 0	
FLOODPLAIN CONNECTION	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	
	OVER	ALL BUFFER AND FLOODPLAI	N CONDITION		
	Optimal	Suboptimal	Marginal	Poor	
VEGETATED Buffer Width	Width of buffer zone >50 feet; human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, crops) have not impacted zone.	Width of buffer zone 25-50 feet; human activities have impacted zone only minimally.	Width of buffer zone 10-25 feet; human activities have impacted zone a great deal.	Width of buffer zone <10 feet: little or no riparian vegetation due to human activities.	
	Left Bank 10 9	(8) 7 6	5 4 3	2 1 0	
	Right Bank 10 9	8 7 6	5 4 3	2 1 0	
FLOODPLAIN VEGETATION	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	Predominant floodplain vegetation type is turf or crop land	
	20 19 18 17 16	15 14 (13) 12 11	10 9 8 7 6	5 4 3 2 1 0	
FLOODPLAIN Habitat	Even mix of wetland and non-wetland habitats, evidence of standing/ponded water	Even mix of wetland and non-wetland habitats, no evidence of standing/ponded water	Either all wetland or all non- wetland habitat, evidence of standing/ponded water	Either all wetland or all non- wetland habitat, no evidence of standing/ponded water	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
FLOODPLAIN	No evidence of floodplain encroachment in the form of fill material, land development, or	Minor floodplain encroachment in the form of fill material, land development, or manmade structures,	Moderate floodplain encroachment in the form of filling, land development, or manmade structures, some	Significant floodplain encroachment (i.e. fill material, land development, or man-made structures). Significant effect on	
Encroach- ment	manmade structures	but not effecting floodplain function	effect on floodplain function	floodplain function	

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WATERSHED/SUBSHED: Weekeepeernee				DATE: <u>08</u> / <u>03</u>	ASSESSED BY: CH, PP, SO,		
SURVEY REACH	D: 04	TIME: \(\(\)	2:16 AM/PM	Рното ID: (Са	mera-Pic #)	/# 【	
SITE ID: (Condition	n-#) TR- <u>O</u> I	LAT 41:585	' <u>}3</u> " Long	<u> 13:229.80</u>	_" LMKC	GPS: (Unit ID)	
Type: Industrial Commercial Residential	☐ Appliances	☐ Paper ☐ Construction ☐ Yard Waste ☑ Other: 910.55	Metal Medical Wood	SOURCE: Unknown Flooding Illegal dump Local outfall	LOCATION: Stream Riparian Ar Lt bank		
POTENTIAL REST	TORATION CANDIDA	ATE Stream c	leanup 🗌 Strean	n adoption segment	☐ Removal/pr	revention of dumping	
If yes for trash or debris removal	EQUIPMENT NEEDE			sh bags Unkno	· · · · · · · · · · · · · · · · · · ·	DUMPSTER WITHIN 100 FT: Yes No Unknown	
CLEAN-UP POTENTIAL: (Circle #)	CLEAN-UP POTENTIAL: A small amount of trash (i.e., less than two pickup truck loads) located inside a park with easy access. A small amount of trash (i.e., less than two pickup truck loads) located inside a park with easy access. Trash may have been dumped over a large amount of trash or debris scattered over a large amount of						
Notes:	up with a	Jones 35 6	JOANS		daun	de Root Pt left coults man	
-near ro	sad, indica	ing The	p.) -141	- Fari	n-type i	materials	
-cua boint	FWK 010 (AP	58.580°N >	12000	·//		D TO AUTHORITIES YES NO	

Consevation for town (lean-up day

WATERSHED/SUBSHED: Weeke	eppemee		DATE: <u>08</u>	103/21	ASSESSED BY: CHI PP. SON		
SURVEY REACH: QU		1:08 (M)PM	Рното ID:	(Camera-Pi			
SITE ID: (Condition-#) START	LAT 41 .º 58 '614"	Long- <u>73</u> .°22	<u> 1818.''</u>	<u>lmk 04</u>	GPS: (Unit ID)		
IB- 0 <i>END</i>	LAT 41 :68 '674"	Long <u>-73</u> .°22)	123"	LMK04	3		
IMPACTED BANK: REASON ☐ LT RT ☐ Both	INADEQUATE:	y planted Oth	er:Underst	cry clearin			
LAND USE: Priv		Course Park	Other Public		•		
(Facing downstream) LT Bank RT Bank			μα.:.(Ο Π:	0045			
DOMINANT Pave			Shrub/scrub	Trees	Other		
LAND COVER: LT Bank] 🗀	X	×	□:		
RT Bank 🔲				X			
Invasive Plants:	lone 🗌 Rare	Partial coverage	☐ Exten	sive coverage	unknown		
STREAM SHADE PROVIDED?	None 🗌 Partial	Full WETL	ands Presen	1T? 🛛 No	☐ Yes ☐ Unknown		
POTENTIAL RESTORATION CANDI		ion Greenway d	lesign 💢 Na	tural regenerati	ion 🔲 Invasives removal		
no ·	Other:	T					
RESTORABLE AREA	DEPODESTATION	Impacted area on put where the riparian are		acted area on eithe ic or private land th			
Length (ft): LT BANK RT 2001	REFORESTATION POTENTIAL:	not appear to be used	for any pres	ently used for a spose; available area	ecific encroachment or other		
0-	(Circle #)	specific purpose; pler area available for plan		ting adequate	available area for planting		
Width (ft):25		5	(4)	3	2 1		
POTENTIAL CONFLICTS WITH REF Poor/unsafe access to site Exis		idespread invasive p vere animal impact			nination Lack of sun Onvate land USC		
NOTES:							
-75% Stream Sho	ide, good an	nount of li	arge to	rec			
-brush piles in th							
-appears to be o	ictive Clearin	g on the	right	bank,	construction		
-appears to be active clearing on the right bank, construction equipment -needs more of an understory Shrub layer							
		• (V				
			•	•			
					:		
			·.	-			

WATERSHED/SUBSHED: Weeke epic mee					DATE: OR / O3 / Q1 ASSESSED BY: CH PASSESSED BY: CH			ESSED BY: CHIPPISHEA
SURVEY REACH			ME: <u>//:/6</u> @A	MYPM]	PHOTO ID: (Camera-Pic #) /# 5			
SITE ID: (Condition	n-#) TR- <u>0</u> 2_	LAT41.°	<u>586'31 "</u>	Long-]	<u>3;22)'81</u>	" LMK (142	GPS: (Unit ID)
TYPE: Industrial Commercial Residential	MATERIAL: Plastic Tires Appliances Automotive	☐ Paper ☐ Constru ☐ Yard V	-	al	URCE: Unknown Flooding Illegal dump Local outfall	LOCATION: Stream Riparian Ar Lt bank Rt bank		LAND OWNERSHIP: Public Unknown Private AMOUNT (# Pickup truck loads):
POTENTIAL REST	TORATION CAND		tream cleanup Wither:	Stream a	doption segment	Removal/pr	reventi	on of dumping
If yes for trash or debris removal	EQUIPMENT NEE	DED:	leavy equipment					MPSTER WITHIN 100 FT:
CLEAN-UP POTENTIAL: (Circle #)	WHO CAN DO IT: Volunteers Local Gov Hazmat Team Other Yes No L A small amount of trash (i.e., less than two pickup truck loads) located inside a park with easy access A large amount of trash, or bulk items, in a small area with easy access. Trash may have been dumped over a long period of time but it could be cleaned up in a few days, possibly with a small backhoe. A large amount of trash or debris scattered area, where access is very difficult. Or prese or indications of hazardous materials						sh or debris scattered over a large very difficult. Or presence of drums	
` ′	5		4		$\binom{3}{}$	2		1
Notes: -Unknown whether the private or public property -gas canteler -large storage can will combustable laborate potentially hazandous waste -potentially some farm equipment industrial use								
						REPORTE	р то А	UTHORITIES YES NO
						Agited borrel	ne	CTDEEF Sp.11 response

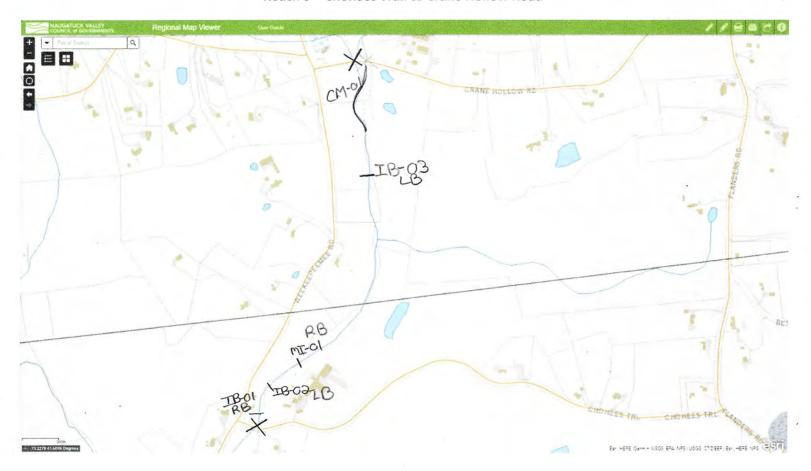
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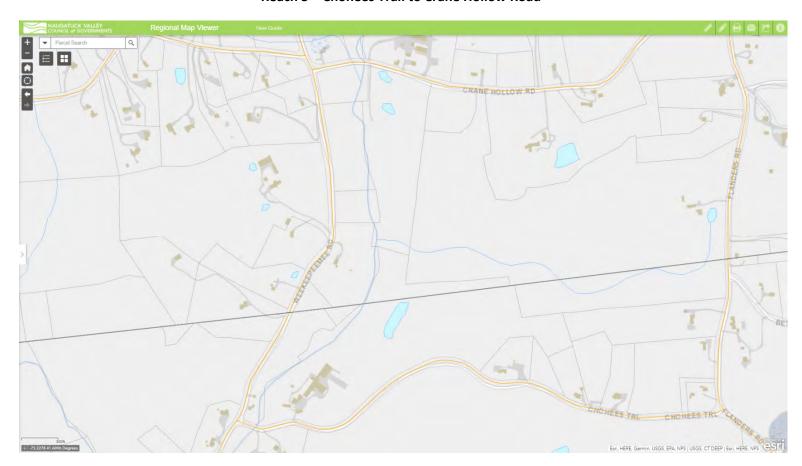
WATERSHED/SUBSHED: Wekceps	eemee	DATE: 08 103 121	ASSESSED BY: CHI PY 35/30/ HY				
SURVEY REACH ID: 04		TIME: 11:40 (M)PM	Р ното ID: (Camera-Pic #)	/# 🗸			
SITE ID: (Condition-#) MI-Q	LAT 41,°	<u>587 '46 "Long-13°.</u>	22'662" LMK: 044	GPS: (Unit ID)			
POTENTIAL PROTON ATTON CANDID	NATE C	torm worten metrofit. T Stenom	rostantian Dinarian Managam	not.			
POTENTIAL RESTORATION CANDII		Discharge Prevention \(\mathbb{X}\) Other:		ent .			
		Ch 444					
DESCRIBE: - Series of metal pipes	10 feet	from active flou	u, on private prope	rty			
-1-2 inch in diamet	es, Unk	known purpose		J			
-on left bank		•					
			REPORTED TO LOCAL AU	THORITIES Yes No			
WATERSHED/SUBSHED: \	remee	DATE: 08/03/21	ASSESSED BY: CH, PP, SO, SK	<,HK			
SURVEY REACH ID: \(\subseteq \text{\text{\$\subset\$}}		TIME: 1 : 35 AM/PM)	Р ното ID: (Camera-Pic #)	# 5			
	LATULO		32 ' 924" LMK: 046	GPS: (Unit ID)			
5112 120 (Columns) 1112 11132	1	<u> </u>					
POTENTIAL RESTORATION CANDII	DATE S	torm water retrofit	restoration	ent			
□ no		oischarge Prevention A Other:	bet back on property m	cre			
DESCRIBE: -3 inch water imigation - Water Aithration Syst - could be set back me	on pur ten als	np to a Reid 25 50 in Reid 50 A	Reet Room Niver F Bet Grom HiverPlau Terrator Unic	ow — holding tanks also priced			
- WO W JAY ON A 1111	, -37°		REPORTED TO LOCAL AU	THORITIES TYES No			
- outs de bink crosse	n arov	nd Sharp Mendi	n the twe				
WATERSHED/SUBSHED:		DATE://_	ASSESSED BY:				
SURVEY REACH ID:		TIME::AM/PM	Р ното ID : (Camera-Pic #)	/#			
SITE ID: (Condition-#) MI	LAT°	' Long°_	''' LMK:	GPS: (Unit ID)			
POTENTIAL RESTORATION CANDID		torm water retrofit \square Stream: bischarge Prevention \square Other:	restoration Riparian Manageme	ent			
по		Ascharge Frevention Other.					
DESCRIBE:							
			•				
			REPORTED TO LOCAL AID	THORITIES Yes No			
			ILLI GRIED TO LOCAL AU				

WATERSHED/SUBSHED: , Well	Leepeenee		DATE: <u>8 / 3 / 2</u>	ASSESSED BY: CA PP 5
SURVEY REACH:	TIME: 2	: <u>' </u>	РНОТО ID: (Camera-P.	· · · · · · · · · · · · · · · · · · ·
SITE ID: (Condition-#) START LA	AT 1 0 60 1275 "	Long <u>-73 • 22 </u> 1	5 <u>52</u> " LMK <u>0</u> 6	
IB-02 END LA	2 2 2 2			18
IMPACTED BANK: REASON IN LT RT Both		y planted 🔲 Other		vasive plants
LAND USE: Private			Other Public	
(Facing downstream) LT Bank			回:ったこと	
RT Bank DOMINANT Paved	Bare ground Turf/lav		Shrub/scrub Trees	Other
DOMINANT Paved LAND COVER: LT Bank				
RT Bank			<u> </u>	
INVASIVE PLANTS: Non		Partial coverage	Extensive coverage	unknown
STREAM SHADE PROVIDED? Non	e 🗌 Partial 🖺	Full WETLAN	NDS PRESENT? No	Yes Unknown
				
POTENTIAL RESTORATION CANDIDA				tion Invasives removal
по	U Other: MAIN	tain shrubl	, h y e/	
RESTORABLE AREA Length (ft): 360 SCO	REFORESTATION POTENTIAL: (Circle #)	Impacted area on public where the riparian area not appear to be used for specific purpose; plenty area available for plantii	does public or private land to presently used for a sign of purpose; available are	that is land where road; building pecific encroachment or other
Width (ft): 10 50		5	4 3	(2) 1
POTENTIAL CONFLICTS WITH REFOR Poor/unsafe access to site Existing	ESTATION Wis	idespread invasive pla vere animal impacts (ants Potential contar (deer, beaver) D Other:	mination Lack of sun
NOTES:				
- can't plant	trees due	to power	lines,	
- very little	shade			/ 1
- Multiple in	stances of in	wastre pla	nrspecies -	- Multi-Roral
- maintaining	Shrub 1640	is best s	61UF07	-russian dire -mugwert
MARK COUM	for restora	NON CON	right tail	
la left k	runk - act	rve crop	+ gracenhouse	production
, -			•	

Reach 5 - Chohees Trail to Crane Hollow Road



Reach 5 - Chohees Trail to Crane Hollow Road









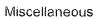


SURVEY REACH	ID: <u>05</u> v	Wtrshd/Subshd: We	ekeepeemee	DATE: <u>08/03 / 21</u>	Assessed by:	
START TIM	1E:12:41_AM/1	PM) LMK: 049	END TIME:	: LM AM/PM LM	K: <u>057</u>	GPS ID:
LAT41:604'2	33 " LONG	<u>6-13:205:40 "</u>	LAT4 : 626'2	" Long <u>93822</u>	1 91 "	
DESCRIPTION: Ch				ne Holau Road	Boidoo	
	OIRCS Hair	oag C	1	sic rigido roda	bridge	L
RAIN IN LAST 24 H	DURS [] Heavy rai	in □ Steady rain	PRESENT CONDITIONS	☐ Heavy rain ☐ Stea	ıdy rain ☐ Intern	nittent
None	☐ Intermitte		□ Clear	☐ Trace 🕱 Ove	•	
SURROUNDING LAN				Suburban/Res Fore		
5511115		ourse Park		Pasture		·
AVERAGI	CONDITIONS (c	heck applicable)	REACH S	KETCH AND SITE IMPA	CT TRACKING	
BASE FLOW AS %	□ 0-25%	★ 50%-75%	Simple planar sketch o	f survey reach. Track location	ns and IDs for all s	ite impacts
CHANNEL WIDTH	□25-50 %	□ 75-100%		ch (OT, ER, IB,SC, UT, TR, N		dditional
DOMINANT SUBSTR	ATF		jeatures a	eemed appropriate. Indicate	airection of flow	
☐ Silt/clay (fine or		Cobble (2.5 –10")				
☐ Sand (gritty)		Boulder (>10")		\angle $+$ cm-c	71	
☐ Gravel (0.1-2.:	5") . L]	Bed rock			71	
WATER CLARITY	M Clear □Turi	oid (suspended matter)	\			
☐ Stained (clear, n	, ,		1			
☐ Other (chemicals,	dyes)		K	\ \		1
AQUATIC PLANTS	Attached: 🗆 no	one X some 🗆 lots				L
IN STREAM		ne 🗆 some 🗆 lots				*
117	(Evidence of)	· · · · · · · · · · · · · · · · · · ·		974	5-03	
WILDLIFE IN OR AROUND STREAM	Fish □ Bea		,	1		
TEROCKE D TREATM	☐ Snails 💆 Oth			7		
G		d (≥75% coverage)				
STREAM SHADING (water surface)	☐ Halfway (≥50 Partially shad					
,	☐ Unshaded (<					
<u></u>	☐ Downcutting	Bed scour				
CHANNEL	Widening	Bank failure				
DYNAMICS	Headcutting	Bank scour				
Unknown	Aggrading	Slope failure		/ /		A.
Chknown	Sed. depositi	ion Channelized				
	Height: LT banl	k _ 5 (ft)				
CHANNEL DIMENSIONS	RT bank					
(FACING	Width: Bottom	7 6	MI-CI.	4 /		
DOWNSTREAM)	Тор	35 (ft)		/ /		
	LEACH ACCESSIBIT					
_	Fair: Forested or	Difficult. Must cross				
Good: Open area in public ownership,	developed area	wetland, steep slope, or	,	\		
sufficient room to	adjacent to stream. Access requires tree	sensitive areas to get to stream. Few areas to		/ FIB-09		
stockpile materials, easy stream channel	removal or impact to	stockpile available			A Committee of the Comm	
access for heavy	landscaped areas. Stockpile areas	and/or located a great distance from stream.	70	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
equipment using existing roads or trails.	small or distant from	Specialized heavy	$\mathcal{I}\mathcal{B}$ -(0, 7 /		
5	stream.	equipment required.		1		
NOTES: (biggest prob	olem you see in surve	y reach)	VA. 17-17-01-00-00-00-00-00-00-00-00-00-00-00-00-			
IMpacted	buffers.	mere can ed sections	opy layer	veeqe0		
clear cr	iannelizé	ed sections				
A lot of	in stre	ar algae	growth		UTHORITIES 🔲 Y	res □ No

