

Appendix B

Technical Memorandum – Visual Field Assessments Pomperaug River Watershed Based Plan

MEMORANDUM

TO: Pomperaug River Watershed Coalition

FROM: Erik Mas, P.E, Stefan Bengtson, MSc, William Guenther, MS

DATE: December 1, 2017

RE: **Visual Field Assessments**
Pomperaug Watershed Based Plan

Visual field investigations were performed by the Fuss & O'Neill project team to further assess potential sources of water quality impairments in the Pomperaug River watershed. The field assessments are a screening-level tool for locating potential pollutant sources in a watershed and identifying possible locations where restoration opportunities and mitigation measures could be implemented. This memorandum describes the field assessment methods and findings.

1. Field Assessment Methods

Areas of concern (i.e., potential pollutant sources contributing to water quality impairments in the watershed) were initially identified based on a review of existing data and information including the 2001 State of the Watershed Report, the 2006 Pomperaug Watershed Management Plan, the 2010 Pomperaug River Watershed Streamwalk Summary Report, updated watershed mapping, and recommendations from the PRWC Land use Committee. **Figure 1** shows the initial areas of concern, which are generally located within the Pomperaug River and Weekeepemee River subregional basins – the two primary subwatershed areas associated with the bacterial impairments in the watershed.

The areas to be assessed during the field assessments were selected from this initial list of areas of concern in conjunction with the PRWC Land Use Committee. Final areas selected for field assessments include stream corridors and upland areas that are known or suspected of contributing to the bacterial impairments in the watershed.

A two-person field team conducted field assessments on September 5 and 6, 2017, including reach level stream corridor assessments (i.e., stream walks) in impaired segments and upland source assessments in selected neighborhoods following the Center for Watershed Protection (CWP) Unified Stream Assessment and Unified Subwatershed and Site reconnaissance methods (Kitchell & Schueler, 2005; Wright et al., 2005). The upland assessments included inventories of selected representative residential neighborhoods, streets and storm drainage systems, and land uses with higher potential pollutant loads (i.e., “hotspot” land uses). The field assessment protocols are also documented in the Quality Assurance Project Plan (QAPP) (approved March 27, 2017) for this Section 319-funded project.

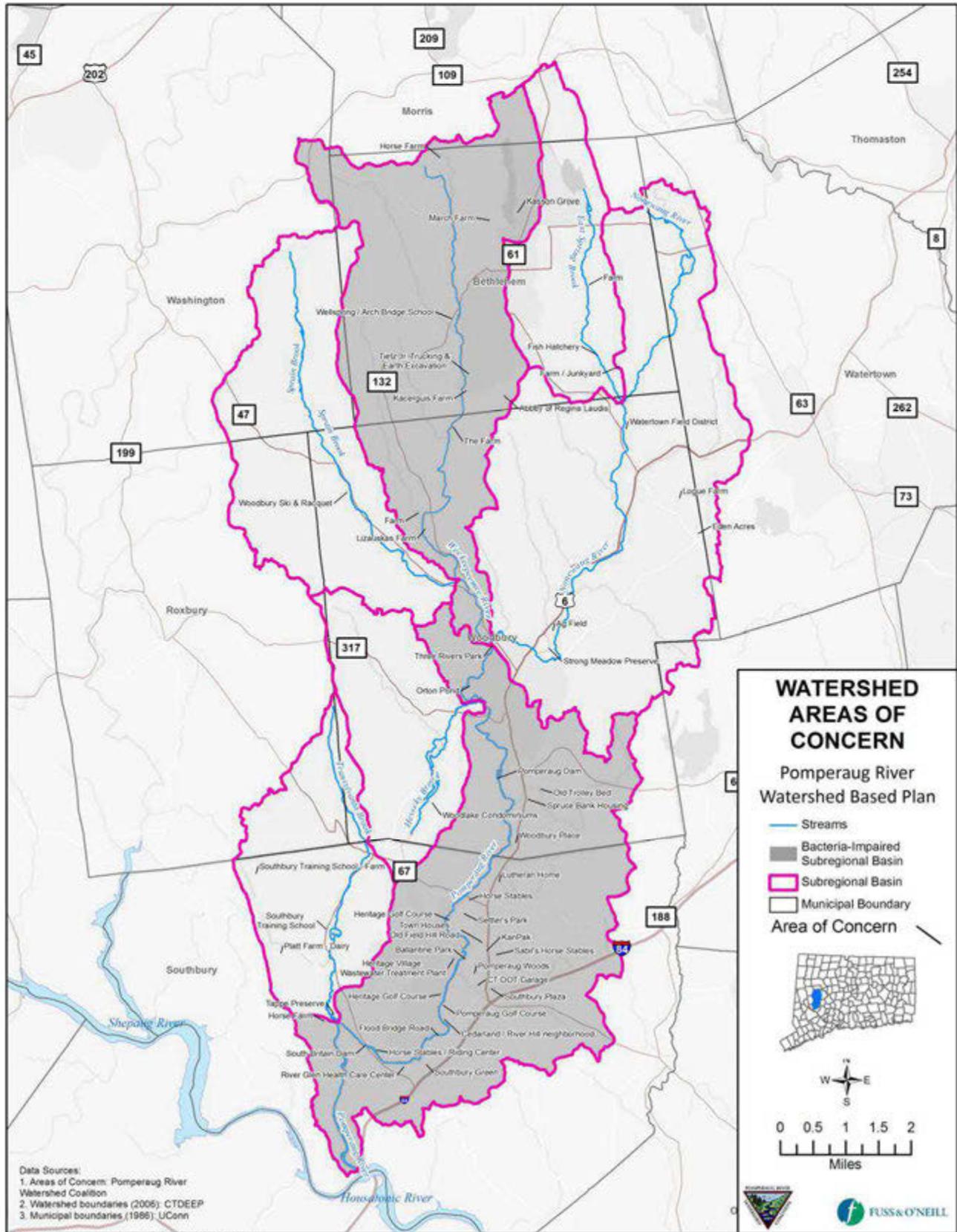


Figure 1: Areas of concern in the Pomperaug River Watershed.

Field personnel visited each location and documented potential sources of bacteria on field forms and through photographs. During each visit, particular note was made of potential structural and non-structural Best Management Practices (BMPs) that could be implemented at a particular site or more broadly throughout the watershed to reduce loadings of bacteria and other pollutants. Completed field assessment forms are provided in *Attachment A*.

2. Summary of Findings

Tables 1, 2, and 3 summarize the field assessment results for each site visited, including possible bacteria sources, potential BMPs, and other preliminary recommendations. Major findings of the field assessments are also summarized below. The field assessment findings will be used to guide the development of recommendations for the Watershed Based Plan.

- **Agricultural Land Use** – Hobby farms, equestrian centers, and more intensive livestock farming practices were frequently observed in the watershed. While some farms maintain animal exclusion fencing to separate livestock from streams, other locations, such as Logue Farms on Artillery Road, Mountain Valley Equestrian Center (**Figure 2**), and Percy Thomson Meadows on Thomson Road all have grazing or feeding areas with apparent channelization or full access to streams and discharges to streams. Exclusion fencing, alternative approaches to manure management, such as moving manure piles further away from streams, and other agricultural BMPs can yield water quality improvements.



Figure 2: View of equestrian center adjacent to the start of reach Pomperaug-01. Runoff from paddock areas appears to channelize in several places and ultimately discharge to both Transylvania Brook and the Pomperaug River.

- Urban Land Use** – Land uses with high impervious cover, typical of more-developed areas of the Pomperaug River subwatershed generate large amounts of stormwater runoff containing fecal indicator bacteria from various sources (pet waste, nuisance wildlife, bacteria attached to sediment inside catch basins, bacteria growth in storm drains, illicit connections, failing septic systems, etc.) (**Figures 3 and 4**). Neighborhoods with houses adjacent to streams, such as Berkshire Estates and Oakdale Manor, Cedarland and River Hill may have homes with failing septic systems and little separation distance from impaired segments of the Pomperaug River. The use of stormwater treatment practices (Low Impact Development or green infrastructure) is limited throughout the watershed, including in areas with significant impervious surfaces such as parking lots and roadways. Roof downspouts were also typically observed to be directed toward impervious surfaces or piped underground and ultimately discharge to storm drainage systems.



Figure 3: Stormwater outfall at Cedarland Park off of River Trail Road.



Figure 4: Stormwater outfall at head of reach Pomperaug-03.

- Lack of Stream Buffer** – Stream buffer encroachments are prevalent along stream corridors in many areas of the Pomperaug River watershed and are most often associated with residential and commercial development and farms. Residential lawns and some agricultural practices extend down to the banks of the stream in many areas (**Figures 5 to 7**).

The high level of stream buffer encroachment along the streams in the Pomperaug River watershed has a significant impact on overall stream and habitat conditions. In general, larger natural buffers are associated with better stream health, including improved water quality by filtering sediment and other runoff pollutants, cooler water temperatures as a result of stream

shading, greater in-stream oxygen levels due to cooler waters, and enhanced habitat for a variety of wildlife resulting from deposited large woody debris and leaf litter.



Figure 5: View of pastures along the Weekepeemee River in Woodbury, CT. The river runs along the tree line, with limited buffer to pasture and feeding areas. Animal fencing appeared well maintained at this location.



Figure 6: House with limited buffer to Pomperaug River encountered during stream walk.

- Low Impact Development (LID) Opportunities** – There are many opportunities for infiltration practices throughout the watershed. Good candidates for LID retrofits include public rights-of-way (**Figure 8**), municipal and commercial parking lots, and parking lots and roads associated with Heritage Village. LID stormwater retrofits work to reduce site runoff and improve water quality through the use of bioretention, water quality swales, buffer strips/level spreaders, and other small-scale LID and green infrastructure approaches. Candidate stormwater retrofit sites exist in virtually all of the assessed subwatersheds but are most prevalent in the Pomperaug River subwatershed.

Although conventional stormwater drainage systems with no treatment capability are prevalent throughout the watershed, there are also several examples of LID stormwater treatment practices in the watershed. One example of LID site design practices was observed in the lower parking lot behind the commercial plaza at 7 Garage Road, which included permeable pavement (**Figure 9**). Pervious pavement has also been used for the parking lot of the New Morning Market in Woodbury. Underground infiltration practices are also located at the new Riverview Cinemas and Playhouse at 690 Main Street South in Southbury and at the Southbury Medical Building.



Figure 7: View from Oakdale Manor looking towards the Pomperaug River depicting areas of limited buffer. Homes in close proximity to the river may also have issues with failing septic systems.



Figure 8: View of Pascoe Drive from the cul-de-sac looking up the hill. Potential opportunity for stormwater BMPs in the cul-de-sac or beneath it.



Figure 9: Example of pervious parking surface behind commercial plaza at 7 Garage Road, Southbury.