	Optimal	Suboptimal	Marginal	Poor	
IN-STREAM HABITAT (May modify criteria based on appropriate habitat regime)	Greater than 70% of substrate favorable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient).	40-70% mix of stable habitat; well- suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lack of habitat is obvious; substrate unstable or lacking.	
	20 19 18 17 16	15 14 (13) 12 11	10 9 8 7 6	5 4 3 2 1 0	
VEGETATIVE PROTECTION (score each bank, determine sides by facing downstream)	More than 90% of the streambank surfaces and immediate riparian zone covered by native vegetation, including trees, understory shrubs, or nonwoody macrophytes; vegetative disruption through grazing or mowing minimal or not evident; almost all plants allowed to grow naturally.	70-90% of the streambank surfaces covered by native vegetation, but one class of plants is not well-represented; disruption evident but not affecting full plant growth potential to any great extent; more than one-half of the potential plant stubble height remaining.	50-70% of the streambank surfaces covered by vegetation; disruption obvious; patches of bare soil or closely cropped vegetation common; less than one-half of the potential plant stubble height remaining.	Less than 50% of the streambank surfaces covered by vegetation; disruption of streambank vegetation is very high; vegetation has been removed to 5 centimeters or less in average stubble height.	
	Left Bank 10 9	8 7 6	5 4 3	2 1 0	
	Right Bank 10 9	8 (7) 6	5 4 3	2 1 0	
BANK EROSION (facing downstream)	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems. <5% of bank affected.	Grade and width stable; isolated areas of bank failure/erosion; likely caused by a pipe outfall, local scour, impaired riparian vegetation or adjacent use.	Past downcutting evident, active stream widening, banks actively eroding at a moderate rate; no threat to property or infrastructure	Active downcutting; tall banks on both sides of the stream eroding at a fast rate; erosion contributing significant amount of sediment to stream; obvious threat to property or infrastructure.	
	Left Bank 10 9	8 7 6	5 4 3	2 1 0	
	Right Bank 10 9	8 7 6	5 4 3	2 1 0	
FLOODPLAIN CONNECTION	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	
		ALL BUFFER AND FLOODPLAI			
	Optimal	Suboptimal	Marginal	Poor	
VEGETATED BUFFER WIDTH	Width of buffer zone >50 feet; human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, crops) have not impacted zone.	Width of buffer zone 25-50 feet; human activities have impacted zone only minimally.	Width of buffer zone 10-25 feet; human activities have impacted zone a great deal.	Width of buffer zone <10 feet: little or no riparian vegetation due to human activities.	
	Left Bank 10 9	8 7 6	5 4 3	2 1 0	
	Right Bank 10 9	8 7 6	5 4 3	2 1 0	
FLOODPLAIN VEGETATION	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	Predominant floodplain vegetation type is turf or crop land	
	20 19 18 17 16	15 14 13 12 11	(10) 9 8 - 7 6	5 4 3 2 1 0	
FLOODPLAIN HABITAT	Even mix of wetland and non-wetland habitats, evidence of standing/ponded water	Even mix of wetland and non-wetland habitats, no evidence of standing/ponded water	Either all wetland or all non- wetland habitat, evidence of standing/ponded water	Either all wetland or all non- wetland habitat, no evidence of standing/ponded water	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
FLOODPLAIN ENCROACH- MENT	No evidence of floodplain encroachment in the form of fill material, land development, or manmade structures	Minor floodplain encroachment in the form of fill material, land development, or manmade structures, but not effecting floodplain function	Moderate floodplain encroachment in the form of filling, land development, or manmade structures, some effect on floodplain function	Significant floodplain encroachment (i.e. fill material, land development, or man-made structures). Significant effect on floodplain function	
		15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	

WATERSHED/SUBSHED: Weeke	epeemee	DA	ATE: <u>08 / 04 / 21</u>	ASSESSED BY: SO, HK		
SURVEY REACH: 05		:51_AMPM PH	юто ID: (Camera-Pic #) /#		
SITE ID: (Condition-#) START	LAT 41:60:456"	Long <u>73:28</u> 53	30" LMK <u>()50</u>	GPS: (Unit ID)		
IB-O\ END	LAT 4 .060 '480"					
IMPACTED BANK: REASON □ LT RT □ Both	INADEQUATE: Kack of Recent	vegetation Too nary planted Other:	rrow Widespread invasi	ve plants		
Lieb com	vate Institutional Gol		ther Public			
(Facing downstream) LT Bank	, <u>L</u>		□: □:			
DOMINANT Pave	ed Bare ground Turf/la	□ □ □ wn Tall grass Shr		her		
LAND COVER: LT Bank];		
RT Bank			, 'Z] :		
	None	Partial coverage	☐ Extensive coverage [unknown		
STREAM SHADE PROVIDED?	None Partial	Full WETLAND	s Present? No	Yes Unknown		
			~			
POTENTIAL RESTORATION CAND		ion Greenway design	n Natural regeneration	☐ Invasives removal		
по	Other:	T				
RESTORABLE AREA		Impacted area on public land where the riparian area does	1	Impacted area on private s land where road; building		
LT BANK RT	REFORESTATION POTENTIAL:	not appear to be used for a	any presently used for a specifi	c encroachment or other		
Length (ft):	(Circle #)	specific purpose; plenty of area available for planting	purpose; available area for planting adequate	feature significantly limits available area for planting		
Width (ft): 12 ct		5	4 3	2 1		
POTENTIAL CONFLICTS WITH REI	FORESTATION	idespread invasive plant vere animal impacts (de	ts Potential contaminater, beaver) Other: Ori	ation Lack of sun		
Notes:						
-10 A of a Shrub	layer next to	Stream				
- 10 mass toos	Coupe on d Stop	am shade	•			
- needs make thee here of the form existing sh	for planting.	could Stop ,	mowing 2 F	eet back		
- Many or man.	an laute his	rer	\			
Law existing 21	100 1490 00.	•	.)	_		
			*	ter of		
- stretch from br	idge upstream	~ 100 -150	if is move	a to rocking		
- stretch from bridge upstream ~ 100-150 ft is moved to rockings bank I gravel har, full turt in this area is stream is not						
bank I grave war, full torn						
Shaded						
_						
			10000			

WATERSHED/SUBSHED: Weekeepeemel				DATE: 🕜	104/21	ASSESSED BY: CH , CP, HK	
SURVEY REACH: 05		TIME:	_: <u>O\</u> _am(PM)	Рното ID	: (Camera-Pic		
SITE ID: (Condition-#)	START L	ат <u>41°60'480"</u>	Long B. 22	14811 11	LMK()51	GPS: (Unit ID)	
IB- <u>2</u>		at 41 <u>° 60 '6 30</u> "			LMK <u>05</u> 4	<u>L</u>	
IMPACTED BANK: LT RT Both	REASON IN	ADEQUATE: Lack of	vegetation 🔲 Tooy planted 💢 Oth	ner: very c	lose pasiur		
LAND USE:	Priyate	Institutional Golf	Course Park	Other Publi	ic		
(Facing downstream) LT Bar			J 🗀	□:			
RT Bar DOMINANT	nk 🗵 Paved	Bare ground Turf/la	U U U Tall orass	Shrub/scrub	Trees	Other	
LAND COVER: LT Ba				A		X: invasives	
RT Ba			1 🗆	<u> X</u>		<u>`i:</u>	
Invasive Plants:	☐ Nor	e 🗌 Rare 🗀	Partial coverage		nsive coverage	unknown	
STREAM SHADE PROVIL	DED? Nor	ne 💢 Partial 🗆	Full WETL	ands Prese	NT?⊠No	Yes Unknown	
							
POTENTIAL RESTORATI	ION CANDIDA			f .		on X Invasives removal	
no		Other: COW (
RESTORABLE AREA		Principles	Impacted area on pull where the riparian are		acted area on either lic or private land th	1	
LT BAN	NK RT	REFORESTATION POTENTIAL:	not appear to be used	d for any pres	sently used for a spe	ecific encroachment or other	
Length (ft): 1000		(Circle #)	specific purpose; pler area available for plan		pose; available area nting adequate	available area for planting	
Width (ft): 15			5	4	3	(2) 1	
POTENTIAL CONFLICTS Poor/unsafe access to si	WITH REFOR	ESTATION WW g impervious cover Se	idespread invasive vere animal impact	plants	Potential contamer) X Other:	ination Lack of sun private ownership	
Notes:							
-Cow fencin	ng aind	pasture only	8 Pt Fre	ریل کید	ver fla	υ	
-existing buff	er is m	any invasivi	es plan	48			
- little cano	DU CO	ver					
- livestock Fer	naing S	hould be m	oved bac	Kan	d secur	ed	
- livestock fencing should be moved back and secured -more trees large burier plants needed							
works remark needed as well							
-spans a large length along river ~ 1000ff							
74	-spans a large larger						
- Approx 20			100				
1	, beef c	iass in pas	PV C				
	beef c	ious in pas	PV/C	;	•••		
	beef c	ious in pas	- V C	:	•		
	beef c	laus in pas		:	•••		
	beef (caus in pas		;	•••		



WATERSHED/SUBSHED: Weekeepeenee		DATE: 08 / 04 / 21	ASSESSED BY: CH, (PP, SK.	CH, PP, SK, SO, HK		
SURVEY REACH ID: 05		TIME: 1 : 13 AM/PM)	PHOTO ID: (Camera-Pic #)	#3		
SITE ID: (Condition-#) MI-O	LAT41.°	<u>605 </u>	<u>aa '486 " LMK: <i>0</i>5</u> a	GPS: (Unit ID)		
						
POTENTIAL RESTORATION CANDIDA						
I no		ischarge Prevention 🔀 Other:	set back animals,n	atural regen.		
DESCRIBE: END LMK 05		pet Com niver C	cioni. extends 150 A	tin length >		
-good Shrublayer and		Loss codes about	e riverbank (100	d rencing too)		
-good shrobiager and	1 some	THEE WAY WOOV	coimals further	O		
-maintain existing but	er, po	Hentially Set back	REPORTED TO LOCAL A	UTHORITIES Yes No		
-6 goats : 25 C	h.cken	2.				
<u> </u>						
WATERSHED/SUBSHED:		DATE://	ASSESSED BY:			
SURVEY REACH ID:		TIME::AM/PM	PHOTO ID: (Camera-Pic #)	/#		
SITE ID: (Condition-#) MI	Lat°_	'" Long°	'" LMK:	GPS: (Unit ID)		
POTENTIAL RESTORATION CANDIDA'			restoration Riparian Managem	ent		
_		orm water retrofit	restoration Riparian Managem	ient .		
□ no				uthorities 🗆 Yes 🔲 No		
□ no				·		
□ no				·		
□ no DESCRIBE:		ischarge Prevention	REPORTED TO LOCAL A	·		
DESCRIBE: WATERSHED/SUBSHED: SURVEY REACH ID:		DATE:/	REPORTED TO LOCAL A ASSESSED BY:	uthorities Yes No		
DESCRIBE: WATERSHED/SUBSHED: SURVEY REACH ID: SITE ID: (Condition-#) MI I	□ Di	DATE:/ TIME::AM/PM' LONG	REPORTED TO LOCAL A ASSESSED BY: PHOTO ID: (Camera-Pic #) '" LMK:	UTHORITIES Yes No /# GPS: (Unit ID)		
DESCRIBE: WATERSHED/SUBSHED: SURVEY REACH ID: SITE ID: (Condition-#) MI I POTENTIAL RESTORATION CANDIDAT	LAT°_	DATE:/ TIME::AM/PM' "LONG° orm water retrofit	REPORTED TO LOCAL A ASSESSED BY: PHOTO ID: (Camera-Pic #) '" LMK:	UTHORITIES Yes No /# GPS: (Unit ID)		
DESCRIBE: WATERSHED/SUBSHED: SURVEY REACH ID: SITE ID: (Condition-#) MI I POTENTIAL RESTORATION CANDIDAT	LAT°_	DATE:/ TIME::AM/PM' LONG	REPORTED TO LOCAL A ASSESSED BY: PHOTO ID: (Camera-Pic #) '" LMK:	UTHORITIES Yes No /# GPS: (Unit ID)		
DESCRIBE: WATERSHED/SUBSHED: SURVEY REACH ID: SITE ID: (Condition-#) MI I POTENTIAL RESTORATION CANDIDAT	LAT°_	DATE:/ TIME::AM/PM' "LONG° orm water retrofit	REPORTED TO LOCAL A ASSESSED BY: PHOTO ID: (Camera-Pic #) '" LMK:	UTHORITIES Yes No /# GPS: (Unit ID)		
DESCRIBE: WATERSHED/SUBSHED: SURVEY REACH ID: SITE ID: (Condition-#) MI I POTENTIAL RESTORATION CANDIDAT	LAT°_	DATE:/ TIME::AM/PM' "LONG° orm water retrofit	REPORTED TO LOCAL A ASSESSED BY: PHOTO ID: (Camera-Pic #) '" LMK:	UTHORITIES Yes No /# GPS: (Unit ID)		
DESCRIBE: WATERSHED/SUBSHED: SURVEY REACH ID: SITE ID: (Condition-#) MI I POTENTIAL RESTORATION CANDIDAT	LAT°_ TE	DATE:/ TIME::AM/PM' "LONG° orm water retrofit	REPORTED TO LOCAL A ASSESSED BY: PHOTO ID: (Camera-Pic #) '" LMK:	UTHORITIES Yes No /# GPS: (Unit ID)		

WATERSHED/SUBSHED:	Weekee	peemee	-	· · · · · · · · · · · · · · · · · · ·	DATE:	08/04/6	1 As	SESSED BY: SH, SO, HK
SURVEY REACH: ()	5			_: <u> </u>	Рното	D: (Camera	a-Pic #)	/# 4
SITE ID: (Condition-#)	START L	AT41 .º60	'898'	Long <u>-13</u> : 3	2 124'	' LMK	055	GPS: (Unit ID)
IB- <u>03</u>				Long <u>-13</u> (a			057	
IMPACTED BANK:	REASON IN	ADEQUATE:		vegetation 🔲 🤇	ther:	· · · · · · · · · · · · · · · · · · ·	d invasive	plants
LAND USE:	Private	_	al Golf	Course Park	Other 1			,
(Facing downstream) LT Ban			L					
RT Ban	Paved	Bare ground	L I Turf/lav			·	Other	•
LAND COVER: LT Bat	_				Ø		□:	
RT Bar	nk 🗌				X		<u>:</u>	
Invasive Plants:	☐ Non	ie □ Rare		Partial coverag	e 🔀	Extensive cover	age 🗌	unknown
STREAM SHADE PROVID	ED? Nor	ne 🗌 Parti	ial [Fuil WE	LANDS PR	ESENT? 🗆 No	, <u>X</u>	Yes Unknown
POTENTIAL RESTORATION	ON CANDIDA	Activ		ion Greenwa	design	Natural regen	eration _	Invasives removal
□ no			r:				. 140	T
RESTORABLE AREA LT BAN Length (ft): 600	K RT	REFORESTA POTENTIAL (Circle #)		Impacted area on where the riparian not appear to be u specific purpose; i area available for	area does sed for any lenty of	Impacted area on public or private in presently used for purpose; available planting adequate	and that is r a specific e area for	impacted area on private land where road; building encroachment or other feature significantly limits available area for planting
Width (ft): <u>20</u>				5	(4			2 1
POTENTIAL CONFLICTS	WITH REFOR	ESTATION g impervious co	□ Wi	despread invasiv	e plants	☐ Potential co	ntaminatio ner:	on Lack of sun
NOTES:								
- former exca	MO+;CN	area (Llong	Stream	501d	graveif	ponds	Š
- very little - decent Sh	tree 1	ayer	0					
- decent Sh	ab la	ver, Ru	ussian	Olive +	Phragi	mities +	Knot	weed .
There is	.00	J ,	(00	STURNIN	Sha	de ano	l invo	isive removal
- decent Sh -need more	trees	1 cana	by ta	5/100/	. –			
				ý.				

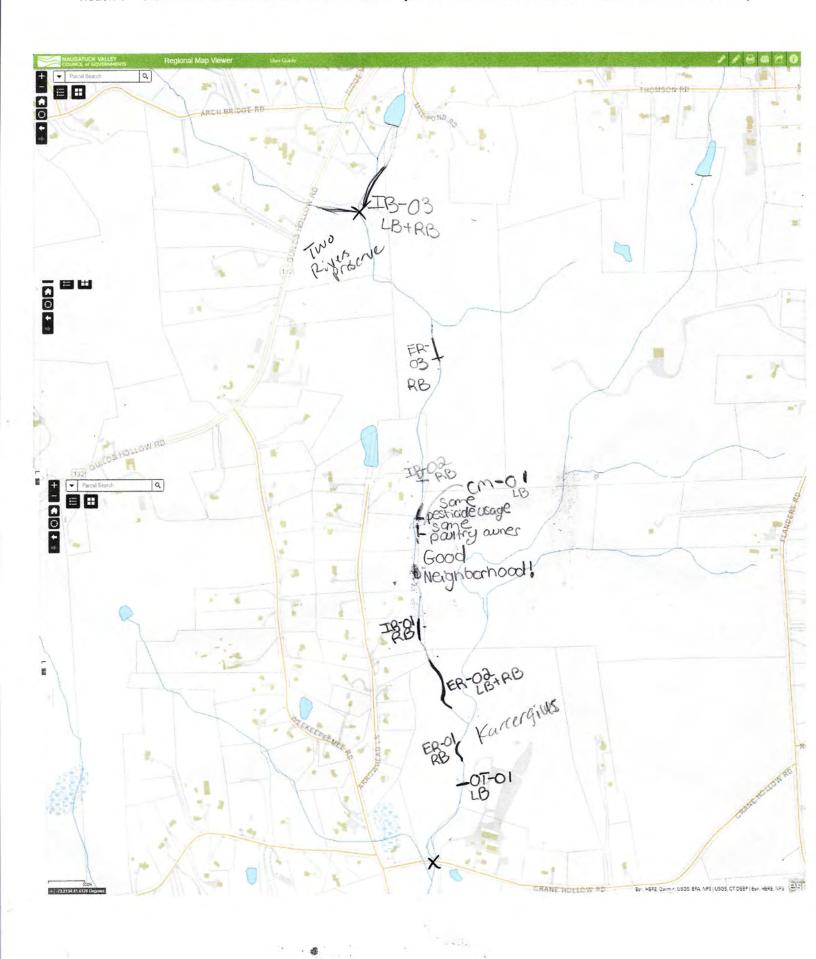
1								

Channel Modification

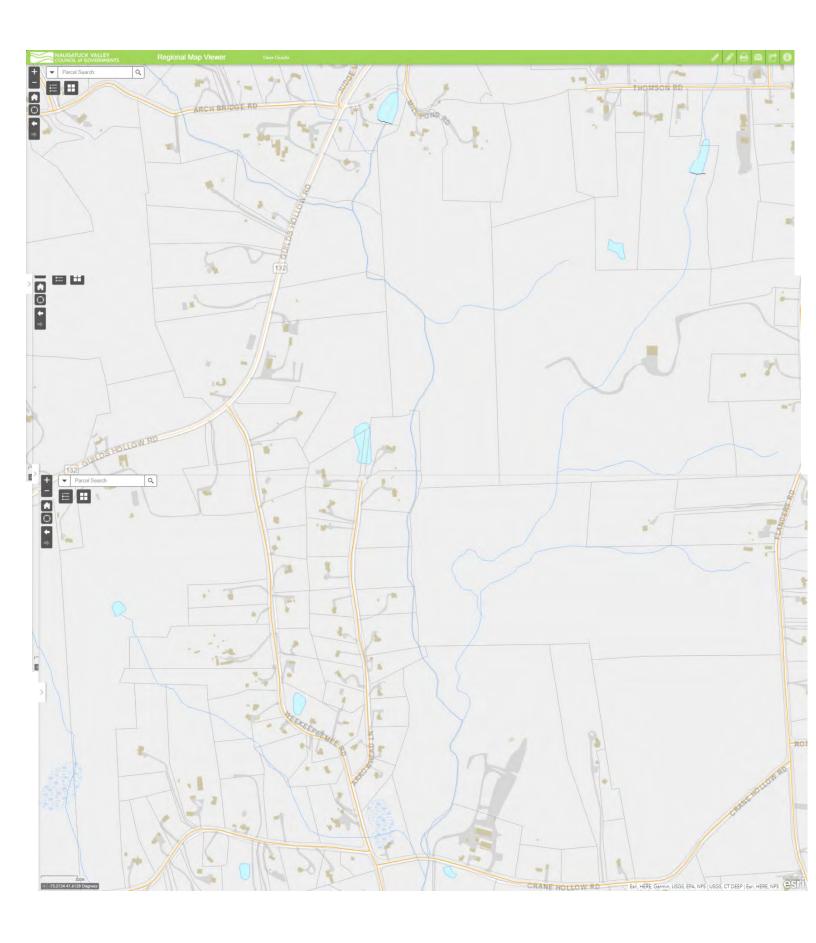
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CM

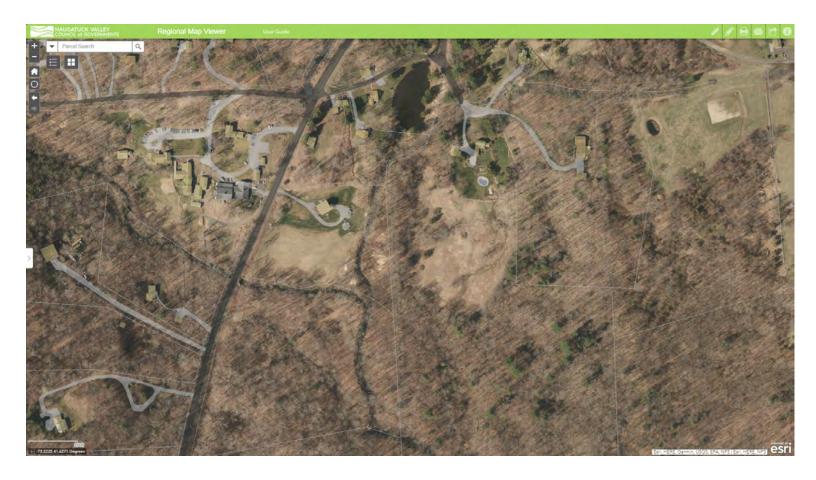
WATERSHED		Weekeepe		DATE: 08/0	14 /21	ASSESSED BY: CH. PP.	
SURVEY REA	.СН ID: ()	<u> </u>	TIME: <u>2</u> :45 AM(1	P) Рното 1	D: (Camera-Pic #)	# 5	
SITE ID: (Con	ndition-#)	START LAT 4		<u>-73;22 (152)</u> " <u>-73;22 (191)</u> "	LMK <u>056</u> LMK <u>()5</u>	GPS: (Unit ID)	
TYPE: Ch	TYPE: Channelization Bank armoring concrete channel Floodplain encroachment Other:						
MATERIAL:		Does channel hav	e perennial flow?	Yes 🗌 No	DIMENSIONS:		
Concrete Rip Rap		Is there evidence	of sediment deposition		Height	(tt) ·	
☐ Metal	A carnien	Is vegetation grov	ving in channel?	Yes No	Bottom Width Top Width:	$\begin{array}{c} 25 & \text{(ft)} \\ \hline 25 & \text{(ft)} \end{array}$	
Other:		Is channel connec	ted to floodplain?	☐ Yes No	Length:	500 † (ft)	
Base FLOW CHANNEL Depth of flow							
POTENTIAL R	ESTORATIO		Structural repair De-channelization	Base flow channel cre Fish barrier removal	eation X Natural o	channel design	
CHANNEL- IZATION SEVERITY: (Circle #)	channel when	of concrete stream (>500' water is very shallow (<1' natural sediments present	A moderate length (> 20	D') ,but channel stabilized a natural stream channel. formed in channel.	depth, a natura shape similar to above and belo	annel less than 100 ft with good water al sediment bottom, and size and o the unchannelized stream reaches ow impacted area.	
NOTES:	L		4	3	(2)	1	
1_							
-very open, plenty of room for the water to move and flood but							
-could use some woody debris, Doulder placement -very open, Plenty of room for the water to move and flood but Very little stream cover -very clear channel was straighten, very good bufrer on either bank							
- vea a	ear Cr	nannel was	straighten,	very good	buffer an	either bank	
		1	1 20 01		2001.00		
- a lot	of algo	ze I water (weed in Ch	annelised	Section)		

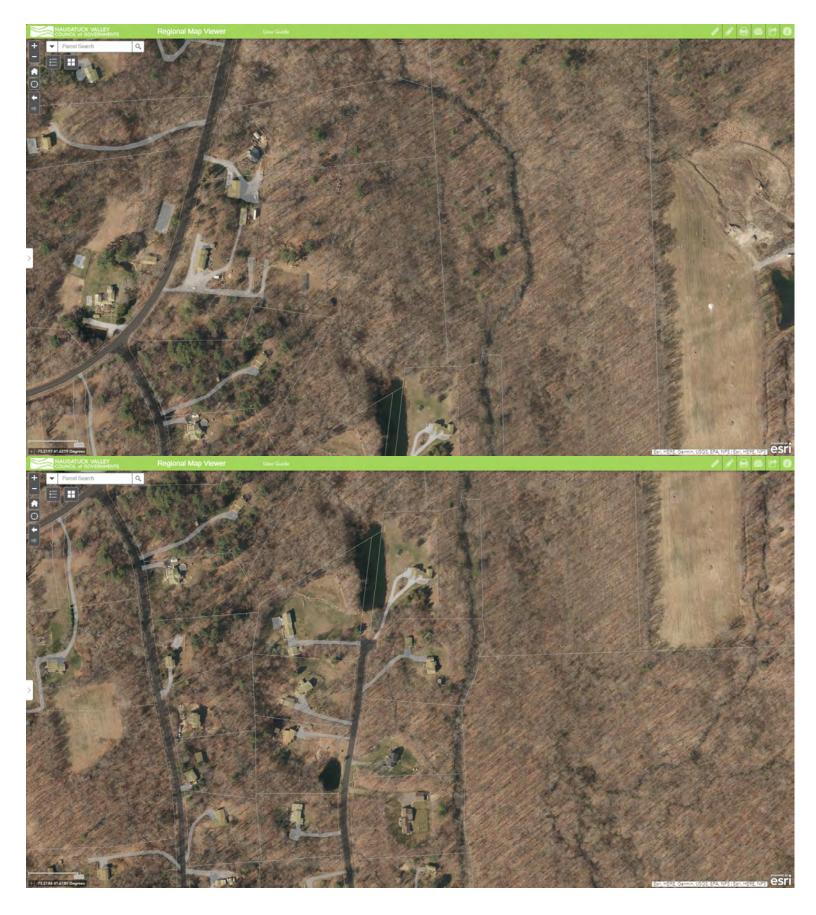
Reach 6 - Crane Hollow Road to Two Rivers Preserve (Confluence with Wood Creek - South of Mill Pond Road)

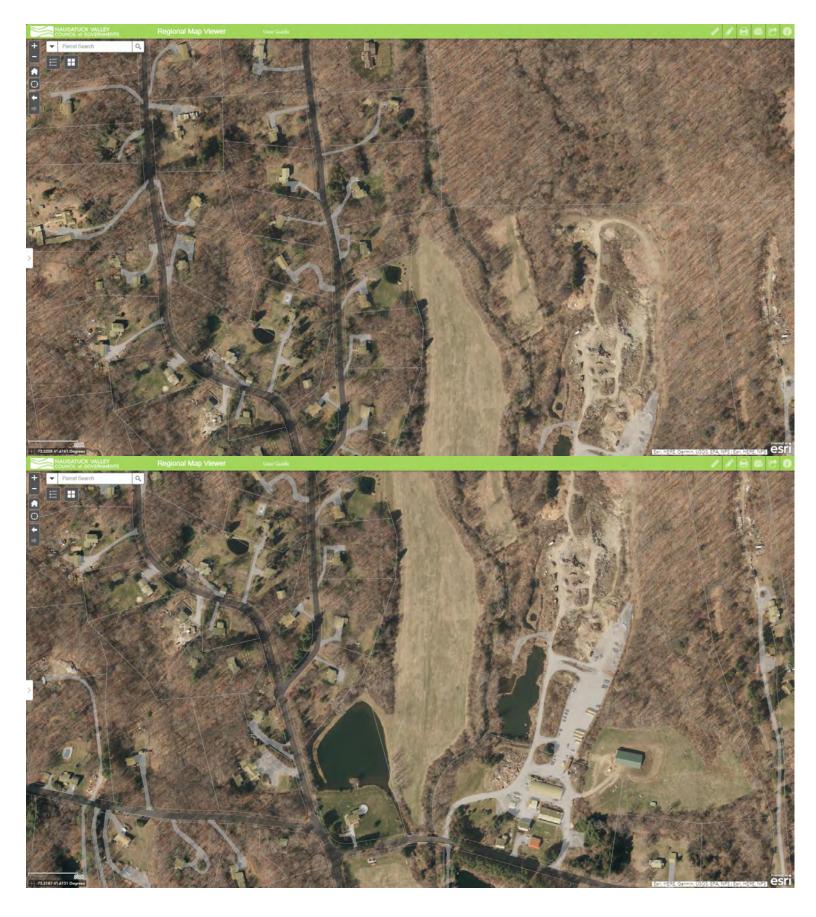


Reach 6 – Crane Hollow Road to Two Rivers Preserve (Confluence with Wood Creek – South of Mill Pond Road)











SURVEY REACH	1D: 06 V	WTRSHD/SUBSHD: Wee	Keepeemee	DATE: 08/05/81	Assessed by:			
START TIM	ME: 11:31 AM	PM LMK: 057	END TIME: 2	:15_AM/PM LM	K: <u>069</u>	GPS ID:		
LAT 41 : 612'	62 " LON	6 73: 22 191 "	LAT41 : Co2 '7	OL " LONG -13: 20	<u>'358</u> "			
DESCRIPTION: C	ane Hollou	Road Bridge	DESCRIPTION: Q+	Confluence of week	so pecuall			
and wood Creek								
RAIN IN LAST 24 H	•		PRESENT CONDITIONS		dy rain 🛚 Intern			
□ None	☐ Intermitte	7 -	Clear	☐ Trace Ove				
SURROUNDING LAN		rial X Commercial course Park		Suburban/Res Fore ☐ Pasture Other	sted 🗆 Institu er: Mead cw	tional		
AVERAGI	E CONDITIONS (c	heck applicable)	REACH SKETCH AND SITE IMPACT TRACKING					
BASE FLOW AS %					II) as well as any a			
DOMINANT SUBSTRATE □ Silt/clay (fine or slick) □ Sand (gritty) □ Gravel (0.1-2.5") □ Bed rock Cobble (2.5 -10") □ Boulder (>10") □ IBed rock								
WATER CLARITY ☐ Stained (clear, n ☐ Other (chemicals,	naturally colored)	bid (suspended matter) □ Opaque (milky)	R			L		
AQUATIC PLANTS IN STREAM	. 7.3	one □ some □ lots one □ some □ lots		ER-3				
WILDLIFE IN OR AROUND STREAM	(Evidence of) Fish □ Be □ Snails South	aver Deer her: racoon S		\ - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\			
STREAM SHADING (water surface)	Mostly shade ☐ Halfway (≥5) ☐ Partially shade ☐ Unshaded (<	ied (≥25%)		10-1	+ (#+ 1			
CHANNEL	Downcutting	g Bed scour		IB-CI/				
DYNAMICS	Widening Headcutting	1 ====						
Unknown	☐ Aggrading ☐ Sed. deposit			ER /	/			
CHANNEL	Height: LT ban							
DIMENSIONS	RT ban	5.5		/ ER	~CO			
(FACING DOWNSTREAM)	Width: Bottom	$\overline{\Pi }$	/		~			
	Тор	<u>40 (ft)</u>	/	/				
die I	REACH ACCESSIBIL Fair: Forested or	LITY Difficult. Must cross	ER-	/				
Good: Open area in public ownership,	developed area	wetland, steep slope, or	01					
sufficient room to	adjacent to stream. Access requires tree	sensitive areas to get to stream. Few areas to						
stockpile materials, easy stream channel	removal or impact to		\	, tot-ci				
access for heavy	landscaped areas. Stockpile areas	and/or located a great distance from stream.		\ \				
equipment using existing roads or trails.	small or distant from	Specialized heavy						
5	stream.	equipment required.						
Normes 4:								
Erosian-there was a great amount of headculing throughout the stream. Imparted outers were also a correct.								
the stream. Impacted outer were also a concern								
				REPORTED TO A	UTHORITIES 🔲 Y	es 🔲 No		

	Optimal	Suboptimal	Marginal	Poor	
In-stream Habitat (May modify criteria based on appropriate habitat regime)	Greater than 70% of substrate favorable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient).	40-70% mix of stable habitat; well- suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lack of habitat is obvious; substrate unstable or lacking.	
	20 19 (18) 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
VEGETATIVE PROTECTION (score each bank, determine sides by facing downstream)	More than 90% of the streambank surfaces and immediate riparian zone covered by native vegetation, including trees, understory shrubs, or nonwoody macrophytes; vegetative disruption through grazing or mowing minimal or not evident; almost all plants allowed to grow naturally.	70-90% of the streambank surfaces covered by native vegetation, but one class of plants is not well-represented; disruption evident but not affecting full plant growth potential to any great extent; more than one-half of the potential plant stubble height remaining.	50-70% of the streambank surfaces covered by vegetation; disruption obvious; patches of bare soil or closely cropped vegetation common; less than one-half of the potential plant stubble height remaining.	Less than 50% of the streambank surfaces covered by vegetation; disruption of streambank vegetation is very high; vegetation has been removed to 5 centimeters or less in average stubble height.	
	Left Bank 10 (9)	8 7) 6	5 4 3	2 1 0	
	Right Bank 10 9	8 (7) 6	5 4 3	2 1 0	
BANK EROSION (facing downstream)	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems. <5% of bank affected.	Grade and width stable; isolated areas of bank failure/erosion; likely caused by a pipe outfall, local scour, impaired riparian vegetation or adjacent use.	Past downcutting evident, active stream widening, banks actively eroding at a moderate rate; no threat to property or infrastructure Active downcutting; tall banks both sides of the stream erodi a fast rate; erosion contributing significant amount of sediment stream; obvious threat to property or infrastructure.		
	Left Bank 10 9	8 7 6	5 4 3	2 1 0	
	Right Bank 10 9	8 7 6	5 4 3	2 1 0	
FLOODPLAIN CONNECTION	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	
	Appropriate to the control of the co	ALL BUFFER AND FLOODPLAI	L	<u> </u>	
The same areas and a second	Optimal	Suboptimal	Marginal	Poor	
VEGETATED BUFFER WIDTH	Width of buffer zone >50 feet; human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, crops) have not impacted zone.	Width of buffer zone 25-50 feet; human activities have impacted zone only minimally.	Width of buffer zone 10-25 feet; human activities have impacted zone a great deal.	Width of buffer zone <10 feet: little or no riparian vegetation due to human activities.	
	Left Bank (10) 9	8 7 6	5 4 3	2 1 0	
	Right Bank 10 9	8 7 6	5 4 3	2 1 0	
FLOODPLAIN VEGETATION	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	Predominant floodplain vegetation type is turf or crop land	
<u> </u>	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
Floodplain Habitat	Even mix of wetland and non-wetland habitats, evidence of standing/ponded water	Even mix of wetland and non-wetland habitats, no evidence of standing/ponded water	Either all wetland or all non- wetland habitat, evidence of standing/ponded water	Either all wetland or all non- wetland habitat, no evidence of standing/ponded water	
	20 (19) 18; 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
FLOODPLAIN ENCROACH- MENT	No evidence of floodplain encroachment in the form of fill material, land development, or manmade structures	Minor floodplain encroachment in the form of fill material, land development, or manmade structures, but not effecting floodplain function	Moderate floodplain encroachment in the form of filling, land development, or manmade structures, some effect on floodplain function	Significant floodplain encroachment (i.e. fill material, land development, or man-made structures). Significant effect on floodplain function	
		15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	

Storm Water Outfalls

0	T
	_

WATERSHED/SUBSHED: Weekeepeemee					DATE: 08 / 05 / 84 ASSESSED BY:			
SURVEY REAC	CH ID:	20	TIME: 1 : 56 AM/I	PM	PHOTO ID: (Camera-	-Pic #)	/# (\	10
SITE ID (Condi	ition-#): O	T- <u>O</u> L	LAT 41:614:13	}_" Lo	NG-73: 22 1099	<u>}</u> " LMK <u>(</u>	95% C	GPS: (Unit ID)
BANK: XLT RT FLOW:	Head	TYPE:	MATERIAL: ☐ Concrete ☐ PVC/Plastic ☐	☐Metal ☐Brick	SHAPE: Singl Circular Doub Elliptical Triple	ole		SUBMERGED: No Partially
1	Trickle	pipe	Other: Each	nen	Other: Natural			☐ Fully
Moderate Substantial Other:	-	Open channel	Concrete Concrete Other:	Earthen	☐ Trapezoid ☐ Parabolic ☑ Other: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Width (Top):_	4 (in) 36(in) 24 (in)	NOT APPASICABLE
CONDITION: None Chip/Cracke		ODOR: ☑ ☐Gas ☐ Sewage	None Oily	NS:	VEGGIE DENSITY: None Normal		THIC GROV	WTH: None Green
☐ Peeling Pain ☐ Corrosion ☐ Other:	nt	☐ Rancid/S ☐ Sulfide ☐ Other:	Gour		☐ Inhibited ☐ Excessive ☐ Other:	☐ Good [ALITY: X Odors Algae	Colors
		<u> </u>				U Other.		
FOR	COLOR:	X	Clear Brown	Grey [Yellow Green	Orange 🔲	Red 🗌 Otl	ner:
FLOWING	TURBID		None Slight Cloudi		Cloudy Dopaque			
ONLY	FLOATA		None Sewage (toile		· · · · · · · · · · · · · · · · · · ·	m (oil sheen)	Otl	ier:
OTHER CONCERNS:	i	ls Regular Ma	•	Dumping Bank Eros		ve Sedimentation		
POTENTIAL R	ESTORAT	TION CANDII	DATE Discharge inv	estigation	☐ Stream daylighting	☐ Local stre	еат гераіг/о	ıtfall stabilization
□ no			Storm water re	_	Other:		, , , , , , , , , , , , , , , , , , ,	
If yes for dayli	ighting:	····					***	
Length of veget	ative cove	r from outfal	1:ft Typ	e of existi	ing vegetation:		Slope: _	· · · · · · · · · · · · · · · · · · ·
If yes for storm Is stormwater co	arrently co			d Use dese available				
			n a distinct color and/or a	1			· · · · · · · · · · · · · · · · · · ·	
OUTFALL SEVERITY: (circle #)	stror com strea	ng smell. The amo pared to the amo	ount of discharge is significant ount of normal flow in receiving pears to be having a	discharg discharg	scharge; flow mostly clear and e has a color and/or odor, the e is very small compared to the any impact appears to be min	amount of ne stream's base	discharge; sta	ot have dry weather hining; or appearance y erosion problems.
			5	4	3		2	1
SKETCH/NOTI								
-might	be tri	butary s	itream or out	Hall.	, unsure			
-heavy	land	use ^U S	Stream or out	211	•			
- natura	u Sk	ream 6	Flow witho	ut a	ng immedia	te con	icerns	2
						REPORTED TO) аптильтт	es: 🗆 yes 🔲 no
L								