Table 1: Stream segment assessment results

Reach	Possible Bacteria Sources	Potential Best Management Practices (BMPs)	Other Recommendations and Notes
Pomperaug-01	Mountain Valley Equestrian Center	<ul style="list-style-type: none"> • Bioretention in drainage ditch adjacent to Audubon Property • Filter berms • Improved buffer around intermittent streams on equestrian property or reconfigured paddocks/runs/training areas 	<ul style="list-style-type: none"> • Conduct additional ambient water quality monitoring at new sampling locations to determine extent of impairment and possible source(s) of bacteria
	Horse Fence Hill Road: Stormwater	<ul style="list-style-type: none"> • Limited potential for BMPs • Road recently repaved, catch basins already stenciled 	
Pomperaug-03	Geese on adjacent golf courses and field of elementary school	<ul style="list-style-type: none"> • Increase vegetated buffer around water hazards and adjacent to streams/river • Implement other waterfowl deterrent strategies 	<ul style="list-style-type: none"> • Golf Course Canada Geese Management strategies • CTDEEP Canada Geese Management Fact Sheet
	Stormwater outfalls	<ul style="list-style-type: none"> • Infiltration in ROW or underground (see also Heritage Village Neighborhood) • River Trail et al.: additional neighborhood assessment. IDDE investigation of drainage discharging at Cedarland Park • Reduce road sanding by municipalities • Septic survey of Branch Rd./Riverhill Rd. neighborhood 	
	Heritage Village Wastewater Treatment Facility (upstream of reach)		<ul style="list-style-type: none"> • Conduct additional ambient water quality monitoring at new sampling locations to determine extent of impairment and possible source(s) of bacteria
	Failing or malfunctioning septic systems. Raw sewage smell noted during stream walk near River Trail		<ul style="list-style-type: none"> • Encourage septic system inspections • Investigate septic smell • Educate homeowners and homebuyers about proper use and maintenance of septic systems
Weekepeemee-01	Run-off from livestock pasture and feeding paddocks at the farms north and south of Chohees Trail	<ul style="list-style-type: none"> • Filter berms along pasture • Increased vegetated buffer 	

Table 2: Neighborhood assessment results

Neighborhood Subwatershed	Possible Bacteria Sources	Potential Best Management Practices (BMPs)	Other Recommendations and Notes
Berkshire Estates <i>Pomperaug</i>	Stormwater	<ul style="list-style-type: none"> Infiltration below roadway, especially cul-de-sac at Pascoe Dr. and Pomperaug Trail and at Pascoe Dr. and Berkshire Rd. intersection 	<ul style="list-style-type: none"> Increase buffer along river More frequent catch basin cleaning
	Failing or malfunctioning septic systems	<ul style="list-style-type: none"> Advanced subsurface sewage disposal systems (sand filter or similar) in riverside lots 	<ul style="list-style-type: none"> Inspect septic systems for failure Ledge/bedrock could be a constraint Educate homeowners and homebuyers about proper use and maintenance of septic systems
Oakdale Manor Road and associated Streets <i>Pomperaug</i>	Stormwater	<ul style="list-style-type: none"> Underground infiltration only, limited ROW space 	<ul style="list-style-type: none"> Septic system inspection and outreach Turf management Grass clippings – outreach or establish collection for disposal
Wellspring/Arch Bridge <i>Weekeepeemee</i>	Failing or malfunctioning septic systems (noted by LUC)		<ul style="list-style-type: none"> Assess septic system size for school buildings If undersized, consider replacement or advanced subsurface sewage disposal systems (e.g. sand filter) Education about proper use and maintenance of septic systems
Heritage Village <i>Pomperaug</i>	Stormwater	<ul style="list-style-type: none"> Underground infiltration in ROW Bioretention cells where feasible Pervious pavement at older parking lots (e.g. Meeting House) needing maintenance 	<ul style="list-style-type: none"> Heritage Village should be included as a priority area in the Town of Southbury's MS4 Stormwater Management Program, including IDDE program implementation Conduct a stormwater BMP retrofit inventory/feasibility study for Heritage Village, which would support Southbury's efforts to reduce and disconnect DCIA as required by the MS4 Permit
	Wastewater treatment plant		<ul style="list-style-type: none"> Conduct further sampling with increased sample spatial density

Table 3: Hotspot assessment results

Hotspot Subwatershed	Possible Bacteria Sources	Potential Best Management Practices (BMPs)	Other Recommendations and Notes
Mountain Valley Equestrian Center <i>Pomperaug and Transylvania Brook</i>	<p>Horse manure in paddocks</p> <p>Two drainage paths: One flows through Audubon old pasture, excellent buffer Other flows out drainage ditch to Transylvania Brook</p>	<ul style="list-style-type: none"> Bioretention in drainage ditch Filter berm at bottom of paddock Move drainage away from the center of paddocks/pasture 	<ul style="list-style-type: none"> Outreach for manure management best practices Connecticut Horse Environmental Awareness Program (HEAP) and Connecticut Horse Farm of Environmental Distinction Program
The Farm – north and south of Chohees Trail <i>Weekeepeemee</i>	<p>Livestock manure in pasture and feed lot</p> <p>Livestock access to intermittent stream Row crops</p>	<ul style="list-style-type: none"> Filter berms along Weekeepeemee Increased buffer width Infiltration BMP on north farm next to road Remove stream access through buffer and/or fencing 	<ul style="list-style-type: none"> Fencing in good repair, encourage maintenance Encourage effective manure application (e.g. not before rain storm)

Hotspot Subwatershed	Possible Bacteria Sources	Potential Best Management Practices (BMPs)	Other Recommendations and Notes
Another Farm – Weekepeemee Road Weekepeemee	Livestock (horses, goats, alpaca) manure	<ul style="list-style-type: none"> Filter berms along intermittent stream Increase buffer width 	<ul style="list-style-type: none"> Fencing in good repair, encourage maintenance Outreach for manure management best practices
Quick Water Farm – Weekepeemee Road and Peter Road Weekepeemee	Livestock (few head); Row crops	<ul style="list-style-type: none"> Filter berms along Carmel Hill Brook Increase buffer width 	<ul style="list-style-type: none"> Encourage effective manure application (e.g. not before rain storm) Outreach for manure management best practices
Parmalee Farm – Guilds Hollow Road Weekepeemee	Livestock grazing and feed lot	<ul style="list-style-type: none"> Filter berm along Dowd Brook 	<ul style="list-style-type: none"> Feeding appears to occur in a local depression, ensure that it does not drain under road
Southbury Plaza – Rt 6 Pomperaug	Stormwater; Waste management	<ul style="list-style-type: none"> Incorporate LID retrofits into site redevelopment Underground infiltration, permeable pavement 	<ul style="list-style-type: none"> Cover dumpsters with roof Review stormwater control plan, if exists Heavily channelized stream Conduct survey for potential illicit discharges from businesses in plaza
Medical Office Building - 10 Main St. South, Southbury Pomperaug	Dry weather discharge requiring further investigation		<ul style="list-style-type: none"> Pavement stained Follow up sampling of dry weather discharge and removal of illicit connections
Stonecrest Farm – Rt 172 Pomperaug	Manure piles; Paddock	<ul style="list-style-type: none"> Move manure piles to alternative site with filter berms or drainage away from Pomperaug Filter berms or increased buffer to pond Move paddock at front barn area to alternative location or make smaller with a buffer strip adjacent to the river Bank stabilization and buffer improvement along river edge Evaluate need for farm pond Move and regrade paddock/training areas to improve buffer 	<ul style="list-style-type: none"> Manure management in place Most paddocks drain away from Pomperaug and toward a pond with algal mats Farm to the north allows access to trib. Add buffer and fencing around stream Outreach for manure management best practices
Berry Farm – Settler's Field and Stables Pomperaug	Manure in open dumpsters	<ul style="list-style-type: none"> Cover dumpsters or ensure drainage away from river 	<ul style="list-style-type: none"> Outreach for manure management best practices
Frazier Farm Training Center – Middle Road Turnpike Nonnewaug	Horse access to tributary stream	<ul style="list-style-type: none"> Filter berms and/or increased buffer in pasture Reconfigure paddocks to avoid stream 	<ul style="list-style-type: none"> Some buffer exists in parts of pasture land Outreach for manure management best practices Connecticut Horse Environmental Awareness Program (HEAP) and Connecticut Horse Farm of Environmental Distinction Program
Logue Farm – Artillery Road Nonnewaug	Livestock access to tributary Incomplete coverage of manure storage	<ul style="list-style-type: none"> Filter berms or fencing and increased buffer around stream to prevent livestock access 	<ul style="list-style-type: none"> Reconfigure manure composting to divert runoff away from catch basins Encourage more complete coverage (e.g. roofing) of manure composting
Percy Thomson Meadows – Thomson Road Weekepeemee	Livestock access to tributary	<ul style="list-style-type: none"> Increased buffer and fencing or filter berms 	
Fox Crossing Equestrian – Rt 61 East Spring Brook	Manure storage	<ul style="list-style-type: none"> Increase buffer to stream 	<ul style="list-style-type: none"> Manure management measures appear to be in place Outreach for manure management best practices Connecticut Horse Environmental Awareness Program (HEAP) and Connecticut Horse Farm of Environmental Distinction Program

3. Potential BMPs

Tables 1, 2, and 3 identify preliminary site-specific recommendations for Best Management Practices (BMPs) to address the bacteria sources that were identified during the field assessments. These preliminary BMP recommendations generally fall into the following categories:

- **Water Quality Monitoring** – The bacteria TMDL indicates impairments based on relatively few sampling stations. While this may be sufficient for identification of an impaired segment, additional water quality monitoring can be effective in tracing the source of the impairment. Particularly in the Weekepeemee River watershed where only one bacteria monitoring station is indicated, increased water quality sampling at a higher spatial resolution should provide the information necessary to identify locations with the highest bacterial loads and help target management strategies. Flow monitoring is also recommended at these locations at the time of sampling to allow direct calculation of bacteria loads (pollutant concentration times flow rate). Pollutant loads, as opposed to concentration data alone, provide greater insight into potential sources since a highly concentrated wastewater discharge that occurs as a continuous “trickle” may have a greater impact on water quality than an intermittent, low-concentration discharge with a higher flow rate.
- **Stormwater Retrofits** – Existing impervious areas such as parking lots and roads may be good candidates for Low Impact Development (LID) or “green stormwater infrastructure” retrofits such as bioretention or underground infiltration, given the relatively permeable nature of the soils in the watershed. Underground infiltration practices located beneath existing parking lots provide stormwater treatment without eliminating parking. Parking availability can be further preserved by retrofitting lots to permeable pavement, similar to plans recently submitted to the Southbury Inland Wetlands Commission for redevelopment of a portion of Southbury Plaza. Practices under roads can be useful where right-of-way space is limited. Where parking and ROW space are not limitations, bioretention cells and wet vegetated treatment systems can also provide stormwater treatment to remove bacteria. Areas with good potential for LID retrofits include along Main Street South in Southbury, the under-utilized parking lot and adjacent depression at the intersection of Heritage Road and Hillhouse Road in Heritage Village, and Southbury Plaza. Regular maintenance of LID/GI practices is critical for these systems to function as designed. Regular maintenance, following written O&M procedures, is particularly important for underground infiltration practices, which can be “out of sight, out of mind.”
- **Downspout Disconnection** – Disconnection of roof downspouts from the storm drainage system by directing roof runoff to pervious areas or LID practices such as rain gardens can reduce runoff volumes and bacteria loads originating from roosting birds. This relatively inexpensive retrofit strategy can be effective in residential and commercial settings.
- **MS4 Program Implementation** – Connecticut’s revised MS4 General Permit went into effect on July 1, 2017. The watershed communities of Southbury and Woodbury are regulated under the MS4 General Permit. Both communities have developed Stormwater Management Plans that outline various activities that each town will conduct to comply with the 6 minimum control measures outlined in the permit. Compliance with the illicit discharge detection and elimination (IDDE) program requirements of the permit can help to significantly reduce

bacteria loadings, where illicit connections are present and particularly where they contribute to the impaired segments of the Pomperaug and Weekepeemee Rivers. Outfall screening for bacteria is required where a MS4 discharges to an impaired water for which bacteria is the pollutant of concern. Other minimum control measures apply to municipal operations, such as reducing road sanding or increasing street sweeping. The permit also requires reduction in Directly Connected Impervious Area (DCIA) through the use of LID practices that retain/infiltrate stormwater runoff from impervious surfaces, either through private or municipal redevelopment projects or retrofits.

- **Manure/Nutrient Management** – Livestock waste in agricultural operations can represent a potent source of bacteria when poorly managed. Often, larger livestock and equestrian operations maintain good manure management. Smaller operations may have fewer resources available for manure management. One key location for improved manure management practices is Stonecrest Farm, where an uncovered manure pile is located in close proximity to the Pomperaug River. Existing site grading at this farm is conducive to implementing improved manure management practices. Reconfiguring the manure management facility at Logue Farm away from existing storm drains may also be useful. In addition, identification of and outreach to 1- to 5-horse equestrian operations throughout the watershed can help assess and reduce their contribution to bacteria loads.

Development and implementation of Comprehensive Nutrient Management Plans (CNMP) by the farming operations in the watershed – e.g., ensuring adequate storage of manure and wastewaters, diverting clean water from production areas, and methods for safe land application of manure and wastewaters – can reduce the potential water quality impacts. Other agricultural BMPs that could be implemented for large and small-scale farming operations include livestock exclusion fencing, cover crops, vegetated buffers/filter strips and filter berms (see below), covering heavy use areas, diverting clean water, and soil health.