Severe Bank Erosion

ER

WATERSHED/SUBS	SHED: We George	centei		DATE: 💮 /	_/A:	SSESSED BY:	
SURVEY REACH:	-	TIME: <u>\\</u> :_	<u>58(ам</u> /рм	РНОТО ID (САМ	ERA-PIC#):	/#	
SITE ID: (Condition-	#) START LAT 4	1:61:413	" LONG- <u>)3°</u> ,2	J.00d.	lmk <u>05</u> 8	GPS: (Unit ID)	
ER-OL	END LAT4	1:61:433	" Long <u>-73</u> ;2	2.108	LMK <u>059</u>		
		D					
PROCESS:	Currently unknown			RT Both (lo		ream) e/valley wall Other:	
Downcutting	Bed scour Bank failure	DIMENSIONS			—		
Widening Headcutting	Bank ranure Bank scour			and/or RT		Bottom width 15 ft	
Aggrading	Slope failure	Bank Ht		and/or RT 5		Top width <u>35</u> ft	
Sed. deposition	Channelized	Bank Angle	LT	° and/or RT	· /	Wetted Width 15 ft	
	Private Public	: Unknown	LAND COVER	Forest F	ield/Ag 🔲 I	Developed:	
POTENTIAL RESTO	POTENTIAL RESTORATION CANDIDATE: Grade control Bank stabilization Other:						
THREAT TO PROP	ERTY/INFRASTRUCTU	IRE: No	Yes (Descri	be):			
EXISTING RIPARIA	AN WIDTH:	<u> </u>	☐ 25 - 50 ft }	50-75ft 🗆 75-	·100ft □ >	>100ft	
EROSION	Active downcutting; tall bank of the stream eroding at a fa		Pat downcutting evid		Grade and width	th stable; isolated areas of bank	
SEVERITY(circle#)	contributing significant amou	unt of sediment to	widening, banks activ moderate rate; no thr		failure/erosion;	likely caused by a pipe outfall, local I riparian vegetation or adjacent use.	
Channelized= 1	stream; obvious threat to pre infrastructure.		infrastructure		100	inparian vegetation or adjacent use.	
A conss	5 Good access: Open area in		4 3		Difficult acces	s. Must cross wetland, steep slope or	
ACCESS:	ownership, sufficient room to materials, easy stream char	o stockpile	Fair access: Foreste adjacent to stream. A	ccess requires tree	I .	areas to access stream. Minimal available and/or located a great	
	heavy equipment using exis		removal or impact to Stockpile areas small	iandscaped areas. or distant from stream.	distance from s	tream section. Specialized heavy	
	trails.	4	3	(equipment requ	1	
NOTES/CROSS SEC	CTION SKETCH:						
-exposed	roots ov	er a h	eadcutt	ed orea			
l Mari Sar	SPCIM	· ~~+	veca la	ah laga	100	'x100ff)	
1- North 7.	icali sectio	5 7 5 10 5	7.3	9' 19	() "		
- not an	immediate	e direct	1 7 10 0	ind Chinica	rejudi	ated area	
٧						,	
					REPORTED TO	O AUTHORITIES YES NO	

Severe Bank Erosion

ER

WATERSHED/SUBS	SHED: Wee Keepe	enec		DATE: <u>38/05</u>	<u> 191</u>	ASSESS	SED BY: CHARLES
SURVEY REACH:	06	TIME: 12:	LL AM(PM)	Р ното ID (Сам			_
SITE ID: (Condition-					LMK 🔾		GPS: (Unit ID)
er- <u>02</u>	END LAT	1:61:718	" Long <u>73.°2</u>	<u>a'189"</u>	LMK() (<u> </u>	
Pro cress	Comments	PANK OF CO	NCEDN. TIT	RT Both (lo	okina dow	netraam)	•
PROCESS:	Currently unknown Bed scour	LOCATION:	Meander bend	Straight section	☐ Steep s	slope/valle	ey wall Other:
Downcutting Widening	Bank failure	DIMENSIONS					
Headcutting	Bank scour	Length (if no	GPS) LTf	t and/or RT	ft	Botton	m width <u>15</u> ft
Aggrading	Slope failure	Bank Ht	LT <u>6.5</u> f	t and/or RTt and/or RT4_	ft	Тор w	ridth <u>35 </u>
Sed. deposition	☐ Channelized	Bank Angle		° and/or RT		Wette	d Width 15 ft
LAND OWNERSHII	Private Publi	c 🔲 Unknown	LAND COVER	Forest 🗌 Fi	eld/Ag [☐ Devel	oped:
POTENTIAL RESTO	ORATION CANDIDATE	E: ☐ Grade ☐ Other		Bank stabilization			
THREAT TO PROP	ERTY/INFRASTRUCT	URE: X No	Yes (Descri	be):			
EXISTING RIPARIA	AN WIDTH:	□ <u>≤</u> 25 ft	□ 25 - 50 ft)	x 50-75ft □ 75-	100ft	□ >100f	t
EROSION	Active downcutting; tall ban of the stream eroding at a f		Pat downcutting evid	ent, active stream	Grade and	width stahl	e: isolated areas of bank
SEVERITY(circle#)	contributing significant amo	unt of sediment to	widening, banks active moderate rate; no thr		failure/eros	sion; likely o	caused by a pipe outfall, local
Channelized= 1	stream; obvious threat to pr infrastructure.	operty or	infrastructure		scour, imp	aired npana	n vegetation or adjacent use.
	5 Good access: Open area i	n nublic \	3		Difficult a	ccess. Mus	1 t cross wetland, steep slope or
ACCESS:	ownership, sufficient room t	o stockpile	Fair access: Foreste adjacent to stream. A	•	other sens	itive areas t	to access stream. Minimal ble and/or located a great
	materials, easy stream chai heavy equipment using exis		removal or impact to Stockpile areas smal	landscaped areas. I or distant from stream.	distance fr	om stream :	section. Specialized heavy
	trails.		<u> </u>		equipment	requirea.	1
NOTES/CROSS SEC	CTION SKETCH:						
-Ima Stra	etch of ero	sion wi	th little	plant gra	HULL		
10.19	t conts c	· Sma	11 amoc	int of ove	esna	n, q	
- exbosed	, (00,0,0), ii	of Com Street	CHIRP		0	
-not a +	threat to	ang i	HACCITO		٥.	l	1 . Oan
- Baks 10	threat to ft and Pig on outside	14 Sai	uk, alter	nates a	PHCC	OCO.	d in rices
	C	· · · · · ·	. Do mad	decasition	an a	o the	e inside
- Scor (an omblige	1-	The state of the s				
1							
1					REPORTE	ED TO AUT	THORITIES YES NO

WATERSHED/SUBSHED: Weekee	peemee		DATE: 08 / 05 /21	ASSESSED BY: CHOP
SURVEY REACH: 06	TIME: <u>[</u> 3	_:_3L_AM/PM)	РНОТО ID: (Camera-I	and the second s
SITE ID: (Condition-#) START L	ат <u>41°61'747</u> " 1	LONG-73,22	<u> 211." </u>	GPS: (Unit ID)
IB-O\ END L	AT	LONG°	LMK_	
IMPACTED BANK: REASON IN □ LT RT □ Both	ADEQUATE: Lack of Recently	vegetation		nvasive plants
LAND USE: Private		Course Park	Other Public	
(Facing downstream) LT Bank		_	□ : □:	
DOMINANT Paved	Bare ground Turf/lav		Shrub/scrub Trees	Other
LAND COVER: LT Bank				
RT Bank				□:
INVASIVE PLANTS: No	ne 🗶 Rare 🗆	Partial coverage	☐ Extensive coverag	e 🗌 unknown
STREAM SHADE PROVIDED? No.	ne 🗌 Partial 🔀	Full WETLA	NDS PRESENT? No	☐ Yes ☐ Unknown
			<u> </u>	
POTENTIAL RESTORATION CANDIDA		ion Greenway de	esign XI Natural regener	ation Invasives removal
☐ no	Other:			
RESTORABLE AREA	Deponestation	Impacted area on publi where the riparian area		
LT BANK RT Length (ft):	REFORESTATION POTENTIAL:	not appear to be used	for any presently used for a	specific encroachment or other
	(Circle #)	specific purpose; plent area available for plant		available area for planting
Width (ft):		5	(4) 3	2 1
POTENTIAL CONFLICTS WITH REFOR	RESTATION	despread invasive p vere animal impacts	olants Potential conta (deer, beaver) Other	amination Lack of sun
Notes:				,
-Small section (189	sthan 100 F	t) along	Orivate Orms	erty where
-Small section (les grass is mowed t	n the edge	- With V	eru little Shi	rub layer
191000 15 17000 CO 1) (1.10 or)		COVECO	rested allowed
- trees in lawn ar	rea providir	ig canq	sy cova, A) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
as Id Use More	shrub layi	er alona	Stream Flo	Streamis
a soon set far	back from	340000	e,9000	planting shaded
- area sor	au ia Ma	wed law	in area	·
- tent, camparte, R	e pit in the		. ,	
- Not hugely cond				associa ted
	N (a. A)		****	
- structure > 100 (hose)	H tran in	ζ-		

Channel Modification

CM	

WATERSHED/	SUBSHED:	Werecore	m re		DATE: QS / C	5/21	ASSESSED BY:	
SURVEY REAC	сн ID : ()	Z 1 1	TIME::_	35 AM/PM	у Рното П	O: (Camera-Pic #)	# 4	
SITE ID: (Cond	dition-#)	START LAT 41.00			13°,222.44 " 13°,222.33"	LMK <u>065</u> LMK <u>065</u>		
		//						
TYPE: Cha	annelization	Bank armoring [concrete ch	annel 🔲 F	loodplain encroach	ment Other:		
MATERIAL:		Does channel have	perennial flo	ow?	Yes 🗌 No	DIMENSIONS:	3 24 (0)	
Concrete [- .	Is there evidence of	f sediment de	eposition?	☐ Yes 🔀 No	Height Bottom Width	<u>う77</u> (ft) るち (ft)	
☐ Rip Rap Ŋ	e Earmen	Is vegetation grow	ing in channe	el?	☐ Yes No	Top Width:	<u>30</u> (ft)	
Other:		Is channel connect	ed to floodpla	ain?	Yes □ No	Length:	<u>200</u> (ft)	
% of channel	low channe	1?	Structural rep	•	ADJACENT STREAM CORRIDOR Available width LT			
CHANNEL- IZATION SEVERITY:	channel wher	n of concrete stream (>500') e water is very shallow (<1" natural sediments present i	A moderate beginning to	length (> 200') , function as a n	but channel stabilized a atural stream channel. rmed in channel.	depth, a natural shape similar the above and believed.	annel less than 100 ft with good water al sediment bottom, and size and to the unchannelized stream reaches ow impacted area.	
(Circle #)		5	4	3		2	1	
Notes: -Old Co	ock (ue Colore	all armound on wo 2000 og amonde	ng sear	Then in the state of the state	raterial, invested	good con - water flow	dition can probably through wack too	

WATERSHED/SUBSHED: Weekeep	see mel		DATE: <u>08</u>	105/24	ASSESSED BY: CHOPPEN
SURVEY REACH: 05	TIME: \	: 49 AM/PM)			
	AT 41:60:036"			LMK 06	
	AT 4\ .º62'088"			LMK06	
		V T			
IMPACTED BANK: REASON IN	ADEQUATE: Lack of Recently			Videspread inv	vasive plants
LAND USE: Private (Facing downstream) LT Bank RT Bank	Institutional Golf	Course Park	Other Public		
DOMINANT Paved LAND COVER: LT Bank RT Bank	Bare ground Turf/lav	. –	Shrub/scrub	Trees	Other ::
INVASIVE PLANTS:	ne 🗌 Rare 🔀	Partial coverage	☐ Extens	sive coverage	unknown
STREAM SHADE PROVIDED? Nor	ne 🛛 Partial 🗆	Full WETLA	ANDS PRESEN	T? X No	☐ Yes ☐ Unknown
POTENTIAL RESTORATION CANDIDA no	ATE Active reforestat Other:	ion Greenway d	esign 💢 Nati	ural regenerati	ion 🔲 Invasives removal
RESTORABLE AREA LT BANK RT Length (ft): 185 Width (ft): - 15	REFORESTATION POTENTIAL: (Circle #)	Impacted area on pub where the riparian are not appear to be used specific purpose; plen area available for plar	a does public for any prese ity of purpo	cted area on eithe or private land the ntly used for a sp se; available area ng adequate	nat is land where road; building ecific encroachment or other
Width (ft):		5	$\left(\begin{array}{c} 4 \end{array}\right)$	3	2 1
POTENTIAL CONFLICTS WITH REFOR Poor/unsafe access to site Existing	RESTATION Wing impervious cover Se	idespread invasive p vere animal impacts	plants Po	tential contam	nination Lack of sun Nivate property
NOTES: - Some Canopy layer - pool 100 F4 From - grass mow to - good access site	er providing S cm Water, Water edge For planti	tream sh house 1 2, no sh 19, a 1	ade po 150 A Novo 10 OH OF 1	artially -, potent nyer noom	y ial for Moore wy shrubs
			ंक न	•	

Severe Bank Erosion

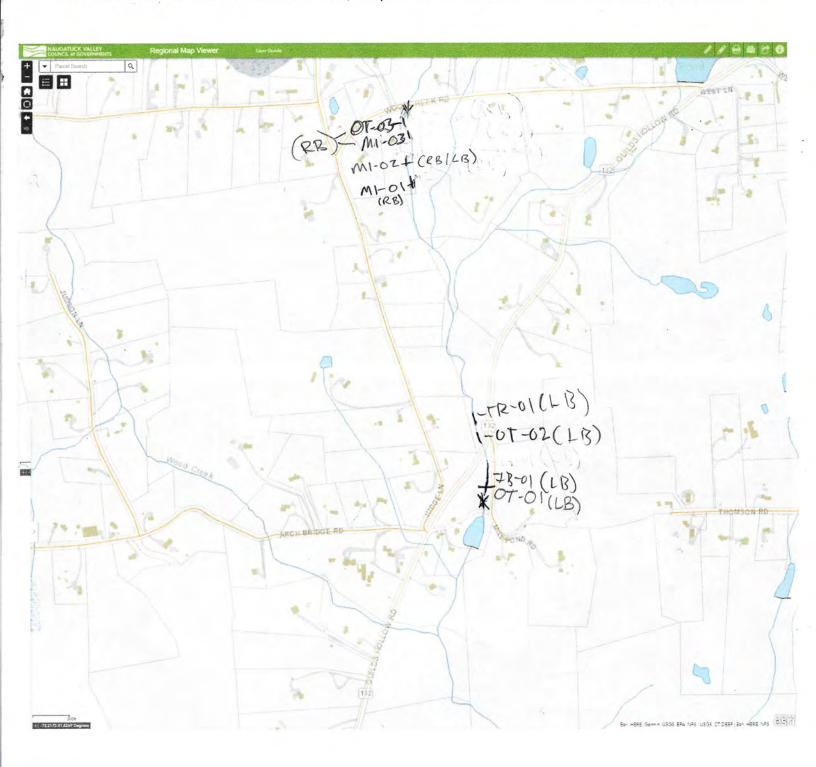
ER

WATERSHED/SUBS	SHED: (Weekrepa	enec		DATE: <u>0</u> 8/05	<u>/ai </u>	ASSESS	ED BY: CH, PP, SHA
SURVEY REACH:	06		Тіме: <u> </u>	M/MM/	Р ното ID (Сам	iera-Pic#):	/# G
SITE ID: (Condition-	·#)	START LAT4	:63 263°	" Long <u>- 13°</u> 2	2'238"	LMK <u>0</u>	27	GPS: (Unit ID)
er- <u>03</u>	٠.	END LAT 4	1 :00 ·33a	" Long <u>-13:</u> இ	<u> 2'\'8"</u>	LMK06	<u>8</u>	
	1	tly unknown	BANK OF CO	NCERN: LT LT	RT Both (laction Straight section)	ooking dow	<i>nstream)</i> lope/valle	v wall T Other
Downcutting		Bed scour	DIMENSIONS		Suarght section	Бисер з	rope/ varie	y wan 🗀 outor.
Widening		Bank failure	1		t and/or RT	A !	Rotton	n width <u>15</u> ft
Headcutting		Bank scour	Bank Ht		and/or RT 4-			dth 30 ft
Aggrading	l	Slope failure	Bank Angle		° and/or RT		_	Width $\sqrt{5}$ ft
Sed. deposition		Channelized		T				
LAND OWNERSHII	P: X P	rivate Publi	c Unknown	LAND COVER	Forest F	ield/Ag [Develo	pped:
	POTENTIAL RESTORATION CANDIDATE: Grade control Bank stabilization Other:							
THREAT TO PROP	ERTY/l	INFRASTRUCT	URE: No	Yes (Descri	be):			
EXISTING RIPARIA	an Wii	тн:	≤25 ft	□ 25 - 50 ft [□ 50-75ft □ 75	-100 ft	>100ft	
EROSION		downcutting; tall ban		Pat downcutting evidence	ent, active stream	Grade and	width stable	; isolated areas of bank
SEVERITY(circle#)	contribu	tream eroding at a f uting significant amo	unt of sediment to	widening, banks activ moderate rate; no thr		failure/eros	ion; likely ca	aused by a pipe outfall, local
Channelized= 1	stream; infrastro	obvious threat to pructure.	operty or	infrastructure			aired ripariar	vegetation or adjacent use.
	Good	5 access: Open area i	n oublic	4 3		2)))	ces Muct	1 cross wetland, steep slope or
ACCESS:	owners materia	hip, sufficient room to als, easy stream char equipment using exis	o stockpile nnel access for	Fair access: Foreste adjacent to stream. A removal or impact to Stockpile areas small	ccess requires tree	other sensi	itive areas to reas availab om stream s	orders watering, steep slope of access stream. Minimal le and/or located a great ection. Specialized heavy
		5		3		2		1
Notes/Cross Sec	CTION S	SKETCH:						
- expose	9 tr	re mo	ts, wa	ter most	My down	COHEC	o Q	
- expose) n∈	read	Containing		J	(U	
1 1-		to ction	is 7 F	t, aradu	Jany vec	anes	211	orter
1-nn pcnc	300	mles	t bank	, kange t	Marchon			
	<u> </u>	o Ste	right S	ection c	triver			
-exosion	Ut	- W J	J. ,	· N 18 ~ 01	+ Fall Fre	- Lue	Han	ds by
- some u	119	and no	earby,	DUFT OF				
eroded S	urfo	ne			•			
						.1	_	
06 (46	·s @	ame	ander 1	n the r	iver cha	nnel -)	
1 - 0000	ست - ∠خیان		tside of	bend,				
(0)	71 ng		. cide					
1 de	pos.	tion on	13/ 3 . 00					
						REPORTE	D TO AUT	HORITIES YES NO

	1 \ 1 1 1 1							- 121	1 4	CHIPPI
WATERSHED/SUBSHED:	weekee	peeme		_ #1				5/21		EESSED BY: SK, SO, HK
SURVEY REACH: () (<u>Тіме:_3</u>				ID: (C	'amera-P	Pic #)	#7
SITE ID: (Condition-#)	START LA	<u>л 41°68</u>	L'70L" 1	Long <u>-)</u>	3: <u>a</u> a	<u>-' 358''</u>	L	MK O	69	GPS: (Unit ID)
IB- <u>03</u>	END LA	T_°		LONG	<u> </u>	<u> </u>		MK_		
IMPACTED BANK: □ LT □ RT ☑ Both	REASON IN	ADEQUATE:	Lack of	-			☐ Wide	espread in	nvasive p	plants .
LAND USE: (Facing downstream) LT Bar RT Bar	\ <u> </u>	Institution		Course	Park	Other Pa			-	
DOMINANT LAND COVER: LT Ba RT Ba		Bare ground	i Turf/lav	vn Tal	l grass	Shrub/scr	rub Ti	rees	Other	wild flawers
INVASIVE PLANTS:	☐ Non	e 🔲 Rare	· 🔀	Partial co	verage	□ E:	xtensive	e coverage	e 🗌 u	ınknown
STREAM SHADE PROVID	DED? Non	e 🛛 Part	ial [Fuli	WETLA	ANDS PRE	SENT?	□No	'ΣΥ	es Unknown
STABINI SHADE I HOTH										
POTENTIAL RESTORATI	ON CANDIDA	TE Activ		ion □Gre	enway d	esign 🗖	Natura	l regenera	ation 🗌	Invasives removal
RESTORABLE AREA				Impacted a				area on eiti		impacted area on private
Length (ft): 300	RT 300	REFOREST. POTENTIAL (Circle #)		where the not appear specific purarea availa	to be used pose; plen	for any	presently	private land used for a s available an adequate	specific	land where road; building encroachment or other feature significantly limits available area for planting
Width (ft): <u>75</u>	35			5		4		3	1	! 1
POTENTIAL CONFLICTS Poor/unsafe access to si	WITH REFOR	ESTATION g impervious c	☐ Wi	despread i	nvasive p l impacts	plants [s (deer, be	Poten	tial conta	mination:	Lack of sun
Notes:							~ -			
- ocodinetia	nd Lips	stream	CF	impa	ctec	y buf	fer	-		
- parajoens		5 PLY	`00.00`	CACO (40°	FLOG	Ü			
Notes: - pand wetta - pool set be	ach 1	J ++ F	1.0.1	J110	۸· ۱	, , , ,	-			
-at a con	Fluence	e wit	h W	bood	Cre	eК				
<u>~</u>			00001	C . 1	_ 10	(1)	0.0	d <	me	
-a few tre	zes, m	oetly !	トレビント	(,07	- 100	W()	WI)	<u>"</u>	S ,C	
Shrub W	ia flou	res of			^ ^		1 ^	10+	~ <i>^</i>	cacm
and test	icce . r	ntentio	u, ea	284	$\alpha\alpha$	ess.	10	101	UF 1	() ()
- good rest	inco f		Δ	0		1				
		/	1 1 /	pod		1	on W	ne		
		Lincolay	140x5c	Por		Jan Ku	r			
	4	•	Λ C :	i de la companya de La companya de la co		1				
	, a	1 the the	ork				***			
	Poute	We	od tree	K.	Marine Alexander					
			····							