- **Filter Berms** – Filter berms provide a relatively inexpensive option for treating agricultural nonpoint source runoff where drainage of pasture, paddocks, or feeding areas is directed toward a stream. Filter berms are nearly identical to more common stormwater filtration practices like sand filters and bioretention. They function by filtering stormwater runoff through soil media where microbial and plant communities can treat the runoff as it passes through the filter. Nearly all assessed farms where livestock are in close proximity to streams are potential candidates for filter berms. Additional funding opportunities may exist for agricultural producers through the Environmental Quality Incentives Program (EQIP) through USDA's Natural Resources Conservation Service.
- **Vegetated Buffers** – Increased vegetated buffer widths are recommended along streams where development or agricultural operations border the waterbody. Riparian buffers slow and absorb runoff, acting as a natural filter in both residential and agricultural settings. Their root structure can also help limit erosion. A properly maintained vegetated buffer can also limit livestock access to streams when used in conjunction with exclusion fencing. As with filter berms, funding from EQIP may be available to agricultural producers to restore vegetative buffers.

- **Septic System Inspection, Maintenance, and Outreach** – Septic system management appears limited in the watershed. Working with the Pomperaug Health District to strengthen inspection and maintenance guidelines, at least of those systems near impaired waterbodies, may help identify and mitigate failing or malfunctioning septic systems, which can be a significant source of bacteria loadings to the impaired stream segments in the watershed. Outreach programs to residents, especially those in close proximity to waterbodies, should encourage best practices in terms of septic system management, inspection, and routine maintenance.
- **Waterfowl Management** – Several golf courses directly border the Pomperaug River. Waterfowl such as Canada geese favor golf courses for feeding. Resident populations of waterfowl have increased in the past half-century. Their wastes are sources of bacteria that can drain directly or indirectly to water bodies. Reducing waterfowl nuisance populations can restore water quality by reducing bacterial and nutrient loadings, particularly in public parks, golf courses, and commercial areas along rivers, streams, and shoreline areas. Many communities also have existing bans on feeding of waterfowl. However, there are no easy solutions to nuisance waterfowl problems. CTDEEP provides some resources for Canada geese management strategies. Hunting is limited in such urban settings, so other strategies, such as egg-oiling may be a practice for further investigation. Creation of a vegetated buffer, consisting of tall grasses, shrubs, or trees, along ponds or streams is a recommended form of habitat modification. Geese prefer to feed on short grass in areas that are open and within sight of a body of water. Tall grasses, shrubs, and trees can serve as a deterrent and cause them to relocate. Vegetated buffers can also reduce NPS pollution.

References

- Kitchell, A and T Schueler. 2004. Unified Stream Assessment: A User's Manual. Center for Watershed Protection. Ellicott City, MD.
- Wright, T, C Swann, K Capiella, and T Schueler. 2004. Unified Subwatershed and Site Reconnaissance: A User's Manual. Center for Watershed Protection. Ellicott City, MD.

Attachment A

Field Assessment Forms



SURVEY REACH ID: <u>1</u>	WTRSHD/SUBSHD: <u>Pomperaug</u>	DATE: <u>2/5/17</u>	ASSESSED BY: <u>SBS BG</u>
START TIME: <u>10:00 AM</u> LMK: _____	END TIME: _____ AM/PM LMK: _____	GPS ID: _____	
LAT _____' _____" LONG _____' _____"	LAT _____' _____" LONG _____' _____"	FLD _____ RI _____	
DESCRIPTION: <u>AUDUBON BENT OF RIVER</u>		DESCRIPTION: <u>SAME</u>	

RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace	PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Partly cloudy
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Golf course <input type="checkbox"/> Park	<input type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input checked="" type="checkbox"/> Other: <u>Protected Land</u>

AVERAGE CONDITIONS (check applicable)	REACH SKETCH AND SITE IMPACT TRACKING
---------------------------------------	---------------------------------------

BASE FLOW AS % <input type="checkbox"/> 0-25% <input checked="" type="checkbox"/> 50%-75%
CHANNEL WIDTH <input type="checkbox"/> 25-50% <input type="checkbox"/> 75-100%

DOMINANT SUBSTRATE	
<input type="checkbox"/> Silt/clay (fine or slick)	<input type="checkbox"/> Cobble (2.5 -10")
<input type="checkbox"/> Sand (gritty)	<input type="checkbox"/> Boulder (>10")
<input checked="" type="checkbox"/> Gravel (0.1-2.5")	<input type="checkbox"/> Bed rock

WATER CLARITY <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid (suspended matter)	
<input type="checkbox"/> Stained (clear, naturally colored)	<input type="checkbox"/> Opaque (milky)
<input type="checkbox"/> Other (chemicals, dyes)	

AQUATIC PLANTS IN STREAM	Attached: <input checked="" type="checkbox"/> none <input type="checkbox"/> some <input type="checkbox"/> lots
	Floating: <input checked="" type="checkbox"/> none <input type="checkbox"/> some <input type="checkbox"/> lots

WILDLIFE IN OR AROUND STREAM	(Evidence of)
	<input checked="" type="checkbox"/> Fish <input type="checkbox"/> Beaver <input type="checkbox"/> Deer <input type="checkbox"/> Snails <input type="checkbox"/> Other:

STREAM SHADING (water surface)	<input checked="" type="checkbox"/> Mostly shaded ($\geq 75\%$ coverage)
	<input type="checkbox"/> Halfway ($\geq 50\%$)
	<input type="checkbox"/> Partially shaded ($\geq 25\%$)
	<input type="checkbox"/> Unshaded ($< 25\%$)

CHANNEL DYNAMICS	<input type="checkbox"/> Downcutting	<input type="checkbox"/> Bed scour
	<input type="checkbox"/> Widening	<input type="checkbox"/> Bank failure
	<input type="checkbox"/> Headcutting	<input checked="" type="checkbox"/> Bank scour
	<input type="checkbox"/> Aggrading	<input type="checkbox"/> Slope failure
	<input type="checkbox"/> Sed. deposition	<input type="checkbox"/> Channelized
	<input type="checkbox"/> Unknown	

CHANNEL DIMENSIONS (FACING DOWNSTREAM)	Height: LT bank _____ (ft)
	RT bank _____ (ft)
	Width: Bottom _____ (ft)
	Top _____ (ft)

REACH ACCESSIBILITY		
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.	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. Specialized heavy equipment required.
(5)	4	3
	2	1

Simple planar sketch of survey reach. Track locations and IDs for all site impacts within the survey reach (OT, ER, IB, SC, UT, TR, MI) as well as any additional features deemed appropriate. Indicate direction of flow

River examined from bank, along Audubon Society Trail.

Many ripples, protected land on both banks to neighborhoods assessed @ mouth of Pomperaug

Horse Fence Hill Rd Neighborhood 2 outfalls fl storm drain network at top of hill discharge to impaired segment stencils on ~~the~~ catch basins.

NOTES: (biggest problem you see in survey reach)

Mountain Valley Equestrian Hotspot outfalls

REPORTED TO AUTHORITIES YES NO

OVERALL STREAM CONDITION																					
		Optimal					Suboptimal					Marginal					Poor				
IN-STREAM HABITAT <i>(May modify criteria based on appropriate habitat regime)</i>	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 <u>not</u> new fall and <u>not</u> transient).																				
	20 19 18 17 16					15 14 13 12 11					10 9 8 7 6					5 4 3 2 1 0					
VEGETATIVE PROTECTION <i>(score each bank, determine sides by facing downstream)</i>	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.																				
	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 <i>(facing downstream)</i>	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems. <5% of bank affected.																				
	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.																				
	20 19 18 17 16					15 14 13 12 11					10 9 8 7 6					5 4 3 2 1 0					

OVERALL BUFFER AND FLOODPLAIN 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.																				
	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																				
	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																				
	20 19 18 17 16					15 14 13 12 11					10 9 8 7 6					5 4 3 2 1 0					
FLOODPLAIN ENCROACHMENT	No evidence of floodplain encroachment in the form of fill material, land development, or manmade structures																				
	20 19 18 17 16					15 14 13 12 11					10 9 8 7 6					5 4 3 2 1 0					

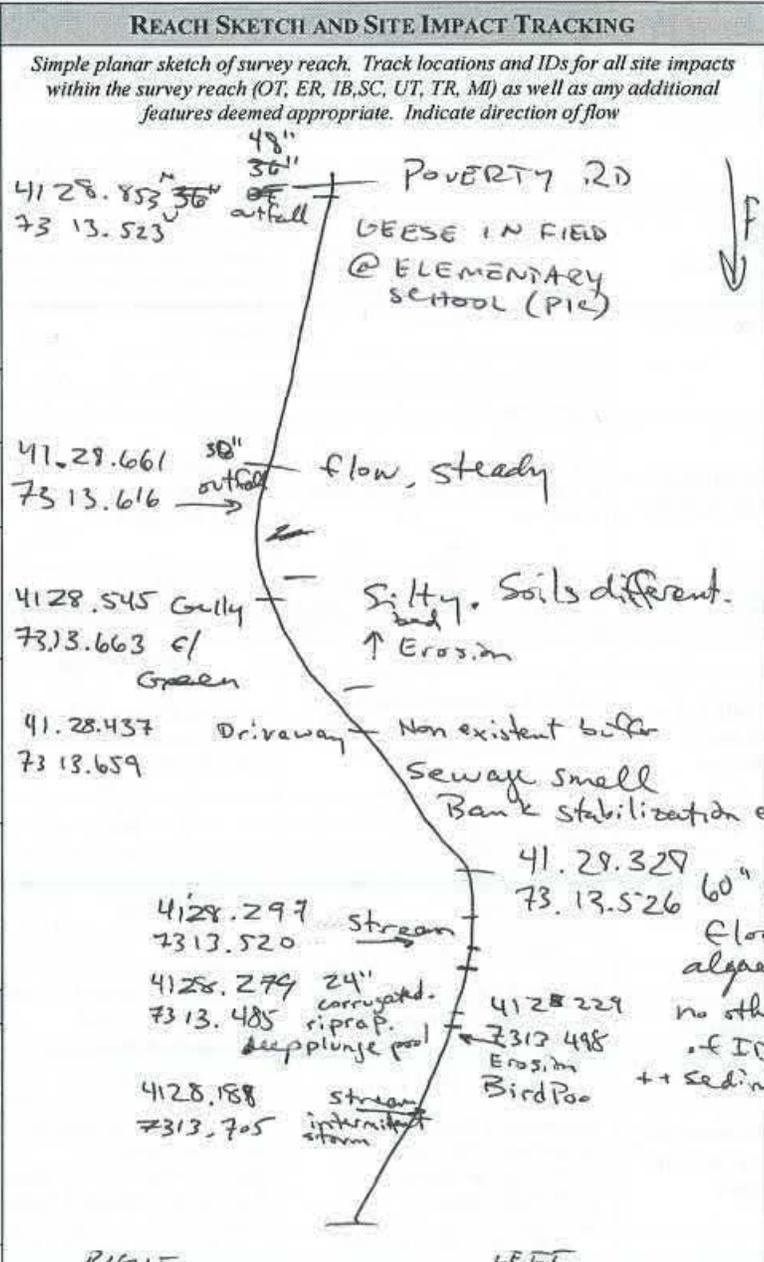
Sub Total In-stream: $\frac{60}{62}$ /80 + Buffer/Floodplain: $\frac{59}{62}$ /80 = Total Survey Reach $\frac{119}{124}$ /160



SURVEY REACH ID: <u>2</u>		WTRSHD/SUBSHD: <u>Pump Upper</u>		DATE: <u>09/05/17</u>		ASSESSED BY: <u>SB RG</u>	
START TIME: <u>12:52 AM (PM)</u> LMK: _____		END TIME: _____ AM/PM LMK: _____		GPS ID:		FLD	
LAT <u>41° 28' 45.3"</u> LONG <u>73° 13' 52.3"</u>		LAT _____ LONG _____		DESCRIPTION: <u>FLOOD BRIDGE RD</u>		RI	
DESCRIPTION: <u>POVERTY RD BRIDGE</u>				DESCRIPTION: <u>FLOOD BRIDGE RD</u>			