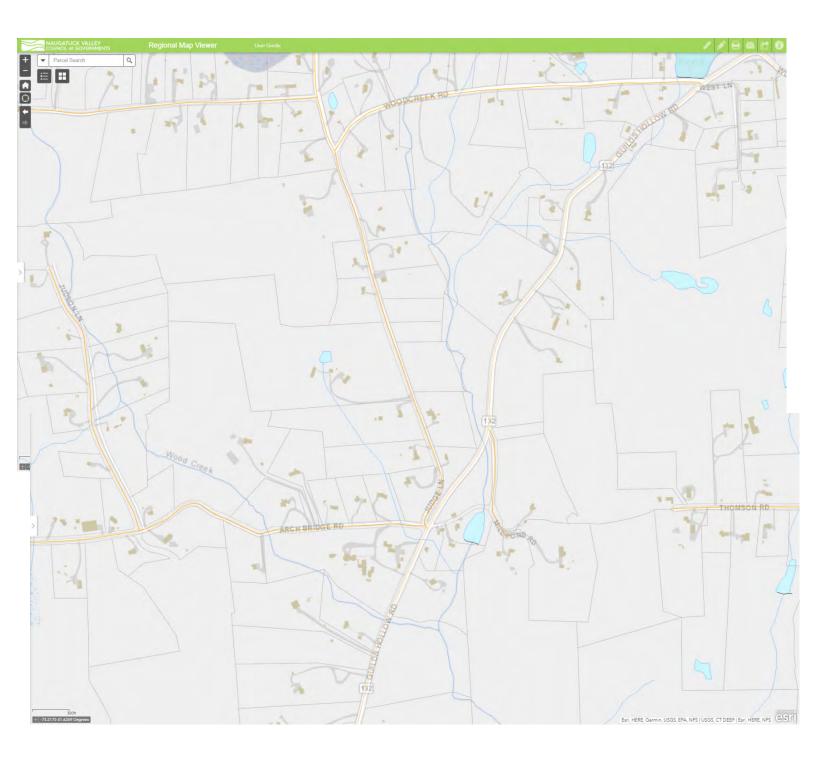
Reach 7 - Mill Pond Road to Wood Creek Road

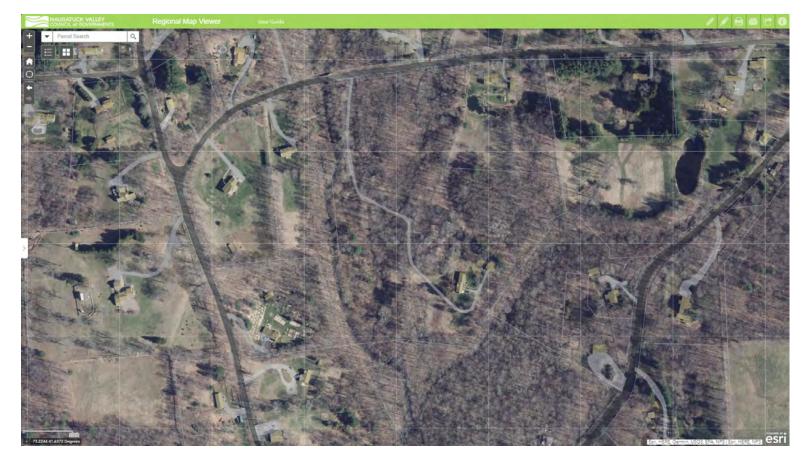
NOTES – Wood Creek Road Bridge is out – active construction zone. Start upstream of the pond on Mill Pond Rd. Reach 6 will end at the confluence of Wood Creek; exit point for Reach 6 is at Two Rivers Preserve located on Route 132.



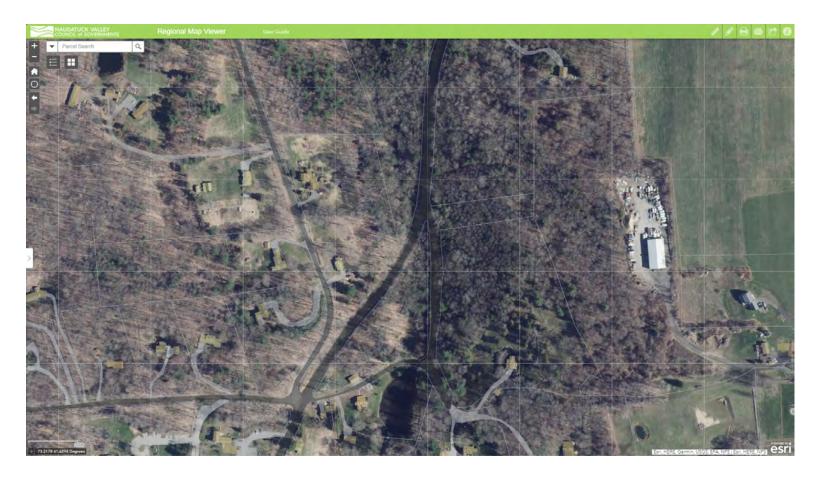
Reach 7 - Mill Pond Road to Wood Creek Road

NOTES – Wood Creek Road Bridge is out – active construction zone. Start upstream of the pond on Mill Pond Rd. Reach 6 will end at the confluence of Wood Creek; exit point for Reach 6 is at Two Rivers Preserve located on Route 132.









SURVEY REACH	ID: 0 7 W	TRSHD/SUBSHD: \	el Keepeenee	DATE: B / 10	$\frac{1}{2021}$ Assess	OPISICSO
START TE	ME: <u>0</u> :0< AM/P	м LMK : 70	END TIME:	: 1/5 AM/PM	LMK: 7	Z GPS ID:
LAT 41 .52	916" Long	73 · 20 · 100	LAT41 .63	864" LONG	13.22 .49	79
		1/Route 132	1 ' '	Wood Creck		*
Description (C	in rong Ro	Troute 1 32		W 000 Creen	Ra	
RAIN IN LAST 24 H	ours Heavy rain	n □,Steady rain	PRESENT CONDITION	s	☐ Steady rain	☐ Intermittent
□ None	☐ Intermitter	1	☐ Clear	☐ Trace	•	Partly cloudy
SURROUNDING LAI						☐ Institutional
Seldtoenbrid La	☐ Golf co		☐ Crop	☐ Pasture	Other:	_ mstrutionar
AVERAG	E CONDITIONS (ch	eck applicable)	REACI	H SKETCH AND SP	TE IMPACT TRA	CKING CONTRACTOR
BASE FLOW AS %	□ 0-25%	50%-75%	Simple planar sketc	h of survey reach. Tra	ick locations and ID	s for all site impacts
CHANNEL WIDTH	□25-50 %	□ 75-100%	within the survey i	reach (OT, ER, IB,SC,	UT, TR, MI) as well	l as any additional
DOMINANT SUBST	DATE			es deemed appropriate	Indicate direction	05/2
☐ Silt/clay (fine or		Cobble (2.5 –10")			101	03 (RB)
☐ Sand (gritty)	5	Boulder (>10")		-/	-/mI	25 (K)
☐ Gravel (0.1-2.	5") □ B	ed rock				
WATER CLARITY	¹ Clear □Turbi	d (evenanded matter)			/	Z (13/53)
· —	naturally colored)			1	MITO	7 (200
Other (chemicals		- L I I / 5>		/ /		
AQUATIC PLANTS	Attached: Ino	ne □ some □ lots			7	120)
IN STREAM	م ا.	e □ some □ lots		T	1 - 01 (128)
	(Evidence of)	d some in tots			`	,
WILDLIFE IN OR	Fish D Bear	ver 🔁 Deer				
AROUND STREAM	☐ Snails 🗹 Othe	er:Ralloon				
	Mostly shaded	(≥75% coverage)				
STREAM SHADING	☐ Halfway (≥50%					
(water surface)	☐ Partially shade ☐ Unshaded (< 2					
	· · · · · · · · · · · · · · · · · · ·	· · ·	-			
CHANNEL	☐ Downcutting ☐ Widening	Bed scour Bank failure				
DYNAMICS	Headcutting	Bank scour		\ \		
	Aggrading	Slope failure		\		
Unknown	Sed. depositio					
	II-1-14. IT1-14.	7 (2) (0)				
CHANNEL	Height: LT bank	$\frac{20}{20}$ (ft)				
DIMENSIONS (FACING	RT bank			\		
DOWNSTREAM)	Width: Bottom	$\sqrt{5}$ (ft)		· \		
·	Тор			\	1	R-01 (18)
	REACH ACCESSIBILI					(0 ((0.3)
Good: Open area in	Fair: Forested or developed area	Difficult. Must cross wetland, steep slope, or		į	\ (R-01 (LB) OF-02 (LB) IB-01 (LB) T-01 (LB)
public ownership, sufficient room to	adjacent to stream.	sensitive areas to get to		-	'	of or the
stockpile materials,	Access requires tree removal or impact to	stream. Few areas to stockpile available		a E	1	10:01
easy stream channel access for heavy	landscaped areas.	and/or located a great		**-		TO-01 (48)
equipment using	Stockpile areas small or distant from	distance from stream. Specialized heavy		-	· · ·	T (1/.)
existing roads or trails.	stream.	equipment required.			O	1-01(5B)
5	4 3	1				
	blem you see in survey		^			
icasn, Ci	varing m	odification	1		. Se d∎ar.	
				REPORT	TED TO AUTHODIT	TES T VES T NO

	Optimal	Suboptimal	Marginal	Poor
IN-STREAM HABITAT (May modify criteria based on appropriate habitat regime)	Greater than 70% of substrate favorable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient).	40-70% mix of stable habitat; well- suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lack of habitat is obvious; substrate unstable or lacking.
nuonui regime)	20 19 (18) 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
VEGETATIVE PROTECTION (score each bank, determine sides by facing downstream)	More than 90% of the streambank surfaces and immediate riparian zone covered by native vegetation, including trees, understory shrubs, or nonwoody macrophytes; vegetative disruption through grazing or mowing minimal or not evident; almost all plants allowed to grow naturally.	70-90% of the streambank surfaces covered by native vegetation, but one class of plants is not well-represented; disruption evident but not affecting full plant growth potential to any great extent; more than one-half of the potential plant stubble height remaining.	50-70% of the streambank surfaces covered by vegetation; disruption obvious; patches of bare soil or closely cropped vegetation common; less than one-half of the potential plant stubble height remaining.	Less than 50% of the streambank surfaces covered by vegetation; disruption of streambank vegetation is very high; vegetation has been removed to 5 centimeters or less in average stubble height.
	Left Bank 10 9	8 7 6	5 4 3	2 1 0
	Right Bank 10 9	(8) 7 6	5 4 3	2 1 0
BANK EROSION (facing downstream)	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems. <5% of bank affected.	Grade and width stable; isolated areas of bank failure/erosion; likely caused by a pipe outfall, local scour, impaired riparian vegetation or adjacent use.	Past downcutting evident, active stream widening, banks actively eroding at a moderate rate; no threat to property or infrastructure	Active downcutting; tall banks on both sides of the stream eroding a a fast rate; erosion contributing significant amount of sediment to stream; obvious threat to property or infrastructure.
	Left Bank 10 (9)	8 7 6	5 4 3	2 1 0
	Right Bank 10 9	8 7 6	5 4 3	2 1 0
FLOODPLAIN CONNECTION	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.
	20 19 (18) 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
	OVER	ALL BUFFER AND FLOODPLAI	N CONDITION	
	Optimal	Suboptimal	Marginal	Poor
VEGETATED BUFFER WIDTH	Width of buffer zone >50 feet; human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, crops) have not impacted zone.	Width of buffer zone 25-50 feet; human activities have impacted zone only minimally.	Width of buffer zone 10-25 feet; human activities have impacted zone a great deal.	Width of buffer zone <10 feet: little or no riparian vegetation due to human activities.
	Left Bank 10	8 7 6	5 4 3	2 1 0
	Right Bank 10	8 7 6	5 4 3	2 1 0
				
	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	
	Predominant floodplain vegetation type	Predominant floodplain vegetation	Predominant floodplain vegetation type is shrub or old	Predominant floodplain vegetation
VEGETATION FLOODPLAIN	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	Predominant floodplain vegetation type is turf or crop land
VEGETATION FLOODPLAIN	Predominant floodplain vegetation type is mature forest 20 19 18 17 16 Even mix of wetland and non-wetland habitats, evidence of standing/ponded	Predominant floodplain vegetation type is young forest 15 14 12 11 Even mix of wetland and non-wetland habitats, no evidence of	Predominant floodplain vegetation type is shrub or old field 10 9 8 7 6 Either all wetland or all nonwetland habitat, evidence of standing/ponded water 10 9 8 7 6	Predominant floodplain vegetation type is turf or crop land 5 4 3 2 1 0 Either all wetland or all non-wetland habitat, no evidence of standing/ponded water 5 3 2 1 0
FLOODPLAIN VEGETATION FLOODPLAIN HABITAT FLOODPLAIN ENCROACH- MENT	Predominant floodplain vegetation type is mature forest 20 19 18 17 16 Even mix of wetland and non-wetland habitats, evidence of standing/ponded water	Predominant floodplain vegetation type is young forest 15 14 13 12 11 Even mix of wetland and non-wetland habitats, no evidence of standing/ponded water	Predominant floodplain vegetation type is shrub or old field 10 9 8 7 6 Either all wetland or all non- wetland habitat, evidence of standing/ponded water	Predominant floodplain vegetation type is turf or crop land 5 4 3 2 1 0 Either all wetland or all non-wetland habitat, no evidence of standing/ponded water

.

Storm Water Outfalls

OT

WATERSHED/	SUBSHED	: Wec	Keer	eenee		Date: <u>8</u> /	10 /21	Assess	SED BY: (CH, PP, SK, S
SURVEY REAC	TH ID:	07	T	ME: 10:05AM/PM		Рното ID: (Camera-Pic		/#	,
SITE ID (Condition-#): OT-O\			L	AT 41 052916	_" Lo	NG 73º201	100 "	LMK_C	770	GPS: (Unit ID)
BANK: XIT RT FLOW: None	Head Trickle	TYPE:	sed	MATERIAL: Concrete I PVC/Plastic I Other:	Metal Brick	SHAPE: [Circular [Elliptical [Other:		Dimension Diameter:		SUBMERGED: No Partially Sully
Moderate Substantial Other:		☐ Ope chan		☐ Concrete ☐ Ea	rthen	☐ Trapezoid ☐ Parabolic ☐ Other:	Wid	oth: ith (Top): (Bottom):		NOT APPECABLE
CONDITION: None Chip/Cracke Peeling Pain Corrosion Other:	d t	ODOR: Gas Sew Ranc Sulfi	age id/Sour ide	DEPOSITS/STAINS None Oily Flow Line Paint Other:	:	VEGGIE DEN None Normal Inhibited Excessive Other:		Brown Other: POOL QUA Good	Orang	- 1
FOR	Color:		☐ Clea	ar Brown G	Г	Yellow 🔲	Green T	Drange [] I	Ped 🗖 O	ther
FLOWING	TURBIDI		☐ Non	The state of the s			Opaque	Jiange 🔲 i		uici.
ONLY	FLOATA			e Sewage (toilet)			Petroleum (o	il sheen)		ther:
OTHER CONCERNS:		ss Trash (Is Regular		- /	umping unk Eros		Excessive Souther:	on e	n	
POTENTIAL R	ESTORAT	TION CAI	NDIDAT	E Discharge inves		n ☐ Stream day	lighting [Local strea	am repair/	outfall stabilization
If yes for dayli	ghting:									
		r from ou	utfall:	ft Type o	of existi	ing vegetation:_			_Slope:	•
If yes for storn	ıwater:									
Is stormwater cu		ntrolled?		Land U	Jse desc	cription:				1
☐ Yes ☐ No	•			Area a	vailable) :				
OUTFALL SEVERITY: (circle #)	stror com strea	ng smell. The pared to the	e amount o amount o ge appears	stinct color and/or a of discharge is significant f normal flow in receiving to be having a sam.	discharge discharge	scharge; flow mosti e has a color and/o e is very small com any impact appear	r odor, the amor pared to the stre	unt of eam's base	discharge; s	s not have dry weather staining; or appearance any erosion problems.
	-		5	4		3		2		
SKETCH/NOTE	es:	osta	for	(Cod	kerhalang magai sarang			100	vere	el
		_ (J				1			
	-		3h	rehn			Dr	PORTEN TO	AUTHODI	TIES: YES NO
			311	(- AE	A VRIED IV	111VRI	1113.