RAIN IN LAST 24 HOURS	<input type="checkbox"/> Heavy rain	<input type="checkbox"/> Steady rain	PRESENT CONDITIONS	<input type="checkbox"/> Heavy rain	<input type="checkbox"/> Steady rain	<input type="checkbox"/> Intermittent
	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Intermittent	<input type="checkbox"/> Clear	<input type="checkbox"/> Trace	<input type="checkbox"/> Overcast	<input checked="" type="checkbox"/> Partly cloudy
SURROUNDING LAND USE:	<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Urban/Residential	<input checked="" type="checkbox"/> Suburban/Res	<input checked="" type="checkbox"/> Forested	<input type="checkbox"/> Institutional
	<input checked="" type="checkbox"/> Golf course	<input type="checkbox"/> Park	<input type="checkbox"/> Crop	<input type="checkbox"/> Pasture	<input type="checkbox"/> Other:	

AVERAGE CONDITIONS (check applicable)	
BASE FLOW AS %	<input type="checkbox"/> 0-25% <input type="checkbox"/> 50%-75%
CHANNEL WIDTH	<input type="checkbox"/> 25-50% <input type="checkbox"/> 75-100%
DOMINANT SUBSTRATE	
<input type="checkbox"/> Silt/clay (fine or slick)	<input checked="" type="checkbox"/> Cobble (2.5-10")
<input checked="" type="checkbox"/> Sand (gritty)	<input checked="" type="checkbox"/> Boulder (>10")
<input type="checkbox"/> Gravel (0.1-2.5")	<input type="checkbox"/> Bed rock
WATER CLARITY	
<input type="checkbox"/> Clear	<input type="checkbox"/> Turbid (suspended matter)
<input checked="" type="checkbox"/> Stained (clear, naturally colored)	<input type="checkbox"/> Opaque (milky)
<input type="checkbox"/> Other (chemicals, dyes)	
AQUATIC PLANTS IN STREAM	Attached: <input type="checkbox"/> none <input checked="" type="checkbox"/> some <input type="checkbox"/> lots
	Floating: <input checked="" type="checkbox"/> none <input type="checkbox"/> some <input type="checkbox"/> lots
WILDLIFE IN OR AROUND STREAM	(Evidence of)
	<input checked="" type="checkbox"/> Fish <input type="checkbox"/> Beaver <input type="checkbox"/> Deer
	<input type="checkbox"/> Snails <input checked="" type="checkbox"/> Other: <u>Hawk Duck</u>
STREAM SHADING (water surface)	<input checked="" type="checkbox"/> Mostly shaded (≥75% coverage)
	<input type="checkbox"/> Halfway (≥50%)
	<input type="checkbox"/> Partially shaded (≥25%)
	<input type="checkbox"/> Unshaded (<25%)
CHANNEL DYNAMICS	<input type="checkbox"/> Downcutting <input checked="" type="checkbox"/> Bed scour
	<input type="checkbox"/> Widening <input type="checkbox"/> Bank failure
	<input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour
<input type="checkbox"/> Unknown	<input type="checkbox"/> Aggrading <input type="checkbox"/> Slope failure
	<input checked="" type="checkbox"/> Sed. deposition <input type="checkbox"/> Channelized
CHANNEL DIMENSIONS (FACING DOWNSTREAM)	Height: LT bank <u>>12</u> (ft)
	RT bank <u>>12</u> (ft)
	Width: Bottom _____ (ft)
	Top _____ (ft)
REACH ACCESSIBILITY	
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.
	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. Specialized heavy equipment required.
5	4
3	2
1	



NOTES: (biggest problem you see in survey reach)

underside mynt golf course
lots of sand. stormwater mynt in tributary + direct stormwater discharge. Septic smell

REPORTED TO AUTHORITIES YES NO

OVERALL STREAM CONDITION																				
	Optimal					Suboptimal					Marginal					Poor				
IN-STREAM HABITAT <i>(May modify criteria based on appropriate habitat regime)</i>	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 <u>not</u> new fall and <u>not</u> 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
VEGETATIVE PROTECTION <i>(score each bank, determine sides by facing downstream)</i>	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 <i>(facing downstream)</i>	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.				
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

OVERALL BUFFER AND FLOODPLAIN 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
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
FLOODPLAIN ENCROACHMENT	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				
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

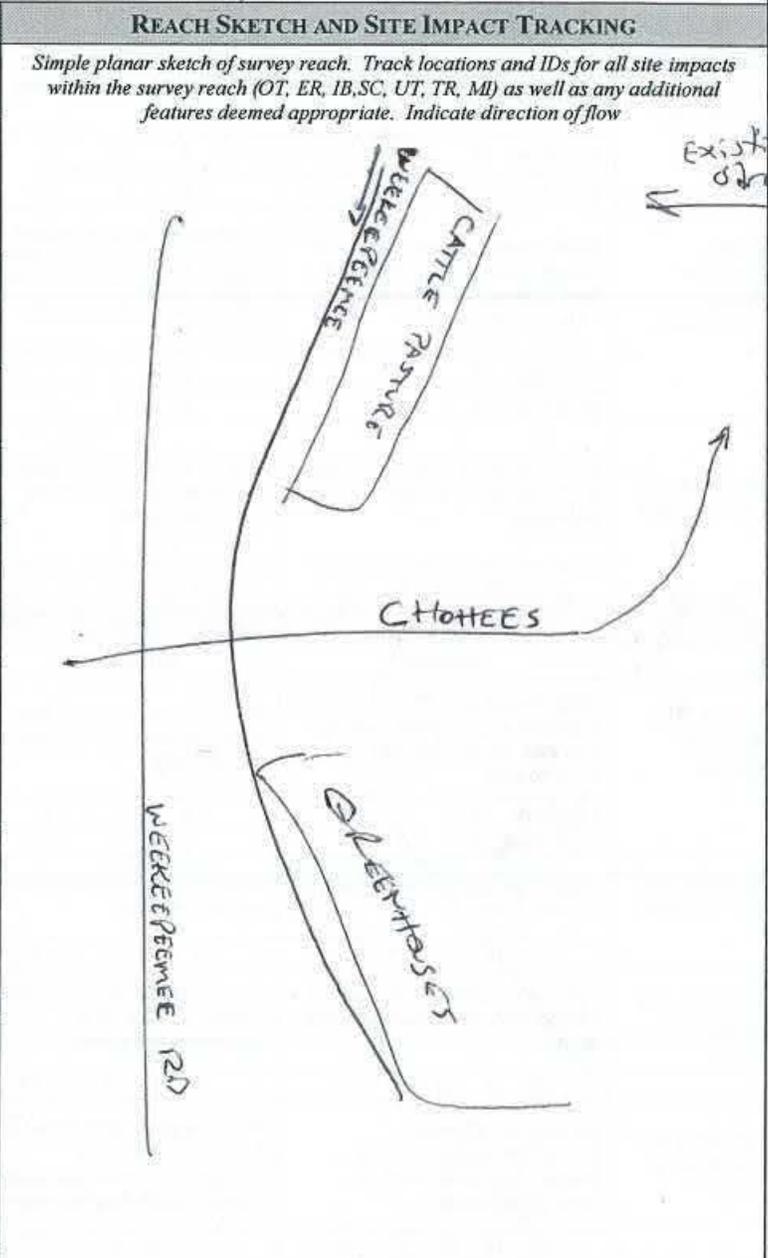
Sub Total In-stream: 48 /80 + Buffer/Floodplain: 35 /80 = Total Survey Reach 83 /160



SURVEY REACH ID: <u>3</u>	WTRSHD/SUBSHD: <u>WEEKEEPEEMEE</u>	DATE: <u>9/5/17</u>	ASSESSED BY: <u>SB PG</u>
START TIME: _____ AM/PM LMK: _____	END TIME: _____ AM/PM LMK: _____	GPS ID: _____	
LAT ° ' " LONG ° ' "	LAT ° ' " LONG ° ' "		
DESCRIPTION: <u>CHOHEES TR,</u>		DESCRIPTION:	

RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace	PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Golf course <input type="checkbox"/> Park	<input type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Crop <input checked="" type="checkbox"/> Pasture <input type="checkbox"/> Other:

AVERAGE CONDITIONS (check applicable)
BASE FLOW AS % <input type="checkbox"/> 0-25% <input type="checkbox"/> 50%-75% CHANNEL WIDTH <input type="checkbox"/> 25-50% <input type="checkbox"/> 75-100%
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input checked="" type="checkbox"/> Cobble (2.5-10") <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Bed rock
WATER CLARITY <input type="checkbox"/> Clear <input type="checkbox"/> Turbid (suspended matter) <input type="checkbox"/> Stained (clear, naturally colored) <input type="checkbox"/> Opaque (milky) <input type="checkbox"/> Other (chemicals, dyes)
AQUATIC PLANTS Attached: <input type="checkbox"/> none <input type="checkbox"/> some <input type="checkbox"/> lots Floating: <input type="checkbox"/> none <input type="checkbox"/> some <input type="checkbox"/> lots
WILDLIFE IN OR AROUND STREAM (Evidence of) <input type="checkbox"/> Fish <input type="checkbox"/> Beaver <input type="checkbox"/> Deer <input type="checkbox"/> Snails <input type="checkbox"/> Other:
STREAM SHADING (water surface) <input checked="" type="checkbox"/> Mostly shaded (≥75% coverage) <input type="checkbox"/> Halfway (≥50%) <input type="checkbox"/> Partially shaded (≥25%) <input type="checkbox"/> Unshaded (<25%)
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Widening <input type="checkbox"/> Headcutting <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition <input type="checkbox"/> Bed scour <input type="checkbox"/> Bank failure <input type="checkbox"/> Bank scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Channelized <input type="checkbox"/> Unknown
CHANNEL DIMENSIONS (FACING DOWNSTREAM) Height: LT bank _____ (ft) RT bank _____ (ft) Width: Bottom _____ (ft) Top _____ (ft)



REACH ACCESSIBILITY		
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.	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. Specialized heavy equipment required.
5	4	3
		2
		1

NOTES: (biggest problem you see in survey reach) Stream walk not completed. Poor streambed access from roadway. Animal exclusion fencing visible from Weekeepemee Rd and appears in good repair. Recommend buffer on farm around existing streams.

REPORTED TO AUTHORITIES YES NO

OVERALL STREAM CONDITION																					
		Optimal					Suboptimal					Marginal					Poor				
IN-STREAM HABITAT <i>(May modify criteria based on appropriate habitat regime)</i>	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 <u>not</u> new fall and <u>not</u> transient).																				
	20 19 18 17 16					15 14 13 12 11					10 9 8 7 6					5 4 3 2 1 0					
VEGETATIVE PROTECTION <i>(score each bank, determine sides by facing downstream)</i>	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.																				
	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 <i>(facing downstream)</i>	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems. <5% of bank affected.																				
	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.																				
	20 19 18 17 16					15 14 13 12 11					10 9 8 7 6					5 4 3 2 1 0					
OVERALL BUFFER AND FLOODPLAIN 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.																				
	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																				
	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																				
	20 19 18 17 16					15 14 13 12 11					10 9 8 7 6					5 4 3 2 1 0					
FLOODPLAIN ENCROACHMENT	No evidence of floodplain encroachment in the form of fill material, land development, or manmade structures																				
	20 19 18 17 16					15 14 13 12 11					10 9 8 7 6					5 4 3 2 1 0					
Sub Total In-stream: _____/80 + Buffer/Floodplain: _____/80 = Total Survey Reach _____/160																					

WATERSHED: <u>Pomperaug</u>	SUBWATERSHED: <u>Lower</u>	UNIQUE SITE ID: 2012 <u>N-01</u>
DATE: <u>09/05/2012</u>	ASSESSED BY: <u>SB BG</u>	CAMERA ID: <u>BILL PHONG</u> PIC#:
A. NEIGHBORHOOD CHARACTERIZATION		
Neighborhood/Subdivision Name: <u>BERKSHIRE ESTATES</u>		Neighborhood Area (acres) _____
If unknown, address (or streets) surveyed: <u>PASCOE TR, POMPERAUG TR</u>		
Homeowners Association? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Unknown If yes, name and contact information: _____		
Residential (circle average single family lot size):		
<input type="checkbox"/> Single Family Attached (Duplexes, Row Homes) $< \frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{3}$ acre <input type="checkbox"/> Multifamily (Apts, Townhomes, Condos) <input checked="" type="checkbox"/> Single Family Detached $< \frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ 1 >1 acre <input type="checkbox"/> Mobile Home Park		
Estimated Age of Neighborhood: <u>70</u> years	Percent of Homes with Garages: <u>75</u> % With Basements _____ %	INDEX*
Sewer Service? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		○
Index of Infill, Redevelopment, and Remodeling <input type="checkbox"/> No Evidence <input type="checkbox"/> <5% of units <input type="checkbox"/> 5-10% <input checked="" type="checkbox"/> >10% <u>20%</u>		○
<i>Record percent observed for each of the following indicators, depending on applicability and/or site complexity</i>		
	Percentage	Comments/Notes
B. YARD AND LAWN CONDITIONS		
B1. % of lot with impervious cover	<u>40-50%</u>	<u>Incl House + Driveway</u>
B2. % of lot with grass cover	<u>50%</u>	○
B3. % of lot with landscaping (e.g., mulched bed areas)		◇
B4. % of lot with bare soil		○
<i>*Note: B1 through B4 must total 100%</i>		
B5. % of lot with forest canopy		◇
B6. Evidence of permanent irrigation or "non-target" irrigation		○
B7. Proportion of total neighborhood turf lawns with following management status:	High: <u>20</u>	○
	Med: <u>40</u>	
	Low: <u>40</u>	
B8. Outdoor swimming pools? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Can't Tell Estimated # _____		○
B9. Junk or trash in yards? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell		○
C. DRIVEWAYS, SIDEWALKS, AND CURBS		
C1. % of driveways that are impervious <input type="checkbox"/> N/A	75 <u>50%</u>	<u>OTHERS COMPACTED GRAVEL</u>
C2. Driveway Condition <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Breaking up		○
C3. Are sidewalks present? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If yes, are they on one side of street <input type="checkbox"/> or along both sides <input type="checkbox"/>		○
<input type="checkbox"/> Spotless <input type="checkbox"/> Covered with lawn clippings/leaves <input type="checkbox"/> Receiving 'non-target' irrigation		○
What is the distance between the sidewalk and street? _____ ft.		◇
Is pet waste present in this area? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A		○
C4. Is curb and gutter present? <input type="checkbox"/> Y <input type="checkbox"/> N If yes, check all that apply: <u>UPPER ELEV</u>		
<input checked="" type="checkbox"/> Clean and Dry <input type="checkbox"/> Flowing or standing water <input type="checkbox"/> Long-term car parking <input checked="" type="checkbox"/> Sediment		○
<input checked="" type="checkbox"/> Organic matter, leaves, lawn clippings <input type="checkbox"/> Trash, litter, or debris <input type="checkbox"/> Overhead tree canopy		◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	FEW		◇ ○
D2. Downspouts are directed to impervious surface			
D3. Downspouts discharge to pervious area	MOST		
D4. Downspouts discharge to a cistern, rain barrel, etc.			
<i>*Note: C1 through C4 should total 100%</i>			
D5. Lawn area present downgradient of leader for rain garden? <input type="checkbox"/> Y <input type="checkbox"/> N			◇
E. COMMON AREAS			
E1. Storm drain inlets? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If yes, are they stenciled? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Condition: <input checked="" type="checkbox"/> Clean <input checked="" type="checkbox"/> Dirty			◇
Catch basins inspected? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If yes, include Unique Site ID from SSD sheet: _____			○
E2. Storm water pond? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Is it a <input type="checkbox"/> wet pond or <input type="checkbox"/> dry pond? Is it overgrown? <input type="checkbox"/> Y <input type="checkbox"/> N What is the estimated pond area? <input type="checkbox"/> <1 acre <input type="checkbox"/> about 1 acre <input type="checkbox"/> > 1 acre			◇
E3. Open Space? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If yes, is pet waste present? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N dumping? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N			○
Buffers/floodplain present: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If yes, is encroachment evident? <input type="checkbox"/> Y <input type="checkbox"/> N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: (check all that apply)			○
<input type="checkbox"/> Nutrients <input type="checkbox"/> Oil and Grease <input type="checkbox"/> Trash/Litter <input checked="" type="checkbox"/> Bacteria <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Other _____			
Recommended Actions <i>Specific Action</i> <input checked="" type="checkbox"/> Onsite retrofit potential? <input checked="" type="checkbox"/> Better lawn/landscaping practice? - leaving buffer of 6" grass for 3-4' along river <input type="checkbox"/> Better management of common space? <input type="checkbox"/> Pond retrofit? <input type="checkbox"/> Multi-family Parking Lot Retrofit? <input type="checkbox"/> Other action(s) _____	Describe Recommended Actions: Inspect Septic Systems for failure, esp. along river Catch Basin Cleanly Parson + Berkshire cul-de-sacs Verify soils, limited utility conflict. Underground infiltration		
Initial Assessment NSA Pollution Severity Index <input type="checkbox"/> Severe (More than 10 circles checked) <input type="checkbox"/> High (5 to 10 circles checked) <input type="checkbox"/> Moderate (Fewer than 5 circles checked) <input type="checkbox"/> None (No circles checked) Neighborhood Restoration Opportunity Index <input type="checkbox"/> High (More than 5 diamonds checked) <input type="checkbox"/> Moderate (3-5 diamonds checked) <input type="checkbox"/> Low (Fewer than 3 diamonds checked)			

NOTES: 87+188 Berkshire Rd Have severe erosion issues to



WATERSHED: <u>Pomperaug</u>	SUBWATERSHED: <u>B Lower</u>	UNIQUE SITE ID: <u>N-02</u>
DATE: <u>09/05/2014</u>	ASSESSED BY: <u>SB BL</u>	CAMERA ID: <u>314 cell</u> PIC#:

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: oakdale dr Neighborhood Area (acres) _____
 If unknown, address (or streets) surveyed: _____

Homeowners Association? Y N Unknown If yes, name and contact information: _____
 Residential (circle average single family lot size): _____
 Single Family Attached (Duplexes, Row Homes) <1/8 1/8 1/4 1/3 1/2 acre Multifamily (Apts, Townhomes, Condos)
 Single Family Detached (<1/4 1/4 1/2 1 >1 acre Mobile Home Park

Estimated Age of Neighborhood: 70 years Percent of Homes with Garages: _____ % With Basements % **INDEX***

Sewer Service? Y N ○

Index of Infill, Redevelopment, and Remodeling No Evidence <5% of units 5-10% >10% ○

<i>Record percent observed for each of the following indicators, depending on applicability and/or site complexity</i>	Percentage	Comments/Notes
--	------------	----------------

B. YARD AND LAWN CONDITIONS

B1. % of lot with impervious cover 50%

B2. % of lot with grass cover 50% ○

B3. % of lot with landscaping (e.g., mulched bed areas) ◇

B4. % of lot with bare soil ○

**Note: B1 through B4 must total 100%*

B5. % of lot with forest canopy ◇

B6. Evidence of permanent irrigation or "non-target" irrigation minimal ○

B7. Proportion of total neighborhood turf lawns with following management status: High: ~~20~~ 10 ○
Med: ~~70~~ 30
Low: ~~40~~ 50 60

B8. Outdoor swimming pools? Y N Can't Tell Estimated # _____ ○

B9. Junk or trash in yards? Y N Can't Tell 5% cars ⊗

C. DRIVEWAYS, SIDEWALKS, AND CURBS

C1. % of driveways that are impervious N/A 50% compacted re-banded 50%

C2. Driveway Condition Clean Stained Dirty Breaking up ○

C3. Are sidewalks present? Y N If yes, are they on one side of street or along both sides
 Spotless Covered with lawn clippings/leaves Receiving 'non-target' irrigation ○

What is the distance between the sidewalk and street? _____ ft. ◇

Is pet waste present in this area? Y N N/A ○

C4. Is curb and gutter present? Y N If yes, check all that apply:

Clean and Dry Flowing or standing water Long-term car parking Sediment ○

Organic matter, leaves, lawn clippings Trash, litter, or debris Overhead tree canopy ◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

WATERSHED: <u>WEEKEEPEEMEG</u>		SUBWATERSHED:		UNIQUE SITE ID: <u>NSA-03</u>	
DATE: <u>9/5/17</u>		ASSESSED BY: <u>SB BG</u>		CAMERA ID:	
				PIC#:	
A. NEIGHBORHOOD CHARACTERIZATION					
Neighborhood/Subdivision Name: <u>WELLSPRING / ARCH BRIDGE</u>				Neighborhood Area (acres) _____	
If unknown, address (or streets) surveyed: _____					
Homeowners Association? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown If yes, name and contact information: _____					
Residential (circle average single family lot size): _____					
<input type="checkbox"/> Single Family Attached (Duplexes, Row Homes)		<1/8 1/8 1/4 1/3 1/2 acre		<input type="checkbox"/> Multifamily (Apts, Townhomes, Condos)	
<input type="checkbox"/> Single Family Detached		<1/4 1/4 1/2 1 >1 acre		<input type="checkbox"/> Mobile Home Park	
Estimated Age of Neighborhood: _____ years		Percent of Homes with Garages: _____ %		With Basements _____ %	
Sewer Service? <input type="checkbox"/> Y <input type="checkbox"/> N					INDEX*
Index of Infill, Redevelopment, and Remodeling <input type="checkbox"/> No Evidence <input type="checkbox"/> <5% of units <input type="checkbox"/> 5-10% <input type="checkbox"/> >10%					○
<i>Record percent observed for each of the following indicators, depending on applicability and/or site complexity</i>			Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS					
B1. % of lot with impervious cover			30%		
B2. % of lot with grass cover			#0 50%	○	
B3. % of lot with landscaping (e.g., mulched bed areas)			12	◇	
B4. % of lot with bare soil				○	
*Note: B1 through B4 must total 100%					
B5. % of lot with forest canopy			15%	◇	
B6. Evidence of permanent irrigation or "non-target" irrigation				○	
B7. Proportion of total neighborhood turf lawns with following management status:			High: <u>20</u>	○	
			Med: <u>60</u>		
			Low: <u>20</u>		
B8. Outdoor swimming pools? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell Estimated # _____				○	
B9. Junk or trash in yards? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Can't Tell				○	
C. DRIVEWAYS, SIDEWALKS, AND CURBS					
C1. % of driveways that are impervious <input type="checkbox"/> N/A			100		
C2. Driveway Condition <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Breaking up				○	
C3. Are sidewalks present? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If yes, are they on one side of street <input type="checkbox"/> or along both sides <input type="checkbox"/>				○	
<input type="checkbox"/> Spotless <input type="checkbox"/> Covered with lawn clippings/leaves <input type="checkbox"/> Receiving 'non-target' irrigation				○	
What is the distance between the sidewalk and street? _____ ft.				◇	
Is pet waste present in this area? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A				○	
C4. Is curb and gutter present? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If yes, check all that apply:				○	
<input type="checkbox"/> Clean and Dry <input type="checkbox"/> Flowing or standing water <input type="checkbox"/> Long-term car parking <input type="checkbox"/> Sediment				○	
<input checked="" type="checkbox"/> Organic matter, leaves, lawn clippings <input type="checkbox"/> Trash, litter, or debris <input checked="" type="checkbox"/> Overhead tree canopy				◇	

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer			◇ ○
D2. Downspouts are directed to impervious surface			
D3. Downspouts discharge to pervious area	100%		
D4. Downspouts discharge to a cistern, rain barrel, etc.			
<i>*Note: C1 through C4 should total 100%.</i>			
D5. Lawn area present downgradient of leader for rain garden? <input type="checkbox"/> Y <input type="checkbox"/> N			◇
E. COMMON AREAS			
E1. Storm drain inlets? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If yes, are they stenciled? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Condition: <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Dirty			◇
Catch basins inspected? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If yes, include Unique Site ID from SSD sheet: _____			○
E2. Storm water pond? <input type="checkbox"/> Y <input type="checkbox"/> N Is it a <input type="checkbox"/> wet pond or <input type="checkbox"/> dry pond? Is it overgrown? <input type="checkbox"/> Y <input type="checkbox"/> N What is the estimated pond area? <input type="checkbox"/> <1 acre <input type="checkbox"/> about 1 acre <input type="checkbox"/> > 1 acre			◇
E3. Open Space? <input type="checkbox"/> Y <input type="checkbox"/> N If yes, is pet waste present? <input type="checkbox"/> Y <input type="checkbox"/> N dumping? <input type="checkbox"/> Y <input type="checkbox"/> N			○
Buffers/floodplain present: <input type="checkbox"/> Y <input type="checkbox"/> N If yes, is encroachment evident? <input type="checkbox"/> Y <input type="checkbox"/> N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: (check all that apply)			○
<input type="checkbox"/> Nutrients <input type="checkbox"/> Oil and Grease <input type="checkbox"/> Trash/Litter <input type="checkbox"/> Bacteria <input type="checkbox"/> Sediment <input type="checkbox"/> Other _____			