WATERSHED/S	SUBSHED	: Wel	15			DATE: 🖄	10,20	21 Asses	SED BY:	CA DP SCISK
SURVEY REAC	H ID:	07	ТІМ	e: <u> () :} 7</u> am/pn	М	PHOTO ID: (Camera-Pic #) /#				
SITE ID (Condit	tion-#): O	т- <u>02</u>	LAT	41.63.19	<u> </u>	ONG <u>_}</u> 3_°_3	2 <u>2 1285 "</u>	LMK_	72	GPS: (Unit ID)
1 = -] Head Trickle	TYPE: Closed pipe		MATERIAL: Concrete PVC/Plastic Other:	Metal Brick	SHAPE: Circulate Elliptice Other:	Single Touble al Triple	D IMENS	/	SUBMERGED: No Partially Fully
☐ Moderate ☐ Substantial ☐ Other:		☐ Open channel		Concrete E	arthen	☐ Trapezo☐ Parabol☐ Other:	lic w	epth: idth (Top): (Bottom):		NOT APPASICABLE
CONDITION: None Chip/Cracke		ODOR:		DEPOSITS/STAINS INOne Oily Include Including	S:	VEGGIE I]	☐ Brown ☐ Other:	☐ Orai	None I None I None I None
Peeling Paint Corrosion Other:	:	□Rancid/S □ Sulfide □ Other:		☐ Paint ☐ Other:		☐ Inhibite☐ Excessi☐ Other:		☐ Good [□Odors	✓ No pool Colors Oils Floatables
	~		Cl		N	[] <u>v.u</u>	П.С П	<u> О</u> П	p. 4 □ 4	041
FOR FLOWING	Color:		Clear	☐ Brown ☐ C		☐ Yellow☐ Cloudy	☐ Green ☐ ☐ Opaque	Orange	Ked 🔲 (Jiner:
ONLY	TURBIDI FLOATA		None None	Sewage (toilet			☐ Petroleum (oil sheen)	П	Other:
OTHER CONCERNS:	Exce	ss Trash (pap ls Regular Ma	er/plast	tic bags)		g (bulk)	Excessive Other:			
										
POTENTIAL RI	ESTORAT	TION CANDI		Discharge inve	-	n Stream Other:	daylighting [Local stre	eam repair	outfall stabilization
If yes for dayli	ahtina:			Storm water ret	10110					
Length of vegeta	_	r from outfal	1:	ft Type	of exist	ting vegetation	on:		Slope:	0
If yes for storm Is stormwater cu ☐ Yes ☐ No	rrently co				Use des availabl		091 (13)	ntuF	Usy	_
OUTFALL SEVERITY: (circle #)	stror com strea	vy discharge with ng smell. The am pared to the amo am; discharge ap ficant impact do	ount of d ount of no pears to	ischarge is significant ormal flow in receiving be having a	dischar dischar	ge has a color a ge is very small	mostly clear and oc ind/or odor, the am compared to the si pears to be minor	ount of tream's base	discharge	es not have dry weather ; staining; or appearance any erosion problems.
			5		4		3		2	(1)
SKETCH/NOTE - LUFS	of	May be cans 8	Pot	Y Sheam	(10	esizes				
				× + + 1						
				<i>i</i>		,	R	EPORTED TO) AUTHOR	ITIES: YES NO

Impacted	Buffor
impacted	Burrer

IB

WATERSHED/SUBSHED: Wellegeme DATE: 8 110 12021 ASSESSED BY: CH PP
SURVEY REACH: 07 TIME: 10:07 AM/PM PHOTO ID: (Camera-Pic #) /#
SITE ID: (Condition-#) START LAT 410 72 916" LONG 73 0 20 1 100" LMK 7 0 GPS: (Unit ID)
IB- () END LAT ((%) '110" LONG ->) 0 22 '246" LMK 71
IMPACTED BANK: REASON INADEQUATE: Lack of vegetation Too narrow Widespread invasive plants LT RT Both Recently planted Tother:
LAND USE: Private Institutional Golf Course Park Other Public (Facing downstream) LT Bank
RT Bank
DOMINANT Paved Bare ground Turf/lawn Tall grass Shrub/scrub Trees Other
LAND COVER: LT Bank (1)
RT Bank
INVASIVE PLANTS: None Rare Partial coverage Extensive coverage unknown
STREAM SHADE PROVIDED? None Partial Full WETLANDS PRESENT? No Yes Unknown
POTENTIAL RESTORATION CANDIDATE
Ď no □ Other:
RESTORABLE AREA Impacted area on public land Impacted area on either Impacted area on private
LT BANK RT REFORESTATION where the riparian area does public or private land that is land where road; building not appear to be used for any presently used for a specific encroachment or other
Length (ft): FOIENTIAL: specific purpose; plenty of purpose; available area for feature significantly limits
Width (ft):
5 4 3 2 (1)
POTENTIAL CONFLICTS WITH REFORESTATION
Notes:
- LOTS of armoring, evidence of channel modification
- No lesteration caribate, as 1000 dispers real true along
- No Los for a you compared to long frequently six
- Right bank has some minor under cutting

l de la companya de

Trash and Debris

WATERSHED/SUE	SHED: Wef) IC		DATE: <u> </u>	0 12021	ASSESSED BY: CH. PP. S/C.		
SURVEY REACH I	D : 07	TI	ME: [0 5] AM/PM	РНОТО ID: (Са	mera-Pic#)	/#		
SITE ID: (Condition	7-#) TR- <u>0</u>	LAT U	63 1269 " LON	16-73.22 128	<u>'()</u> " LMK _	GPS: (Unit ID)		
TYPE: Industrial Commercial	MATERIAL: Plastic Tires	☐ Paper	☐ Metal	SOURCE: Unknown Flooding	LOCATION: Stream Riparian Are	LAND OWNERSHIP: Public Unknown Private		
Residential	☐ Appliances ☐ Automotive	☐ Yard W ☐ Other:	/aste	☐ Illegal dump☐ Local outfall	Lt bank	A NEOVYNYM (# D) 1 . I		
POTENTIAL REST	POTENTIAL RESTORATION CANDIDATE							
If yes for trash or	EQUIPMENT NEE	DED: 🏻 H	Ieavy equipment 🔽	Frash bags 🔲 Unkno	own	DUMPSTER WITHIN 100 FT:		
debris removal	WHO CAN DO IT:	ψv	olunteers	am 🗌 Other	☐ Yes ☑ No ☐ Unknown			
CLEAN-UP POTENTIAL: (Circle #)	TENTIAL: than two pickup truck loads) located inside a park with easy access a long period of time but it could be cleaned up in a long period of time but it could be cleaned							
	5		(4)	3	2	1		
Notes: - 200	13 size 1	(4(V	J					
					Reportei	TO AUTHORITIES YES NO		

0 dia -	11		
Miscel	llar	ieot	JS

IVER	

WATERSHED/SUBSHED: Week	DATE: 10/8 12021	ASSESSED BY: (HIPP SIC SU					
SURVEY REACH ID: 07	TIME: 1 : 3 6 AM/PM	Рното ID: (Camera-Pic #) // /#					
SITE ID: (Condition-#) MI LAT(<u>• 63 1774" LONG 73°</u>	27.379" LMK: 74 GPS: (Unit ID)					
POTENTIAL RESTORATION CANDIDATE		restoration Riparian Management					
	Discharge Prevention Other:						
DESCRIBE: May - May 16CK b		wall					
- Lant Clearing of	ar for stal						
		REPORTED TO LOCAL AUTHORITIES 🗌 Yes 💆 No					
WATERSHED/SUBSHED: Well	DATE: 3/16 /2021	ASSESSED BY: CH. PP. SIC, SO					
SURVEY REACH ID: 67	TIME: (1 :4 } AM/PM	Рното ID: (Camera-Pic #) 5 /#					
	635,09 "LONG 730"	22 · 367" LMK: 75 GPS: (Unit ID)					
POTENTIAL RESTORATION CANDIDATE ☐ S ☐ no ☐ I	Storm water retrofit \(\sum \sigms \) Stream of the strea	restoration Riparian Management					
DESCRIBE:	1 1. 5 200						
- Man-make Stare was	1 1/2 2/4 (-0/4)						
-Between 2-3 Feet	in reight						
		Presented to your answer T. V., VI.					
		REPORTED TO LOCAL AUTHORITIES Yes No					
	- 0 . (1) . 7(2)						
WATERSHED/SUBSHED: Welk	DATE: 8 / (0/2021						
SURVEY REACH ID: 0 7	TIME: 1 : 37 AM/PM	PHOTO ID: (Camera-Pic #) /#					
	SITE ID: (Condition-#) MI- 03 LAT 1 0636 164 "LONG 730 ZZ 1786" LMK: 76 GPS: (Unit 1D)						
SITE ID: (Condition-#) MI- 03 LAT	10 36 109 "LONG 730"	27 156" LMK: 76 GPS: (Unit ID)					
POTENTIAL RESTORATION CANDIDATE S	torm water retrofit Stream r	estoration Riparian Management					
POTENTIAL RESTORATION CANDIDATE S	torm water retrofit Stream r	estoration Riparian Management					
POTENTIAL RESTORATION CANDIDATE S	torm water retrofit Stream r	estoration Riparian Management					
POTENTIAL RESTORATION CANDIDATE S	torm water retrofit Stream r Discharge Prevention Other: (004C	estoration Riparian Management					

Storm Water Outfalls

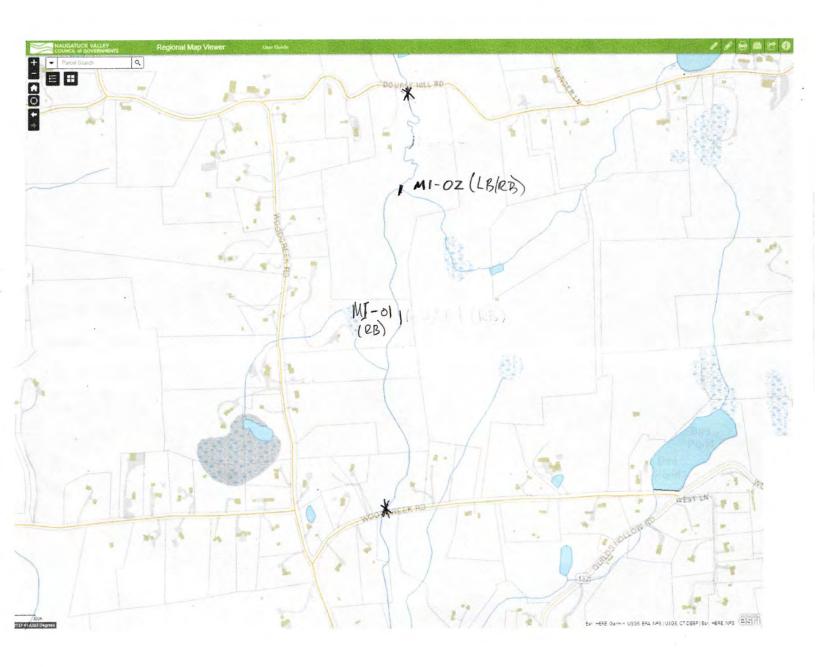
OT

WATERSHED/SUBSHED: WLC <				DATE: 8/10/201 ASSESSED BY: CLAPS						
SURVEY REAC	H ID:	07	TI	ME:12:34AM	1/PM	Рното П	D: (Camera-Pa		/#	
SITE ID (Condi	tion-#): O	т- <u>03</u>	- LA	т <u>Щ(° 63.</u>	864 L	ong ろ。	22.491.	' LMK_	72	GPS: (Unit ID)
BANK: LT RT FLOW: V None	Head Trickle	TYPE:		MATERIAL: Concrete PVC/Plastic Other:	Metal □Brick	SHAPE: Circula Elliptic Other:	Single r Double al Triple	DIMENS Diameter	ions: : 12 (in)	SUBMERGED: No Partially Fully
Moderate Substantial Other:	THICKIE	☐ Ope		Concrete C] Earthen	☐ Trapezo	lic V	epth: /idth (Top): " (Bottom):		NOT APPRICABLE
CONDITION: None Chip/Cracke Peeling Pain Corrosion Other:		ODOR: Gas Sew Rance Sulf	age sid/Sour ide	DEPOSITS/STA None Oily Flow Line Paint Other:	AINS:	VEGGIE I None Normal Inhibite Excessi	ed	Brown Other: POOL QU Good	Orang ALITY: [Odors [Algoe [
1 :	☐ Need	BLES: ss Trash (paper/pla Mainten	Slight Clou Sewage (to stic bags)	ilet paper, Dumping Bank Ero	Cloudy etc.) g (bulk) osion	Green Opaque Petroleum Excessive Other: A	(oil sheen) Sedimentation	□ O on	
If yes for dayli, Length of vegeta If yes for storm	ative cove	r from ou	utfall:	Storm water		Other:	on:		Slope:	<u> </u>
Is stormwater cu	-				and Use des					
OUTFALL SEVERITY: (circle #)	Hear stron com strea	vy discharge ng smell. Th pared to the	e with a dist e amount of amount of ge appears	inct color and/or a f discharge is significal normal flow in receivin to be having a	ng dischar	lischarge; flow i ge has a color a ge is very small	nostly clear and o nd/or odor, the an compared to the s pears to be minor	nount of stream's base	discharge; s	not have dry weather staining; or appearance any erosion problems.
			5		4		3		2	(1)
SKETCH/NOTE - Z 5		trov	m ri	w	Rod	7	of the state of th	New	Brd	eje Flav
				(12:0				1	TIES: YES NO

not to scale!

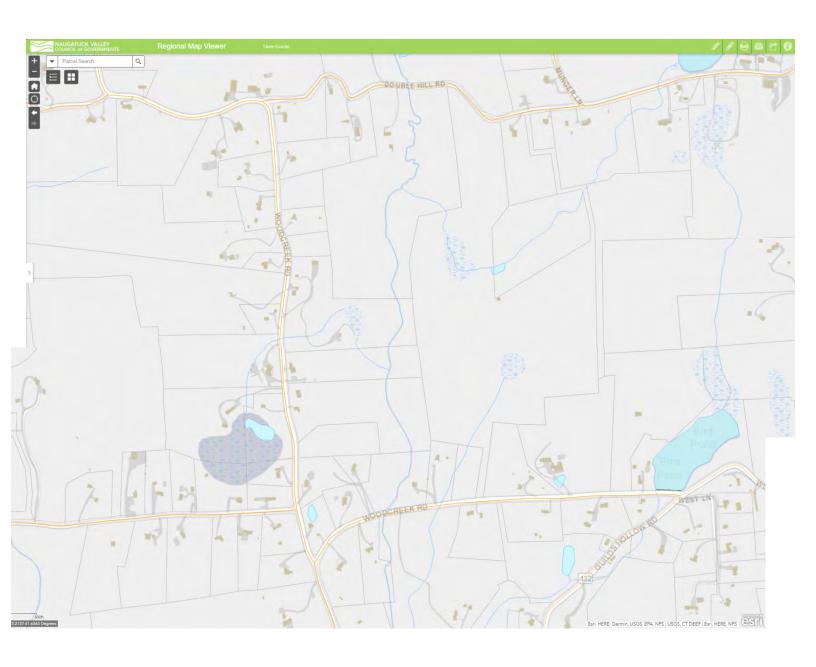
Reach 8 – Wood Creek Road to Double Hill Road

NOTE – Wood Creek Road Bridge is out – active construction zone



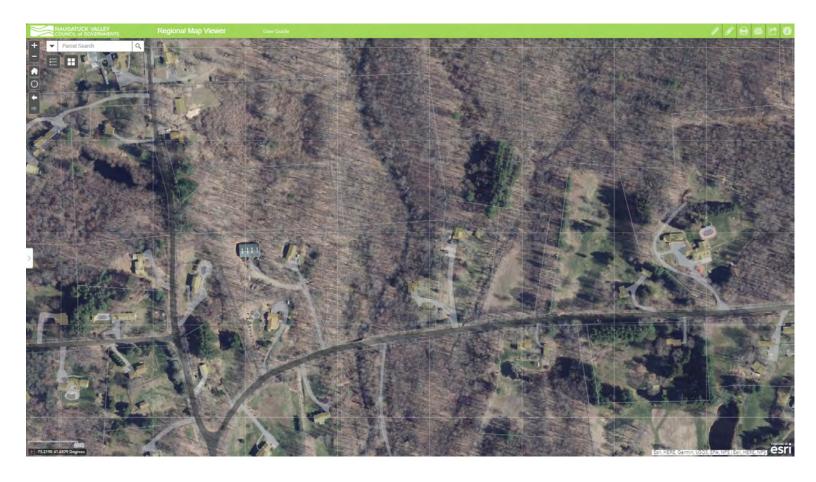
Reach 8 – Wood Creek Road to Double Hill Road

NOTE – Wood Creek Road Bridge is out – active construction zone









SURVEY REACH ID: WTRSHD/SUBSHD: W	DATE: 8/11 ZON ASSESSED BY:
START TIME: 0:12 AM/PM LMK: 78	END TIME: 11:2 AM/PM LMK: 80' GP'S ID:
DESCRIPTION: WOOS Creek Rd	DESCRIPTION: Bewe Swaper DS of
District Color Color Color	Double Hill Rd
RAIN IN LAST 24 HOURS ☐ Heavy rain ☐ Steady rain ☐ None ☐ Intermittent ☐ Trace	PRESENT CONDITIONS ☐ Heavy rain ☐ Steady rain ☐ Intermittent ☐ Clear ☐ Trace ☐ Overcast ☐ Partly cloudy
SURROUNDING LAND USE: Industrial	☐ Clear ☐ Trace ☐ Overcast ☐ Partly cloudy ☐ Urban/Residential ☐ Suburban/Res ☐ Forested ☐ Institutional
☐ Golf course ☐ Park	☐ Crop ☐ Pasture ☐ Other:
AVERAGE CONDITIONS (GRECK appurcable)	Simple planar sketch of survey reach. Track locations and IDs for all site impacts
Base Flow as % □ 0-25% □ 50%-75% Channel Width □ 25-50 % □ 75-100%	within the survey reach (OT, ER, IB,SC, UT, TR, MI) as well as any additional features deemed appropriate. Indicate direction of flow
DOMINANT SUBSTRATE □ Silt/clay (fine or slick)	/MI-02 (18)
WATER CLARITY ☐ Clear ☐ Turbid (suspended matter) ☐ Stained (clear, naturally colored) ☐ Opaque (milky) ☐ Other (chemicals, dyes)	R8'
AQUATIC PLANTS Attached: ☐ none ☐ some ☐ lots IN STREAM Floating: ☐ none ☐ some ☐ lots	
WILDLIFE IN OR (Evidence of) AROUND STREAM Fish Beaver Deer	
Mostly shaded (≥75% coverage) STREAM SHADING ☐ Halfway (≥50%) (water surface) ☐ Partially shaded (≥25%) ☐ Unshaded (<25%)	
CHANNEL DYNAMICS Widening Headcutting Headcutting Aggrading Sed. deposition Bank failure Bank scour Slope failure Channelized	MIOI (RB)
CHANNEL Height: LT bank 12 (ft)	
Good: Open area in public ownership, sufficient room to stockpile materials, easy stream channel access for heavy equipment using existing roads or trails. Fair: Forested or developed area adjacent to stream. Access requires tree removal or impact to landscaped areas. Stockpile areas small or distant from stream. Fair: Forested or developed area sensitive areas to get to stream. Few areas to stockpile available and/or located a great distance from stream. Specialized heavy equipment required.	
NOTES: (biggest problem you see in survey reach) - Beare 4Uhit - Brush file	- Davined back downstream from MI-OZ fund to beavers wamp. Reported to Authorities Yes No

Planned Reach Wood Creek Rd to Dable Hill Rd

	Optimal	Suboptimal	Marginal	Poor	
IN-STREAM HABITAT (May modify criteria based on appropriate habitat regime)	Greater than 70% of substrate favorable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient).	adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lad of habitat is obvious; substrate unstable or lacking.	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
VEGETATIVE PROTECTION (score each bank, determine sides by facing downstream)	More than 90% of the streambank surfaces and immediate riparian zone covered by native vegetation, including trees, understory shrubs, or norwoody macrophytes; vegetative disruption through grazing or mowing minimal or not evident; almost all plants allowed to grow naturally.	70-90% of the streambank surfaces covered by native vegetation, but one class of plants is not well-represented; disruption evident but not affecting full plant growth potential to any great extent; more than one-half of the potential plant stubble height remaining.	50-70% of the streambank surfaces covered by vegetation; disruption obvious; patches of bare soil or closely cropped vegetation common; less than one-half of the potential plant stubble height remaining.	Less than 50% of the streambani surfaces covered by vegetation; disruption of streambank vegetation is very high; vegetation has been removed to 5 centimeters or less in average stubble height.	
	Left Bank 10	8 7 6	5 4 3	2 1 1 1 0 1	
	Right Bank 10 9	8 7 6	5 4 3	2 1 0	
BANK EROSION (facing downstream)	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems.	Grade and width stable; isolated areas of bank failure/erosion; likely caused by a pipe outfail, local scour, impaired riparian vegetation or adjacent use.	Past downcutting evident, active stream widening, banks actively eroding at a moderate rate; no threat to property or infrastructure	Active downcutting; tall banks on both sides of the stream eroding a fast rate; erosion contributing significant amount of sediment to stream; obvious threat to properly or infrastructure.	
•	Left Bank 10	8 7 6	5 4 3	2 1 0	
·	Right Bank 10	8 7 6	5 4 3	2 1 0	
FLOODPLAIN CONNECTION	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) able to enter floodplain. Stream not deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	High flows (greater than bankfull) not able to enter floodplain. Stream deeply entrenched.	
	20 (19) 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3, 2 1 0	
(OVER	ALL BUFFER AND FLOODPLAI	N CONDITION DESIGNATION	greff () (codium incre)	
	Optimal	Suboptimal	Marginal	Poor	
VEGETATED BUFFER WIDTH Width of buffer zone >50 feet, human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, crops) have not impacted zone.		Width of buffer zone 25-50 feet; human activities have impacted zone only minimally.	Width of buffer zone 10-25 feet; human activities have impacted zone a great deal.	Width of buffer zone <10 feet: littl or no riparian vegetation due to human activities.	
ļ	Left Bank 10 9	8 7 6	5 4 3	2 1 0	
	Right Bank 10 (9)	8 7 6	5 4 3	2 1 0	
LOODPLAIN ÆGETATION	Predominant floodplain vegetation type is mature forest	Predominant floodplain vegetation type is young forest	Predominant floodplain vegetation type is shrub or old field	Predominant floodplain vegetation type is turf or crop land	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
LOODPLAIN IABITAT	Even mix of wedland and non-wetland habitats, evidence of standing/ponded water	Even mix of wetland and non-wetland habitats, no evidence of standing/ponded water	Either all wetland or all non- wetland habitat, evidence of standing/ponded water	Either all wetland or all non- wetland habitat, no evidence of standing/ponded water	
	20 19 18 17 6	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	
LOODPLAIN NCROACH- IENT	No evidence of floodplain encroachment in the form of fill material, land development, or manmade structures	Minor floodplain encroachment in the form of fill material, land development, or manmade structures, but not effecting floodplain function	Moderate floodplain encroachment in the form of filling, land development, or manmade structures, some effect on floodplain function	Significant floodplain encroachment (i.e. fill material, land development, or mari-made structures). Significant effect on floodplain function	
	20 9 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0	

64' i		
Wiscel	laneous	ì

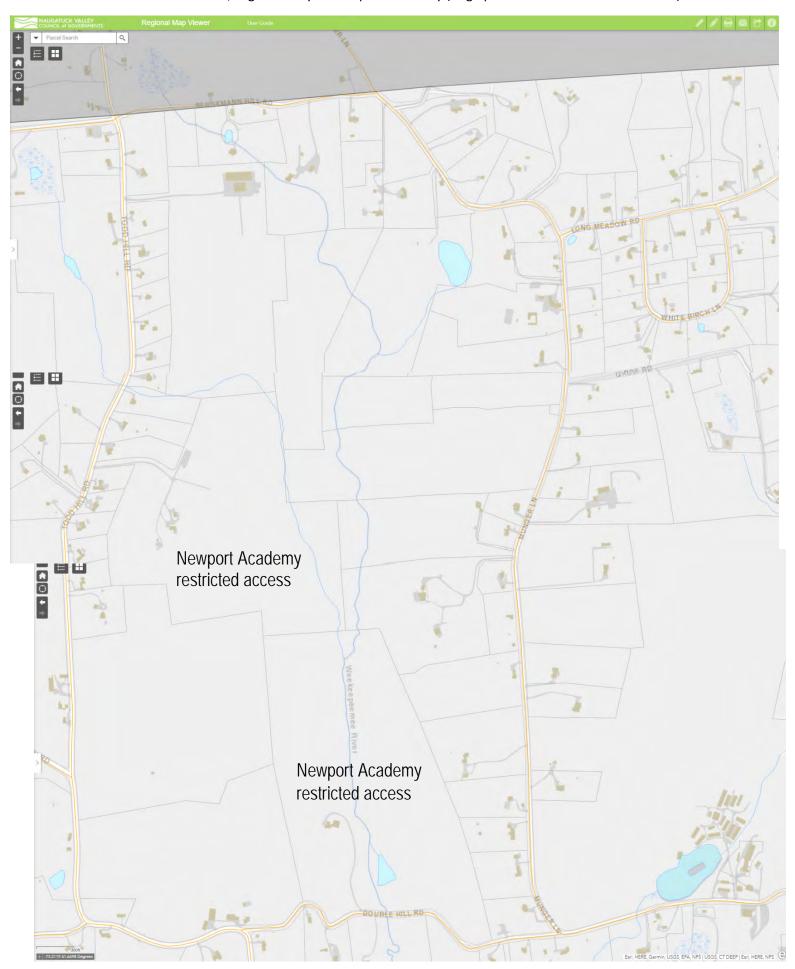
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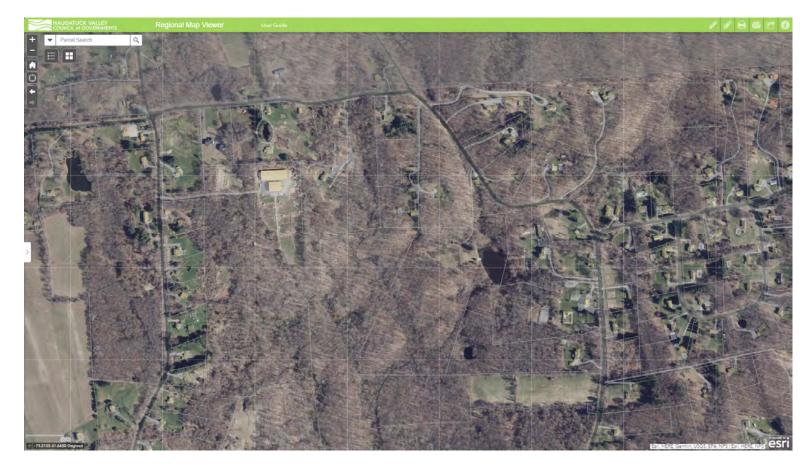
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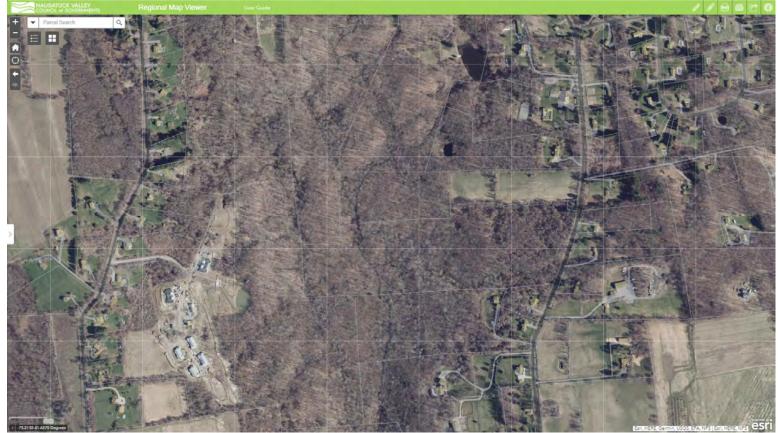
WATERSHED/SUBSHED: WUK		DATE: 1 / 1 / 2021	ASSESSED BY: CIL, PP1.	sk,so
SURVEY REACH ID: 0 8		TIME: <u>U: U</u> AM/PM	Рното ID: (Camera-Pic #)	\ /#
SITE ID: (Condition-#) MI	LAT 410	64'1)85" LONG 730	22 143" LMK: 79	GPS: (Unit ID)
POTENTIAL RESTORATION CANDI		torm water retrofit Stream	restoration Riparian Managem	ent: Remning
по	☐ D			1 it up 510066
DESCRIBE: - Brush 617	e (log	40	timber roak	4
_28 x 25 fe	t, 8	-10 tect high	- 411 00 113 H	back
-0-12 inch	dianel	Vr 109	REPORTED TO LOCAL A	UTHORITIES Yes No
		,		The state of the s
WATERSHED/SUBSHED: WWW		DATE: 2 / 11 / 2021	ASSESSED BY: ((+, PP,	< \(. < \()
SURVEY REACH ID: 08		TIME: 1 : 29 AM/PM	PHOTO ID: (Camera-Pic #)	7 /#
SITE ID: (Condition-#) MI-02	141.			_
SITE ID: (CONDITION-#) INI	LAI_	O [WOD LONG 13]	22 110" LNIK: 00	GIS. (Onli 1D)
POTENTIAL RESTORATION CANDII		orm water retrofit Stream ischarge Prevention Other:	restoration	ent
DESCRIBE: Be GVE/ JO	\ W\\	goisant to hay f	tlf madow	·
- 4-5 fe				
-13-12- G				
2010	<u> </u>	Λ Q N	REPORTED TO LOCAL AU	THORITIES Yes No
WATERSHED/SUBSHED:		DATE:/	ASSESSED BY:	
SURVEY REACH ID:		TIME::AM/PM	Pното ID: (Camera-Pic #)	/#
SITE ID: (Condition-#) MI	LAT°	'" Long°	'" LMK:	GPS: (Unit ID)
POTENTIAL RESTORATION CANDID			restoration	ent
по	☐ Di	ischarge Prevention Other:		
DESCRIBE:				
				<u> </u>
			REPORTED TO LOCAL AU	THORITIES Yes No

Reach 9 – Bergemann Hill Road to Double Hill Road

NOTE – No Access / high security at Newport Academy (large parcel North of Double Hill Road)









WATERSHED:	SUBWATERSHED:	Unique	SITE ID:	
DATE: 7 /30/ 30/2\	ASSESSED BY:	CAMERA	ID:	PIC#:
A. NEIGHBORHOOD CHARAC	CTERIZATION			
Neighborhood/Subdivision Name		1	Neighborhood Area (acr	es)
If unknown, address (or streets) su	BRIGEMONN HILL REN			
Homeowners Association? [Y	N Unknown If yes, name and	contact information:		
Residential (circle average single				
☐ Single Family Attached (Duple Single Family Detached	exes, Row Homes) $< \frac{1}{8} \frac{1}{8} \frac{1}{4} \frac{1}{3}$	1/3 acre Mult	ifamily (Apts, Townhor	nes, Condos)
Estimated Age of Neighborhood:	20-60 years Percent of Homes with		le Home Park 7ith Basements 100 %	DIDEY.
Sewer Service? ☐ Y ☒ N	20 0-years refeelt of Homes with	darages. 10 % w	itii Basements 100 %	INDEX*
7	nd Remodeling No Evidence	<50/a of unite □ 5.10	0/ 🗆 >100/	0
	or each of the following indicators,			0
depending on applica	ability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITION	4110			
B1. % of lot with impervious cove	r	< 5%		
B2. % of lot with grass cover		<30%		0
B3. % of lot with landscaping (e.g	g., mulched bed areas)	< 5%		\Q
B4. % of lot with bare soil		< 190		0
*Note: B1 through B4 mu	ust total 100%			
B5. % of lot with forest canopy		250%		\Q
B6. Evidence of permanent irrigati	on or "non-target" irrigation	no		0
		High:	i +	0
B7. Proportion of total neighborho management status:	ood turf lawns with following	Med:		
management status.		Low;		
B8. Outdoor swimming pools?	Y ☑N ☐ Can't Tell Estimated #			0
B9. Junk or trash in yards?	Y ☑ N ☐ Can't Tell	24/		0
C. DRIVEWAYS, SIDEWALKS,	AND CURBS			
C1. % of driveways that are imper	vious N/A	90%		
C2. Driveway Condition 🖾 Clean	Stained Dirty Breaking			0
	N If yes, are they on one side of s			
*******************************	vered with lawn clippings/leaves	Receiving 'non-target	' irrigation	0
***************************	een the sidewalk and street?ft.			\Q
		væs, chiduens,	Ď 3A	0
	Y N If yes, check all that ap			
Organic matter, leaves,	wing or standing water Long-term	****************	222222222222277 Print V Print	<u> </u>
	potential pollution source; \diamondsuit deno	debris Overhead t	ree canopy	♦

Neighborhood Source Assessment

NSA

ary sewer	1	U						\Q	0
	-12	J.							
	- 4	(à							
	i i	8							
MUAK								- 4	\diamond
nique Site II	from S	SSD sl	neet:						♦
it 1 acre	> 1 acre					١			\rightarrow
	*******			N		******			0
MENDATION	NS								
			: (che	ck all	that	apply)			0
				T			T		1111
		Y □ N Conditionique Site ID from Some achieves for the following to achieve the following to achieve the following the followin							

NOTES: Septic salve risk /pet works potential

WATERSHED;	SUBWATERSHED:	Unique 5	SITE ID:	
DATE: 7 /30/ 202	ASSESSED BY:	CAMERA	ID:	PIC#:
A. NEIGHBORHOOD CHARAC	CTERIZATION			
Neighborhood/Subdivision Name If unknown, address (or streets) s ACOM TO A PA			Veighborhood Area (acr	res)
Residential (circle average single				
Single Family Detached	lexes, Row Homes) $< \frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{3}$ $< \frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ 1 >	Exercise 1	family (Apts, Townhor le Home Park	nes, Condos)
Estimated Age of Neighborhood:	40 Spears Percent of Homes with 0	Garages: 00 % W	ith Basements 100%	INDEX*
Sewer Service? ☐ Y ☒ N				0
Index of Infill, Redevelopment, a	nd Remodeling 🔲 No Evidence 🔲 <	5% of units 🗌 5-10°	% □ >10%	0
depending on applic	for each of the following indicators, cability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDIT		Later Later		
B1. % of lot with impervious cov	er	2 10%		
B2. % of lot with grass cover		< 50°/0		0
B3. % of lot with landscaping (e.	g., mulched bed areas)	£ 50/0		\Q
B4. % of lot with bare soil		L190		0
*Note: B1 through B4 m	ust total 100%	1, 15		
B5. % of lot with forest canopy		2 50%		♦
B6. Evidence of permanent irrigat	tion or "non-target" irrigation	(D		0
		High:		0
B7. Proportion of <i>total neighborh</i> management status:	good turf lawns with following	Med:		
		Low:		
B8. Outdoor swimming pools?	Y N ☐ Can't Tell Estimated#			0
B9. Junk or trash in yards?	Y ☑ N ☐ Can't Tell			0
C. DRIVEWAYS, SIDEWALKS	, AND CURBS			
C1. % of driveways that are impe	ervious N/A	25%		
C2. Driveway Condition X Clea	an Stained Dirty Breaking u	ip gravel		0
	N If yes, are they on one side of st Covered with lawn clippings/leaves		********	0
	veen the sidewalk and street?ft.			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	*************	hicken coop.	"no poop zone"	0
	Y N If yes, check all that app	oly:		
************	owing or standing water Long-term	**************	**********	, o
Organic matter, leave	es, lawn clippings Trash, litter, or o	debris Overhead	tree canopy	\Diamond

^{*} INDEX: O denotes potential pollution source; \diamondsuit denotes a neighborhood restoration opportunity

D. ROOFTOPS	7	1 .					_	+	_
D1. Downspouts are directly connected to storm drains or sa	anitary sewer	10						1	> 0
D2. Downspouts are directed to impervious surface		10						_	
D3. Downspouts discharge to pervious area		- 465							
D4. Downspouts discharge to a cistern, rain barrel, etc.		n	0						
*Note: C1 through C4 should total 100%									
D5. Lawn area present downgradient of leader for rain gard	en? YNN								\Diamond
E. COMMON AREAS									
E1. Storm drain inlets? ☐ Y ☒ N If yes, are they stencile Catch basins inspected? ☐ Y ☐ N If yes, include	le Unique Site ID	from SS	D shee	t:					0
E2. Storm water pond? Y N Is it a wet pond of What is the estimated pond area? < 1 acre 2	about I acre 🔲 🗆	> 1 acre				□N			\Diamond
E3. Open Space? Y N If yes, is pet waste present?	Y N di	umping?	☐ Y						0
Buffers/floodplain present: Y N If yes, is a	encroachment evi	dent?	Υ	N					
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECO	OMMENDATION	is							
Based on field observations, this neighborhood has significand Nutrients Oil and Grease Trash/Litter Bace				check	k all	that ap	oply)		0
 ☐ Onsite retrofit potential? ☐ Better lawn/landscaping practice? ☐ Better management of common space? ☐ Pond retrofit? ☐ Multi-family Parking Lot Retrofit? ☐ Other action(s) 									
Initial Assessment					Tit.	114	TI	11	
NSA Pollution Severity Index Severe (More than 10 circles checked)									
High (5 to 10 circles checked)			-			-	+	-	++
Moderate (Fewer than 5 circles checked)			+				+	-	
☐ None (No circles checked)			-	\vdash			++		
					-	-	++	+	
							++		
☐ High (More than 5 diamonds checked)									
☐ High (More than 5 diamonds checked) ☐ Moderate (3-5 diamonds checked)									
☐ High (More than 5 diamonds checked) ☐ Moderate (3-5 diamonds checked)									
☐ Moderate (3-5 diamonds checked)									
☐ High (More than 5 diamonds checked) ☐ Moderate (3-5 diamonds checked)									

NOTES: SEPTIC PAINTE VISIL

359 19 P

WATERSHED! Co.	SUBWATERSHED: Weekeepeeme	e Unique	SITE ID:	
DATE: 7 /30/ 8084	ASSESSED BY: CHOPP, SK SO			PIC#:
A. NEIGHBORHOOD CHARACTE		- ALVIENA		artis.
Neighborhood/Subdivision Name: If unknown, address (or streets) surve	asson Grove	N	leighborhood Area (acr	es) <u>25</u>
Residential (circle average single fa	N Unknown If yes, name and contamily lot size): es, Row Homes) <1/8 1/8 1/4 1/3 1/3 <1/4 1/4 1/2 1 >1 a	acre Multi		nes, Condos
Estimated Age of Neighborhood:				INDEX:
Sewer Service? ☐ Y ☒ N				0
	Remodeling No Evidence <5%	of units 5-10	% ⊠ >10%	0
	each of the following indicators, lity and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITION	NS			
B1. % of lot with impervious cover		50%		
B2. % of lot with grass cover		40%		0
B3. % of lot with landscaping (e.g.,	mulched bed areas)	5%		♦
B4. % of lot with bare soil		2/6		0
*Note: B1 through B4 must	total 100%			
B5. % of lot with forest canopy		25%		\Diamond
B6. Evidence of permanent irrigation	or "non-target" irrigation	00		0
1.50		High:		0
B7. Proportion of total neighborhood	turf lawns with following	Med:		
management status:		Low:		
B8. Outdoor swimming pools?	N Can't Tell Estimated#			0
	N Can't Tell Small amounts			0
C. DRIVEWAYS, SIDEWALKS, A	/ \			
C1. % of driveways that are impervi				
	Stained Dirty Breaking up			0
	N If yes, are they on one side of street	or along both	n sides 🗌	in min
	ered with lawn clippings/leaves 🔲 Rece			0
What is the distance between	n the sidewalk and street?ft.			\Diamond
Is pet waste present in this a				0
	Y N If yes, check all that apply:			
	ing or standing water Long-term car p		***************	Ň
Organic matter, leaves, l	awn clippings Trash, litter, or debri	is U Overhead	tree canopy	\Diamond

* INDEX: O denotes potential pollution source; \diamondsuit denotes a neighborhood restoration opportunity

D. ROOFTOPS										
D1. Downspouts are directly connected to storm drains or sanitary so	ewer	00							0	
D2. Downspouts are directed to impervious surface		yes	>					T		
D3. Downspouts discharge to pervious area		10	-							
D4. Downspouts discharge to a cistern, rain barrel, etc.		200						1		
*Note: C1 through C4 should total 100%										
D5. Lawn area present downgradient of leader for rain garden?	Y N Y	mot i	nuch						\Diamond	
E. COMMON AREAS										
E1. Storm drain inlets? \(\sum \text{ Y \omega} \text{ N If yes, are they stenciled? } \(\sum \text{ Y \omega} N If yes, include Unique Uniq			*****			Dirty			0	
E2. Storm water pond? YN Is it a wet pond or dry What is the estimated pond area? < lacre about 1 a	pond?	Is it o	vergro	wn?	Y	□N		1	♦	
E3. Open Space? Y N If yes, is pet waste present? Y	N dun	nping'	ΠΥ	XI	90	ayo	poop	2	0	
Butters/noodplain present. 1 1 1 155, is encroach	ment evid	ent?	Y	N						
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMEN								4		
Based on field observations, this neighborhood has significant indicated Nutrients Oil and Grease Trash/Litter Bacteria							ipply)		0	
Onsite retrofit potential? Better lawn/landscaping practice? Better management of common space? Pond retrofit? Multi-family Parking Lot Retrofit? Other action(s)	potent Share Convert Iravel	46	ewe	age d o	yes t	rea	+mer Jays	+	plant	
Initial Assessment					111				TI	

NOTES: estimated 50,50 seasonal and year rand residense. Some pesticide application signs

WATERSHED: WEEKERPIS BLC	SUBWATERSHED:	Unique Sit	E ID:
DATE: 7/36/1021	ASSESSED BY: CH. POST HOSO CAMERA ID);	PIC#:
MAP GRID:	LATY 0 65 1236 " LONG-73"	20 '450"	LMK# 037
A. SITE DATA AND BASIC CLASSIFICATIO			
Name and Address: CONG Maden Por	Category: Commercial Industri Institutional Municip Transport-Related Basic Description of Operation:		se
SIC code (if available): NPDES Status: Regulated Unknown		Summer Law	INDEX
B. VEHICLE OPERATIONS N/A (Skip)	to part C)	Observed	Pollution Source?
B1. Types of vehicles: Fleet vehicles	School buses Other: PUSONAL		
B2. Approximate number of vehicles: <a>_	20		
	: Maintained Repaired Recycled Fueled	Washed Stored	0
B4. Are vehicles stored and/or repaired out Are these vehicles lacking runoff diversion	side? Y N Can't Tell methods? Y N Can't Tell		0
B5. Is there evidence of spills/leakage from	vehicles? Y N Can't Tell		0
B6. Are uncovered outdoor fueling areas pr	resent? Y N Can't Tell		0
B7. Are fueling areas directly connected to	storm drains? Y N Can't Tell		0
B8. Are vehicles washed outdoors? Y Does the area where vehicles are washed di	N Can't Tell ischarge to the storm drain? Y N (Can't Tell	0
C. OUTDOOR MATERIALS N/A (Skip	to part D)	Observed	Pollution Source?
C1. Are loading/unloading operations presently yes, are they uncovered and draining tow		Can't Tell	0
C2. Are materials stored outside? Y Where are they stored? grass/dirt area	N ☐ Can't Tell If yes, are they ☐ Liquid ☐ concrete/asphalt ☐ bermed area	Solid Descripti	on: O
C3. Is the storage area directly or indirectly	connected to storm drain (circle one)? Y	√N ☐ Can't 7	Tell O
C4. Is staining or discoloration around the	area visible? Y Y N Can't Tell		0
C5. Does outdoor storage area lack a cover	? □ Y Ѿ N □ Can't Tell,		0
C6. Are liquid materials stored without seco	ondary containment? Y Y N Can't	Tell	0
C7. Are storage containers missing labels of	or in poor condition (rusting)? TY N	Can't Tell	0
D. WASTE MANAGEMENT N/A (Skip			Pollution Source?
Marine Caramera and Calabatan Grand and Association (Association)	☐ Garbage ☐ Construction materials ☐ Ha		
The state of the s	ply): No cover/Lid is open Damaged/poo		Leaking or O
D3. Is the dumpster located near a storm dra	ain inlet? Y N Can't Tell erms, curbs) lacking? Y N Can't T	Tell	0
E. PHYSICAL PLANT 🖄 N/A (Skip to part	(F)	Observed	Pollution Source?
	yrs. Condition of surfaces: Clean Sarge to storm drains (staining/discoloration)?		