Recommended Actions

Specific Action

- Onsite retrofit potential?
- Better lawn/landscaping practice?
- Better management of common space?
- Pond retrofit?
- Multi-family Parking Lot Retrofit?
- Other action(s)

Describe Recommended Actions:

ASSESS SEPTIC SYSTEM SIZE FOR SCHOOL IF IT IS PROBLEM SEPTIC RETROFIT POTENTIAL FOR UPGRADED OR SAND FILTER OR OTHER ADVANCED DWTS

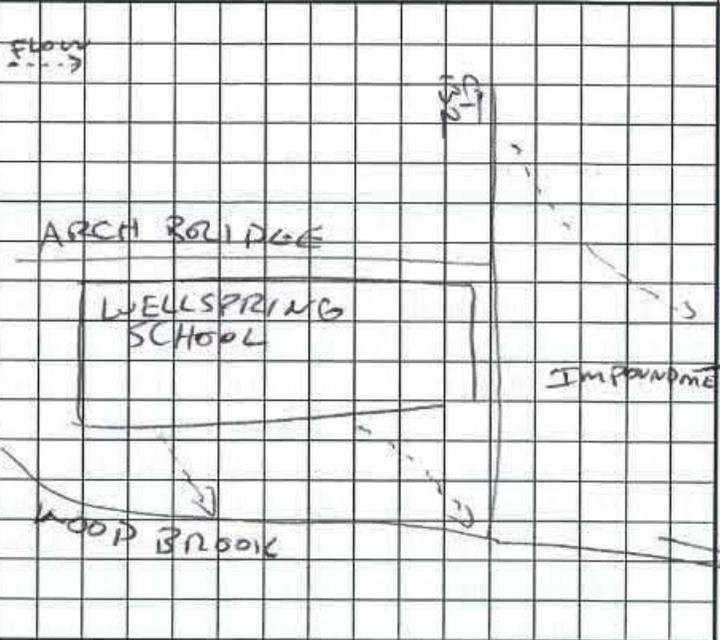
Initial Assessment

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

- High (More than 5 diamonds checked)
- Moderate (3-5 diamonds checked)
- Low (Fewer than 3 diamonds checked)



NOTES: THE NEIGHBORHOOD DESCRIBED AS PROBLEM SEPTIC. RECOMMEND CT 132 CONTINUES S TOWARD A HILL w/ a 9% GRADE

A-4

WATERSHED: <u>POMPERAUG</u>	SUBWATERSHED: <u>VIPER</u>	UNIQUE SITE ID: <u>NSA-01</u>
DATE: <u>09/06/2017</u>	ASSESSED BY: <u>SB BG</u>	CAMERA ID: <u>36 CELL</u> PIC#:
A. NEIGHBORHOOD CHARACTERIZATION		
Neighborhood/Subdivision Name: <u>HERITAGE VILLAGE</u>		Neighborhood Area (acres) _____
If unknown, address (or streets) surveyed: _____		
Homeowners Association? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Unknown If yes, name and contact information: _____		
Residential (circle average single family lot size): _____		
<input checked="" type="checkbox"/> Single Family Attached (Duplexes, Row Homes) <u><1/8</u> 1/8 1/4 1/3 1/2 acre <input checked="" type="checkbox"/> Multifamily (Apts, Townhomes, Condos) <input type="checkbox"/> Single Family Detached <1/4 1/4 1/2 1 >1 acre <input type="checkbox"/> Mobile Home Park		
Estimated Age of Neighborhood: <u>30</u> years	Percent of Homes with Garages: <u>0</u> % With Basements <u>?</u> %	INDEX*
Sewer Service? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ALL PARKING IN COMMUNAL LOTS</u>	○
Index of Infill, Redevelopment, and Remodeling <input checked="" type="checkbox"/> No Evidence <input type="checkbox"/> <5% of units <input type="checkbox"/> 5-10% <input type="checkbox"/> >10%		○
<i>Record percent observed for each of the following indicators, depending on applicability and/or site complexity</i>	Percentage	Comments/Notes
B. YARD AND LAWN CONDITIONS		
B1. % of lot with impervious cover	<u>70%</u>	
B2. % of lot with grass cover	<u>25%</u>	○
B3. % of lot with landscaping (e.g., mulched bed areas)	<u>5</u>	◇
B4. % of lot with bare soil		○
<i>*Note: B1 through B4 must total 100%</i>		
B5. % of lot with forest canopy	<u>0</u>	◇
B6. Evidence of permanent irrigation or "non-target" irrigation		○
B7. Proportion of total neighborhood turf lawns with following management status:	High: <u>100</u>	○
	Med: _____	
	Low: _____	
B8. Outdoor swimming pools? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Estimated # <u>3 communal</u>		○
B9. Junk or trash in yards? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Can't Tell		○
C. DRIVEWAYS, SIDEWALKS, AND CURBS		
C1. % of driveways that are impervious <input type="checkbox"/> N/A	<u>100</u>	<u>parking lots</u>
C2. Driveway Condition <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Breaking up		○
C3. Are sidewalks present? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If yes, are they on one side of street <input type="checkbox"/> or along both sides <input type="checkbox"/>		
<input checked="" type="checkbox"/> Spotless <input type="checkbox"/> Covered with lawn clippings/leaves <input type="checkbox"/> Receiving 'non-target' irrigation		○
What is the distance between the sidewalk and street? <u>3</u> ft.		◇
Is pet waste present in this area? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A		○
C4. Is curb and gutter present? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If yes, check all that apply:		
<input checked="" type="checkbox"/> Clean and Dry <input type="checkbox"/> Flowing or standing water <input type="checkbox"/> Long-term car parking <input type="checkbox"/> Sediment		○
<input type="checkbox"/> Organic matter, leaves, lawn clippings <input type="checkbox"/> Trash, litter, or debris <input type="checkbox"/> Overhead tree canopy		◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

WATERSHED: <u>Pomperaug</u>		SUBWATERSHED: <u>Lower</u>		UNIQUE SITE ID: <u>HSI-01</u>	
DATE: <u>9/16/17</u>		ASSESSED BY: <u>SB/BL</u>		CAMERA ID:	
MAP GRID:		LAT <u>°</u> <u>'</u> <u>"</u> LONG <u>°</u> <u>'</u> <u>"</u>		PIC#:	
MAP GRID:		LAT <u>°</u> <u>'</u> <u>"</u> LONG <u>°</u> <u>'</u> <u>"</u>		LMK #	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>Mountain Valley Equestrian Ctr</u> <u>E. Flat Hill Rd. Southbury</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>Horse training facility</u>			
NPDES Status: <input type="checkbox"/> Regulated <input checked="" type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input checked="" type="checkbox"/> N/A (Skip to part C)				Observed Pollution Source? <input type="checkbox"/>	
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)				Observed Pollution Source? <input type="checkbox"/>	
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid Description: <u>Animal waste</u> Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area ○					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell ○					
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell ○					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell ○					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell ○					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)				Observed Pollution Source? <input type="checkbox"/>	
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials ○					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing ○					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)				Observed Pollution Source? <input type="checkbox"/>	
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged Evidence that maintenance results in discharge to storm drains (staining/dyscoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know ○					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age ____ yrs. Condition: Clean Stained Dirty Breaking up
 Surface material Paved/Concrete Gravel Permeable Don't know ○

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 ____ % Landscaping ____ % Bare Soil ____ % ○

F2. Rate the turf management status: High Medium Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation Y N Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? Y N Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? Y N Can't Tell ○

G. STORM WATER INFRASTRUCTURE N/A (skip to part H) Observed Pollution Source?

G1. Are storm water treatment practices present? Y N Unknown If yes, please describe: _____ ○

G2. Are private storm drains located at the facility? Y N Unknown
 Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters					
	Clean			Filthy	
Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

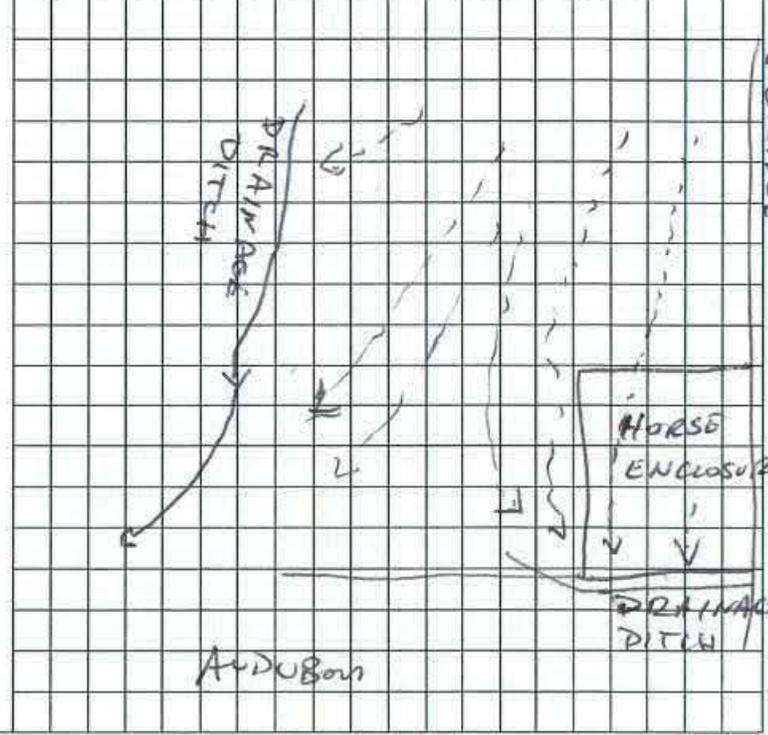
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: Dirty Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

Not a hotspot (fewer than 5 circles and no boxes checked) Potential hotspot (5 to 10 circles but no boxes checked)
 Confirmed hotspot (10 to 15 circles and/or 1 box checked) Severe hotspot (>15 circles and/or 2 or more boxes checked)

- Follow-up Action:**
- Refer for immediate enforcement
 - 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: ~~Unlikely hotspot.~~
 Drainage noted on aerial to south passes through wetland





WATERSHED: <u>WEEKPEEMEE</u>		SUBWATERSHED:		UNIQUE SITE ID: <u>HSI-# 02</u>	
DATE: <u>9/5/17</u>		ASSESSED BY: <u>SB BG</u>		CAMERA ID:	
MAP GRID:		LAT <u> </u> ° <u> </u> ' <u> </u> " LONG <u> </u> ° <u> </u> ' <u> </u> "		PIC#:	
				LMK#	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>THE FARM</u> <u>CHICHEES TR</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>LIVESTOCK OPERATION, POT ACCESS TO STREAM</u>			
NPDES Status: <input type="checkbox"/> Regulated <input checked="" type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input checked="" type="checkbox"/> N/A (Skip to part C)				Observed Pollution Source? <input type="checkbox"/>	
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)				Observed Pollution Source? <input type="checkbox"/>	
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ ○					
Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
D. WASTE MANAGEMENT <input checked="" type="checkbox"/> N/A (Skip to part E)				Observed Pollution Source? <input type="checkbox"/>	
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials ○					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing ○					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
E. PHYSICAL PLANT <input checked="" type="checkbox"/> N/A (Skip to part F)				Observed Pollution Source? <input type="checkbox"/>	
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged ○					
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know ○					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age ____ yrs. Condition: Clean Stained Dirty Breaking up
 Surface material Paved/Concrete Gravel Permeable Don't know

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 ____ % Landscaping ____ % Bare Soil ____ %

F2. Rate the turf management status: High Medium Low

F3. Evidence of permanent irrigation or "non-target" irrigation Y N Can't Tell

F4. Do landscaped areas drain to the storm drain system? Y N Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? Y N Can't Tell

G. STORM WATER INFRASTRUCTURE N/A (skip to part H) Observed Pollution Source?

G1. Are storm water treatment practices present? Y N Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? Y N Unknown
 Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters					
	Clean			Filthy	
Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

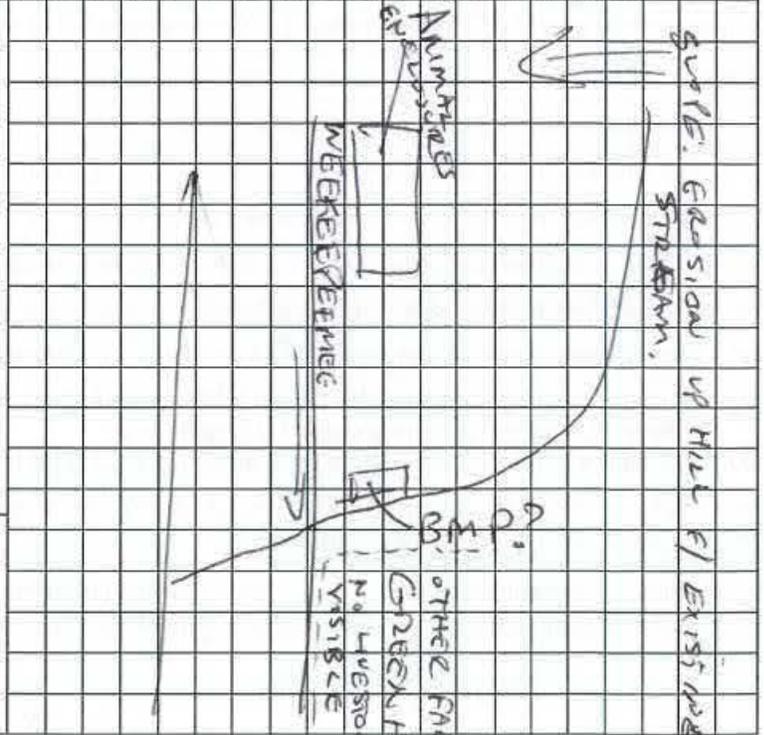
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: Dirty Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

Not a hotspot (fewer than 5 circles and no boxes checked) Potential hotspot (5 to 10 circles but no boxes checked)
 Confirmed hotspot (10 to 15 circles and/or 1 box checked) Severe hotspot (>15 circles and/or 2 or more boxes checked)

- Follow-up Action:**
- Refer for immediate enforcement
 - 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:
 POSSIBLE BUFFER RESTORATION ALONG RIVER. FENCING IN GOOD REPAIR. FILTER BERM POTENTIAL TO PREVENT MANURE RUNOFF. CROP BUFFER IF ROTATIONAL BMP FOR STORMWATER RUNOFF(?) ON THE FARM.



ADD BUFFER AROUND STREAM PASSING THROUGH FARM.

WATERSHED: <u>WEEKEPEEMCE</u>		SUBWATERSHED:		UNIQUE SITE ID: <u>HSI-03</u>	
DATE: <u>9/5/17</u>		ASSESSED BY:		CAMERA ID:	
MAP GRID:		LAT <u>41° 35.126</u> " LONG <u>73° 13.933</u> "		PIC#:	
MAP GRID:		LAT <u>41° 35.126</u> " LONG <u>73° 13.933</u> "		LMK#	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>QUICK WATER</u> <u>FARM, 233 WEEKEPEEMCE RD</u> <u>WOODBURY</u>		Category:		<input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility	
SIC code (if available): _____		Basic Description of Operation:		INDEX*	
NPDES Status: <input type="checkbox"/> Regulated <input checked="" type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		<u>LOW CROPS, LIVESTOCK</u>			
B. VEHICLE OPERATIONS <input checked="" type="checkbox"/> N/A (Skip to part C)				Observed Pollution Source? <input type="checkbox"/>	
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C. OUTDOOR MATERIALS <input checked="" type="checkbox"/> N/A (Skip to part D)				Observed Pollution Source? <input type="checkbox"/>	
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ ○					
Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
D. WASTE MANAGEMENT <input checked="" type="checkbox"/> N/A (Skip to part E)				Observed Pollution Source? <input type="checkbox"/>	
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials ○					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing ○					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)				Observed Pollution Source? <input type="checkbox"/>	
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged ○					
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know ○					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age ____ yrs. Condition: Clean Stained Dirty Breaking up
 Surface material Paved/Concrete Gravel Permeable Don't know ○

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 ____ % Landscaping ____ % Bare Soil ____ % ○

F2. Rate the turf management status: High Medium Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation Y N Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? Y N Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? Y N Can't Tell ○

G. STORM WATER INFRASTRUCTURE N/A (skip to part H) Observed Pollution Source?

G1. Are storm water treatment practices present? Y N Unknown If yes, please describe: _____ ○

G2. Are private storm drains located at the facility? Y N Unknown
 Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters					
	Clean			Filthy	
Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

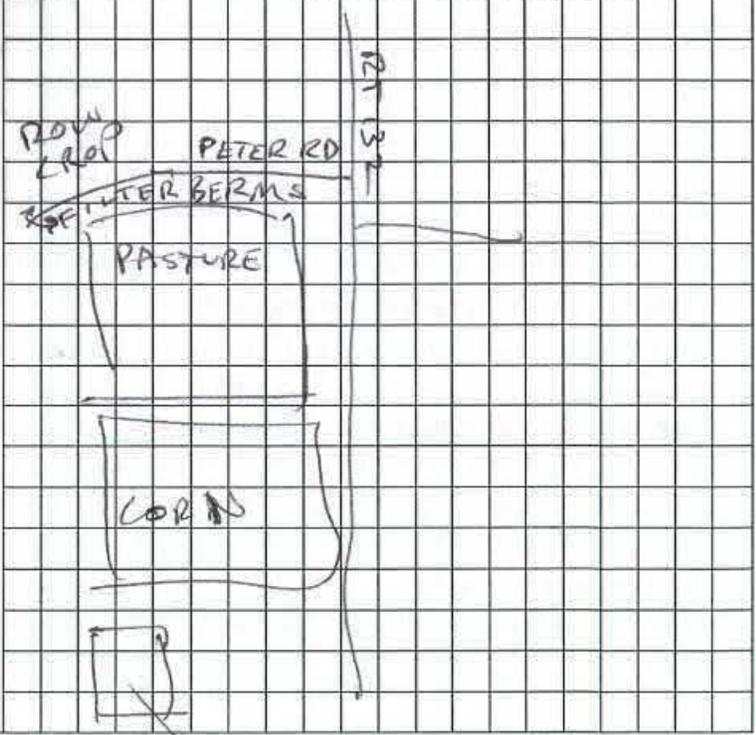
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: Dirty Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

Not a hotspot (fewer than 5 circles and no boxes checked) Potential hotspot (5 to 10 circles but no boxes checked)
 Confirmed hotspot (10 to 15 circles and/or 1 box checked) Severe hotspot (>15 circles and/or 2 or more boxes checked)

- Follow-up Action:**
- Refer for immediate enforcement
 - 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: FILTER BERMS ALONG CARMEL HILL BROOK,
 FILTER BERMS ALONG FOR COWS



COWS FENCED, NO ACCESS TO RIVER



WATERSHED: <u>Port</u>		SUBWATERSHED: <u>URPER</u>		UNIQUE SITE ID: <u>HSI 04</u>	
DATE: <u>9/5/17</u>		ASSESSED BY: <u>SR RG</u>		CAMERA ID:	
MAP GRID:		LAT <u>°</u> <u>'</u> <u>"</u> LONG <u>°</u> <u>'</u> <u>"</u>		PIC#:	
MAP GRID:		LAT <u>°</u> <u>'</u> <u>"</u> LONG <u>°</u> <u>'</u> <u>"</u>		LMK#	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>SOUTHBURY PLAZA</u>		Category: <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: _____			
NPDES Status: <input type="checkbox"/> Regulated <input checked="" type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		<u>RETAIL OPERATIONS, PARKING LOT</u> <u>CHANNELIZED STREAM</u>			
B. VEHICLE OPERATIONS <input type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
If yes, are they uncovered and draining towards a storm drain inlet? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C2. Are materials stored outside? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid Description: _____					
Where are they stored? <input type="checkbox"/> grass/dirt area <input checked="" type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C4. Is staining or discoloration around the area visible? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C5. Does outdoor storage area lack a cover? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Can't Tell					
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input checked="" type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing					
D3. Is the dumpster located near a storm drain inlet? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged					
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Don't know					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 5 yrs. Condition: Clean Stained Dirty Breaking up
 Surface material Paved/Concrete Gravel Permeable Don't know ○

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 ___% Landscaping ___% Bare Soil ___% ○

F2. Rate the turf management status: High Medium Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation Y N Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? Y N Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? Y N Can't Tell ○

G. STORM WATER INFRASTRUCTURE N/A (skip to part H) Observed Pollution Source?

G1. Are storm water treatment practices present? Y N Unknown If yes, please describe: _____ ○

G2. Are private storm drains located at the facility? Y N Unknown
 Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters

	Clean			Filthy		
Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	
Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	
Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: Dirty Clean

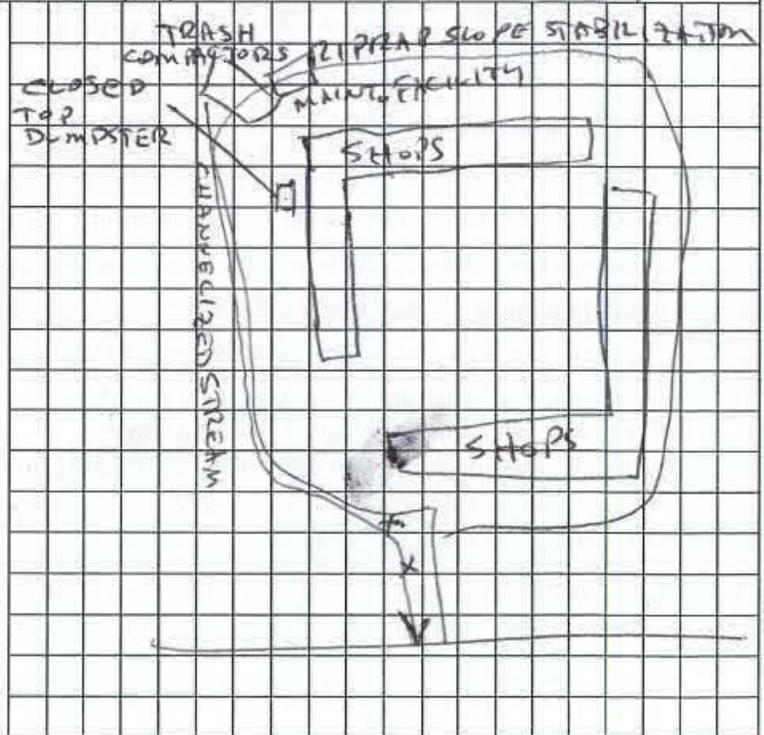
H. INITIAL HOTSPOT STATUS - INDEX RESULTS

Not a hotspot (fewer than 5 circles and no boxes checked) Potential hotspot (5 to 10 circles but no boxes checked)
 Confirmed hotspot (10 to 15 circles and/or 1 box checked) Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:

Refer for immediate enforcement
 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:
 POSSIBLE/LIKELY THAT A STORMWATER CONTROL PLAN EXISTS FOR THIS FACILITY RECOMMEND REVIEW.
 UNDERGROUND INFILTRATION POTENTIAL SOME OUTFALLS EXIST.
 SAND USED FOR WINTER MAINTENANCE STORAGE AREA COVERED



X - OUTFALL

656



WATERSHED: <u>WEEKEEPEEMEE</u>		SUBWATERSHED:		UNIQUE SITE ID: <u>HSI-05</u>	
DATE: <u>9/5/17</u>		ASSESSED BY:		CAMERA ID:	
MAP GRID:		LAT <u>° ' "</u>		LONG <u>° ' "</u>	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>PARMALEE FARM</u> <u>426 GUILDS HOLLOW RD</u> <u>BETHLEHEM</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>LIVESTOCK GRAZING</u>			
NPDES Status: <input type="checkbox"/> Regulated <input checked="" type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input checked="" type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> Other: _____					
B2. Approximate number of vehicles: _____					
B3. Vehicle activities (circle all that apply): Maintained <input type="checkbox"/> Repaired <input type="checkbox"/> Recycled <input type="checkbox"/> Fueled <input type="checkbox"/> Washed <input type="checkbox"/> Stored <input type="checkbox"/>					
B4. Are vehicles stored and/or repaired outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____					
Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged					
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)