E2. Parking Lot: Approximate age yrs. Condition: _ Clea	an Stained Dirty	Breaking u	p	0
Surface material Paved/Concrete Gravel Permeab E3. Do downspouts discharge to impervious surface? Y	V □ Don't know □ N	one visible		0
Are designated directly connected to storm drains?	I Y N L DOI	t KHOW	DI Con't To	ell O
E4. Evidence of poor cleaning practices for construction activities	(stains leading to storm d	rain)? L Y	N L Cantile	
F. TURF/LANDSCAPING AREAS N/A (skip to part G)			ed Pollution Sou	
F1. % of site with: Forest canopy 45% Turf grass 40 % La	andscaping 10 % Bare	Soil 5 %		0
F2. Rate the turf management status: High Medium	Low			0
F3. Evidence of permanent irrigation or "non-target" irrigation	Y N Can't Tell			0
E4. Do landscaped areas drain to the storm drain system?	Y N Can't Te			0
F5. Do landscape plants accumulate organic matter (leaves, grass clipping	s) on adjacent impervious s	urface? 🗌 Y 🗀	N Can't Te	
G. STORM WATER INFRASTRUCTURE \(\scale=\) N/A (skip to pa	rt H)	Observe	ed Pollution So	urce?
G1. Are storm water treatment practices present? Y	Unknown If yes, please			0
G1. Are storm water treatment practices present:	T I Inknown			0
G2. Are private storm drains located at the facility? Y N [Is trash present in gutters leading to storm drains? If so, c	complete the index below.			0
Is trash present in gutters leading to storm that all the storm and the	for Accumulation in Gutte	ers		
Clean		Filthy		
Sediment 1 2	□3 □4	L	5 □5	
Organic material	\square 3 \square 4 \square 3			
Litter 1 2 G3. Catch basin inspection – Record SSD Unique Site ID here:	Condition:	Dirty Clea		
G3. Catch basin inspection – Record SSD Unique Site ID here.				
H INTELAL HOTSPOT STATUS - INDEX RESULTS			boxes checked)
H. INITIAL HOTSPOT STATUS - INDEX RESULTS	Potential hotspot (5 to)	0 circles but no	boxes checked)) cked)
H. INITIAL HOTSPOT STATUS - INDEX RESULTS Not a hotspot (fewer than 5 circles and no boxes checked) Confirmed hotspot (10 to 15 circles and/or 1 box checked) □	Potential hotspot (5 to)	0 circles but no	boxes checked)	cked)
H. INITIAL HOTSPOT STATUS - INDEX RESULTS Not a hotspot (fewer than 5 circles and no boxes checked) Confirmed hotspot (10 to 15 circles and/or 1 box checked) Follow-up Action:	Potential hotspot (5 to)	0 circles but no	boxes checked) cked)
H. INITIAL HOTSPOT STATUS - INDEX RESULTS Not a hotspot (fewer than 5 circles and no boxes checked) Confirmed hotspot (10 to 15 circles and/or 1 box checked) Follow-up Action: Refer for immediate enforcement Suggest follow-up on-site inspection	Potential hotspot (5 to)	0 circles but no	boxes checked)) cked)
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D. ROOFTOPS						
D1. Downspouts are directly connected to storm drains or sanitary s	ewer no				\Diamond	0
D2. Downspouts are directed to impervious surface	no					
D3. Downspouts discharge to pervious area	yes					
D4. Downspouts discharge to a cistern, rain barrel, etc.	00					
*Note: C1 through C4 should total 100%						
D5. Lawn area present downgradient of leader for rain garden?	Y N UNKNO	CXUS			\Diamond	
E. COMMON AREAS	/	-/				
E1. Storm drain inlets? Y N If yes, are they stenciled? Catch basins inspected? Y N If yes, include Unique			n 🗌 Di	rty	 0	
E2. Storm water pond? YN Is it a wet pond or dry What is the estimated pond area? <1 acre about 1 a	pond? Is it ov	ergrown?	Y 🗆	N	\Q	
E3. Open Space? Y N If yes, is pet waste present? Y	N dumping?	□ Y 🔯	N		0	
Buffers/floodplain present: XY N If yes, is encroach					1115	7,3700
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMEN	DATIONS					
Based on field observations, this neighborhood has significant indicated Nutrients Oil and Grease Trash/Litter Bacteria				t apply)	0	
 ☐ Onsite retrofit potential? ☐ Better lawn/landscaping practice? ☐ Better management of common space? ☐ Pond retrofit? ☐ Multi-family Parking Lot Retrofit? ☐ Other action(s) 						
Initial Assessment						
NSA Pollution Severity Index Severe (More than 10 circles checked) High (5 to 10 circles checked) Moderate (Fewer than 5 circles checked) None (No circles checked) Neighborhood Restoration Opportunity Index						

NOTES: a lot of lawn grass cover on lots, but remove from stream

B. VEHICLE OPERATIONS N/A (Skip to part C) Observed Pollution Source? B1. Types of vehicles: Fleet vehicles School buses Other: B2. Approximate number of vehicles; B3. Vehicle activities (circle all that apply): Maintained Repaired Recycled Fueled Washed Stored B4. Are vehicles stored and/or repaired outside? Y N Can't Tell Are these vehicles lacking runoff diversion methods? Y N Can't Tell B5. Is there evidence of spills/leakage from vehicles? Y N Can't Tell B6. Are uncovered outdoor fueling areas present? Y N Can't Tell B7. Are fueling areas directly connected to storm drains? Y N Can't Tell B8. Are vehicles washed outdoors? Y N Can't Tell C0. OUTDOOR MATERIALS N/A (Skip to part D) Observed Pollution Source? C1. Are loading/unloading operations present? Y N Can't Tell If yes, are they uncovered and draining towards a storm drain inlet? Y N Can't Tell C2. Are materials stored outside? Y N Can't Tell If yes, are they Liquid Solid Description: Where are they stored? grass/dirt area concrete/asphalt bermed area C3. Is the storage area directly or indirectly connected to storm drain (circle one)? Y N Can't Tell	DEX*					
A. SITE DATA AND BASIC CLASSIFICATION Name and Address:	0					
Name and Address:	0					
Institutional Municipal Golf Course Marina Animal Facility	0					
NPDES Status: Regulated Unknown Unregulated Unregulated Unknown Unregulated Unknown Unregulated Unknown Unregulated Unregulated Unknown Unregulated Unregulated Unknown Unregulated Unknown Unregulated Unregulated Unregulated Unkn	0					
B1. Types of vehicles:						
B3. Vehicle activities (circle all that apply): Maintained Repaired Recycled Fueled Washed Stored B4. Are vehicles stored and/or repaired outside?						
B3. Vehicle activities (circle all that apply): Maintained Repaired Recycled Fueled Washed Stored B4. Are vehicles stored and/or repaired outside?						
B4. Are vehicles stored and/or repaired outside?						
Are these vehicles lacking runoff diversion methods?	C					
B6. Are uncovered outdoor fueling areas present?						
B7. Are fueling areas directly connected to storm drains?	0					
B8. Are vehicles washed outdoors?	0					
Does the area where vehicles are washed discharge to the storm drain? \[Y \] N \[Can't Tell \] C. OUTDOOR MATERIALS \[N/A \) (Skip to part D) Observed Pollution Source? C1. Are loading/unloading operations present? \[Y \] N \[Can't Tell \] If yes, are they uncovered and draining towards a storm drain inlet? \[Y \] N \[Can't Tell \] C2. Are materials stored outside? \[Y \] N \[Can't Tell \] If yes, are they \[Liquid \] Solid Description: \[Where are they stored? \[Grass/dirt area \] concrete/asphalt \[bermed area \] C3. Is the storage area directly or indirectly connected to storm drain (circle one)? \[Y \] N \[Can't Tell \]	0					
C1. Are loading/unloading operations present?	0					
If yes, are they uncovered and draining towards a storm drain inlet?						
C2. Are materials stored outside? \[Y \] N \[Can't Tell \] If yes, are they \[Liquid \] Solid Description: \[Where are they stored? \] grass/dirt area \[concrete/asphalt \] bermed area \[C3. Is the storage area directly or indirectly connected to storm drain (circle one)? \[Y \] N \[Can't Tell \]	0					
	0					
	O .					
C4. Is staining or discoloration around the area visible? Y N Can't Tell						
C5. Does outdoor storage area lack a cover? Y N Can't Tell						
C6. Are liquid materials stored without secondary containment? Y N Can't Tell						
C7. Are storage containers missing labels or in poor condition (rusting)? Y N Can't Tell						
D. WASTE MANAGEMENT N/A (Skip to part E) Observed Pollution Sour						
D1. Type of waste (check all that apply): Garbage Construction materials Hazardous materials						
D2. Dumpster condition (<i>check all that apply</i>): ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing						
D3. Is the dumpster located near a storm drain inlet? Y N Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? Y N Can't Tell						
E. PHYSICAL PLANT N/A (Skip to part F) Observed Pollution Source?						
E1. Building: Approximate age: yrs. Condition of surfaces: _ Clean _ Stained _ Dirty _ Damaged Evidence that maintenance results in discharge to storm drains (staining/discoloration)? _ Y _ N _ Don't know	C					

E2. Parking Lot: Approximate age yrs. Condition: _ Cle Surface material _ Paved/Concrete _ Gravel _ Permeat		Breaking up	0			
E3. Do downspouts discharge to impervious surface? Y N Don't know None visible Are downspouts directly connected to storm drains? Y N Don't know						
E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? Y N Can't Tell						
F. TURF/LANDSCAPING AREAS N/A (skip to part G)		Observed Pollution Source	?			
F1. % of site with: Forest canopy % Turf grass % La	indscaping% Bare So		0			
F2. Rate the turf management status: High Medium	Low		0			
F3. Evidence of permanent irrigation or "non-target" irrigation	Y N Can't Tell		0			
F4. Do landscaped areas drain to the storm drain system?	Y N Can't Tell		0			
F5. Do landscape plants accumulate organic matter (leaves, grass clipping	s) on adjacent impervious surfa	ace? YNCan't Tell	0			
G. STORM WATER INFRASTRUCTURE N/A (skip to part	rt H)	Observed Pollution Source	?			
G1. Are storm water treatment practices present?	Unknown If yes, please de	escribe:	0			
G2. Are private storm drains located at the facility? \(\subseteq \text{Y} \subseteq \text{N} \) Is trash present in gutters leading to storm drains? If so, co	Unknown omplete the index below.		0			
	or Accumulation in Gutters					
Clean	7	Filthy				
Sediment □ 1 □ 2 Organic material □ 1 □ 2 Litter □ 1 □ 2	$ \begin{array}{ccc} $	☐ 5 ☐ 5 ☐ 5				
G3. Catch basin inspection – Record SSD Unique Site ID here:	Condition: Di	rty Clean				
H. INITIAL HOTSPOT STATUS - INDEX RESULTS						
☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☐ ☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐						
Follow-up Action:	Severe notspot (>13 cheres	and/or 2 or more boxes encoked)	HE I			
Refer for immediate enforcement			711			
Suggest follow-up on-site inspection Test for illicit discharge						
☐ Include in future education effort						
Check to see if hotspot is an NPDES non-filer						
Onsite non-residential retrofit Pervious area restoration; complete PAA sheet and record						
Unique Site ID here:						
Schedule a review of storm water pollution prevention plan						
Notes: (12) MANC PROMISE CHAIR DOST UNE MANTE),						
Children James of the Cox						
20-100 arminal Turburter outers						
Notes: Chickens, goods, over postured (maybe), SG-100 arminals, impacted buffers, -1101ch 11551/15 over river, property ENGINERES SEE AT RET/Water						
ENGWARD BY AL MAKE						
			HEE			

WATERSHED;	SUBWATERSHED:		UNIQUE SITE	E ID:		
DATE: 7/36/2631	ASSESSED BY: CAMERA ID: PIC#:					
MAP GRID:	MAP GRID: LAT "LONG " " LMK#					
A. SITE DATA AND BASIC CLASSIFI						
Name and Address: Falcon Rio Swilleplemee Rd	Inst	mmercial Industrial itutional Municipa		se		
SIC code (if available):	Basic Description o Alpa(as, goals			INDEX		
B. VEHICLE OPERATIONS N/A	(Skip to part C)		Observed	Pollution Source?		
B1. Types of vehicles: Fleet veh	nicles School buses O	ther:				
B2. Approximate number of vehicles	:					
B3. Vehicle activities (circle all that			Vashed Stored	0		
B4. Are vehicles stored and/or repair Are these vehicles lacking runoff div	ersion methods? Y N	an't Tell Can't Tell		0		
B5. Is there evidence of spills/leakag		Can't Tell		0		
B6. Are uncovered outdoor fueling as	reas present? Y N	Can't Tell		0		
B7. Are fueling areas directly connec		N Can't Tell		0		
B8. Are vehicles washed outdoors? Does the area where vehicles are was	shed discharge to the storm drain'	P N Ca	n't Tell	0		
C. OUTDOOR MATERIALS N/A	1 1 1	management.	Observed	Pollution Source?		
C1. Are loading/unloading operation If yes, are they uncovered and draining		n't Tell □Y □N □Ca	an't Tell	0		
C2. Are materials stored outside? Where are they stored? grass/dirt			Solid Description	on:O		
C3. Is the storage area directly or ind	irectly connected to storm drain ((circle one)? Y	N Can't To	ell O		
C4. Is staining or discoloration aroun	d the area visible? Y N	Can't Tell		0		
C5. Does outdoor storage area lack a	cover? Y N Can'	t Tell		0		
C6. Are liquid materials stored witho	ut secondary containment?	✓ □ N □ Can't Te	:11	0		
C7. Are storage containers missing la	abels or in poor condition (rusting	g)? 🗆 Y 🗆 N 🗆 C	Can't Tell	0		
D. WASTE MANAGEMENT N/A			100	Pollution Source?		
D1. Type of waste (check all that ap	ply): Garbage Construc	tion materials Haza		0		
D2. Dumpster condition (check all th	hat apply): No cover/Lid is op			eaking or O		
	ound) Uverflowing					
D3. Is the dumpster located near a sto If yes, are runoff diversion metho	orm drain inlet? Y N C		II .	0		
evidence of leakage (stains on gr D3. Is the dumpster located near a sto	orm drain inlet? Y N Cods (berms, curbs) lacking? Y			Pollution Source?		

E2. Parking Lot: Approximate age yrs. Condition: Cle Surface material Deved/Concrete Gravel Permeal					irty [Bre	aking	up				(0
E3. Do downspouts discharge to impervious surface? Y N Don't know None visible Are downspouts directly connected to storm drains? Y N Don't know						(О						
E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? Y N Can't Tell						(О						
F. TURF/LANDSCAPING AREAS N/A (skip to part G)				-		To	hser	ved P	olluti	ion S	ource	27	
F1. % of site with: Forest canopy % Turf grass % L	andscap	ing		% B	are So		%		OH CHE				0
	Low								_			-	0
F3. Evidence of permanent irrigation or "non-target" irrigation	Υ□	NΓ	Ca	n't T	ell								0
S. 112. 12. 12. 12. 12. 12. 12. 12. 12. 1		N	-		Tell							(0
F5. Do landscape plants accumulate organic matter (leaves, grass clipping	s) on ad	jacent	imp	erviou	ıs surfa	ce?	Y]N[] C	an't T	[ell		0
G. STORM WATER INFRASTRUCTURE N/A (skip to pa											ource	2	
G1. Are storm water treatment practices present? Y N		wn	If ye	s, ple	ase de	-			041646	OIL O			0
G2. Are private storm drains located at the facility? \(\subseteq Y \subseteq N \) Is trash present in gutters leading to storm drains? If so, c				c belo	ow.							(0
Index Rating f													
Clean							Filthy	_					
Sediment 1 2 Organic material 1 2	☐ 3 ☐ 3				4			☐ 5					
Organic material	\square 3			H	4			\Box_5					
G3. Catch basin inspection – Record SSD Unique Site ID here:		C	ondi	tion:	Di	ty [Cle						
H. INITIAL HOTSPOT STATUS - INDEX RESULTS													
☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☐	Potenti	al ho	tspot	(5 t	o 10 ci	ircles	but no	o box	es che	ecked	1)		
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐	Severe	hotsp	ot (>15 c	ircles	and/or	2 or	more	boxe	s che	cked)		_
Follow-up Action:			1										
Refer for immediate enforcement Suggest follow-up on-site inspection													
☐ Test for illicit discharge	Ш												
Include in future education effort													
☐ Check to see if hotspot is an NPDES non-filer ☐ Onsite non-residential retrofit			4	111							1 -		-
Pervious area restoration; complete PAA sheet and record	-					11							
Unique Site ID here: Schedule a review of storm water pollution prevention plan						11					4		
				10									-
Motes: Horse pasture adjacent to small stocking, good liveshood fencing, no abundance of manure piles, less than 25 unimals (15-25)													-
mand live hade forcing no abundance of	110			1							-	1	+
Scarre piles, less than 25 unimals (14-25)				4		+			4	\vdash	-	-	+
Waller	1	Ш	4	-		++	-	1	+	1	-	\vdash	+
	-	Ш	4	4		1	+	-	-	H	4	\vdash	+
			-	-		-				1		-	+
			+		-41	H	-		+		+	-	+
			1			-	-		-	1			+
		H					#		-		-	-	-
													- 1