WATERSHED: <u>Waakee peeman</u>		SUBWATERSHED:		UNIQUE SITE ID: <u>HSI-06</u>	
DATE: <u>9/5/17</u>		ASSESSED BY: <u>SB BG</u>		CAMERA ID:	
MAP GRID:		LAT ___° ___' ___" LONG ___° ___' ___"		PIC#:	
				LMK#	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>ANOTHER FARM</u> <u>Waakee peeman rd</u> <u>Woodbury</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>EQUESTRIAN + OTHER ANIMALS</u>			
NPDES Status: <input type="checkbox"/> Regulated <input type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials					○
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing					○
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know					○

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)



E2. Parking Lot: Approximate age ____ yrs. Condition: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Breaking up Surface material <input type="checkbox"/> Paved/Concrete <input type="checkbox"/> Gravel <input type="checkbox"/> Permeable <input type="checkbox"/> Don't know	○
E3. Do downspouts discharge to impervious surface? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know <input type="checkbox"/> None visible Are downspouts directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know	○
E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○
F. TURF/LANDSCAPING AREAS <input type="checkbox"/> N/A (skip to part G)	Observed Pollution Source? <input style="width: 50px;" type="text"/>
F1. % of site with: Forest canopy ____ % Turf grass ____ % Landscaping ____ % Bare Soil ____ %	○
F2. Rate the turf management status: <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	○
F3. Evidence of permanent irrigation or "non-target" irrigation <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○
F4. Do landscaped areas drain to the storm drain system? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○
F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○
G. STORM WATER INFRASTRUCTURE <input type="checkbox"/> N/A (skip to part H)	Observed Pollution Source? <input style="width: 50px;" type="text"/>
G1. Are storm water treatment practices present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown If yes, please describe: _____	○
G2. Are private storm drains located at the facility? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown Is trash present in gutters leading to storm drains? If so, complete the index below.	○
Index Rating for Accumulation in Gutters	
	Clean
Sediment	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Organic material	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Litter	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: <input type="checkbox"/> Dirty <input type="checkbox"/> Clean	
H. INITIAL HOTSPOT STATUS - INDEX RESULTS	
<input type="checkbox"/> Not a hotspot (fewer than 5 circles and no boxes checked) <input type="checkbox"/> Potential hotspot (5 to 10 circles but no boxes checked)	
<input type="checkbox"/> Confirmed hotspot (10 to 15 circles and/or 1 box checked) <input type="checkbox"/> Severe hotspot (>15 circles and/or 2 or more boxes checked)	
Follow-up Action: <input type="checkbox"/> Refer for immediate enforcement <input type="checkbox"/> Suggest follow-up on-site inspection <input type="checkbox"/> Test for illicit discharge <input type="checkbox"/> Include in future education effort <input type="checkbox"/> Check to see if hotspot is an NPDES non-filer <input type="checkbox"/> Onsite non-residential retrofit <input type="checkbox"/> Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____ <input type="checkbox"/> Schedule a review of storm water pollution prevention plan	
Notes: GOATS, ALPACAS, MULES, HORSES FILTER BERM TO TRAIL OF WEEBEE MEE	



WATERSHED: <u>POMPERUNG</u>		SUBWATERSHED: <u>UPPER</u>		UNIQUE SITE ID: <u>H5I-07</u>	
DATE: <u>9/5/17</u>		ASSESSED BY: <u>SB BG</u>		CAMERA ID: <u>BILL CELL</u> PIC#:	
MAP GRID:		LAT <u> </u> ° <u> </u> ' <u> </u> "		LONG <u> </u> ° <u> </u> ' <u> </u> " LMK#	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>MEDICAL OFFICE</u> <u>BUILDING 10 MAIN ST S.</u> <u>SOUTH BURY</u>		Category: <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>MEDICAL OFFICES</u>			
NPDES Status: <input type="checkbox"/> Regulated <input checked="" type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input checked="" type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C. OUTDOOR MATERIALS <input checked="" type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ ○ Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
D. WASTE MANAGEMENT <input checked="" type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials ○					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing ○					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input checked="" type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged ○ Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know ○					

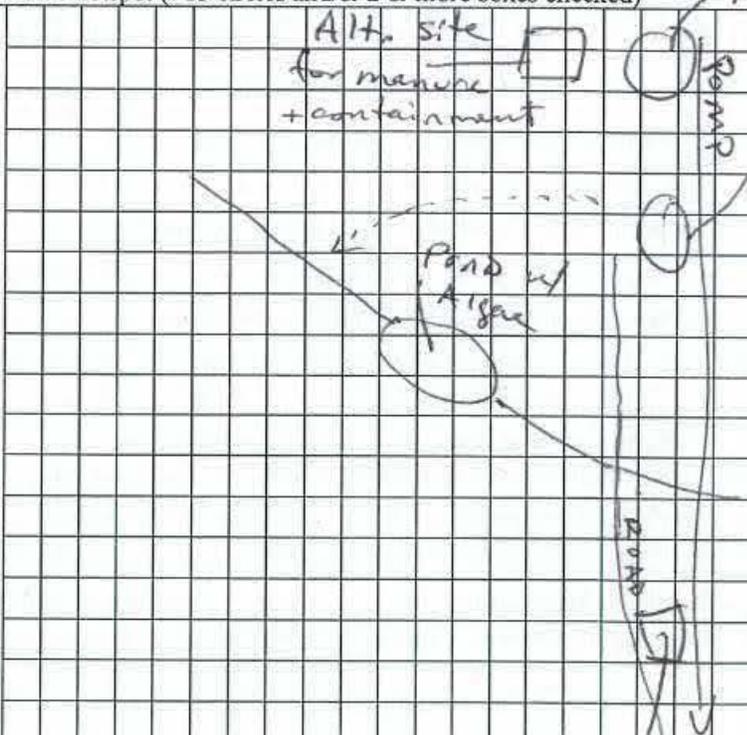
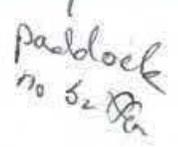
*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age ____ yrs. Condition: <input type="checkbox"/> Clean <input checked="" type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Breaking up Surface material <input checked="" type="checkbox"/> Paved/Concrete <input type="checkbox"/> Gravel <input type="checkbox"/> Permeable <input type="checkbox"/> Don't know	○																								
E3. Do downspouts discharge to impervious surface? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know <input type="checkbox"/> None visible Are downspouts directly connected to storm drains? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know	○																								
E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○																								
F. TURF/LANDSCAPING AREAS <input type="checkbox"/> N/A (skip to part G)	Observed Pollution Source? <input type="text"/>																								
F1. % of site with: Forest canopy ____% Turf grass ____% Landscaping ____% Bare Soil ____%	○																								
F2. Rate the turf management status: <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	○																								
F3. Evidence of permanent irrigation or "non-target" irrigation <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○																								
F4. Do landscaped areas drain to the storm drain system? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○																								
F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Can't Tell	○																								
G. STORM WATER INFRASTRUCTURE <input type="checkbox"/> N/A (skip to part H)	Observed Pollution Source? <input type="text"/>																								
G1. Are storm water treatment practices present? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Unknown If yes, please describe: _____	○																								
G2. Are private storm drains located at the facility? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown Is trash present in gutters leading to storm drains? If so, complete the index below.	○																								
Index Rating for Accumulation in Gutters																									
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;"></td> <td style="width:15%; text-align: center;">Clean</td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%; text-align: center;">Filthy</td> </tr> <tr> <td>Sediment</td> <td style="text-align: center;"><input type="checkbox"/> 1</td> <td style="text-align: center;"><input type="checkbox"/> 2</td> <td style="text-align: center;"><input type="checkbox"/> 3</td> <td style="text-align: center;"><input type="checkbox"/> 4</td> <td style="text-align: center;"><input type="checkbox"/> 5</td> </tr> <tr> <td>Organic material</td> <td style="text-align: center;"><input type="checkbox"/> 1</td> <td style="text-align: center;"><input type="checkbox"/> 2</td> <td style="text-align: center;"><input type="checkbox"/> 3</td> <td style="text-align: center;"><input type="checkbox"/> 4</td> <td style="text-align: center;"><input type="checkbox"/> 5</td> </tr> <tr> <td>Litter</td> <td style="text-align: center;"><input type="checkbox"/> 1</td> <td style="text-align: center;"><input type="checkbox"/> 2</td> <td style="text-align: center;"><input type="checkbox"/> 3</td> <td style="text-align: center;"><input type="checkbox"/> 4</td> <td style="text-align: center;"><input type="checkbox"/> 5</td> </tr> </table>		Clean				Filthy	Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
	Clean				Filthy																				
Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5																				
Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5																				
Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5																				
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: <input type="checkbox"/> Dirty <input type="checkbox"/> Clean																									
H. INITIAL HOTSPOT STATUS - INDEX RESULTS																									
<input type="checkbox"/> Not a hotspot (fewer than 5 circles and no boxes checked)	<input type="checkbox"/> Potential hotspot (5 to 10 circles but no boxes checked)																								
<input type="checkbox"/> Confirmed hotspot (10 to 15 circles and/or 1 box checked)	<input type="checkbox"/> Severe hotspot (>15 circles and/or 2 or more boxes checked)																								
Follow-up Action: <input checked="" type="checkbox"/> Refer for immediate enforcement <input type="checkbox"/> Suggest follow-up on-site inspection <input type="checkbox"/> Test for illicit discharge <input type="checkbox"/> Include in future education effort <input type="checkbox"/> Check to see if hotspot is an NPDES non-filer <input type="checkbox"/> Onsite non-residential retrofit <input type="checkbox"/> Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____ <input type="checkbox"/> Schedule a review of storm water pollution prevention plan																									
Notes: DRY WEATHER DISCHARGE OBSERVED STAINING ON PAVEMENT FROM DISCHARGE; PIPE ALSO STAINED POSSIBLY FROM SUMP																									



WATERSHED: <u>POMPERAUG</u>		SUBWATERSHED: <u>LOWER</u>		UNIQUE SITE ID:	
DATE: <u>9/16/17</u>		ASSESSED BY: <u>SR BG</u>		CAMERA ID:	
MAP GRID:		LAT <u>°</u> <u>'</u> <u>"</u> LONG <u>°</u> <u>'</u> <u>"</u>		LMK #	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>STONECREST</u> <u>EQUESTRIAN</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>HORSE STABLE</u>			
NPDES Status: <input type="checkbox"/> Regulated <input checked="" type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input checked="" type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ ○ Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials ○					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing ○					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged ○ Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know ○					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age _____ yrs. Condition: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Breaking up Surface material <input type="checkbox"/> Paved/Concrete <input type="checkbox"/> Gravel <input type="checkbox"/> Permeable <input type="checkbox"/> Don't know	○
E3. Do downspouts discharge to impervious surface? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know <input type="checkbox"/> None visible Are downspouts directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know	○
E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○
F. TURF/LANDSCAPING AREAS <input type="checkbox"/> N/A (skip to part G)	Observed Pollution Source? <input type="checkbox"/>
F1. % of site with: Forest canopy _____ % Turf grass _____ % Landscaping _____ % Bare Soil _____ %	○
F2. Rate the turf management status: <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	○
F3. Evidence of permanent irrigation or "non-target" irrigation <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○
F4. Do landscaped areas drain to the storm drain system? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○
F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○
G. STORM WATER INFRASTRUCTURE <input type="checkbox"/> N/A (skip to part H)	Observed Pollution Source? <input type="checkbox"/>
G1. Are storm water treatment practices present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown If yes, please describe: _____	○
G2. Are private storm drains located at the facility? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown Is trash present in gutters leading to storm drains? If so, complete the index below.	○
Index Rating for Accumulation in Gutters	
	Clean Filthy
Sediment	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Organic material	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Litter	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: <input type="checkbox"/> Dirty <input type="checkbox"/> Clean	
H. INITIAL HOTSPOT STATUS - INDEX RESULTS	
<input type="checkbox"/> Not a hotspot (fewer than 5 circles and no boxes checked) <input type="checkbox"/> Potential hotspot (5 to 10 circles but no boxes checked) <input type="checkbox"/> Confirmed hotspot (10 to 15 circles and/or 1 box checked) <input type="checkbox"/> Severe hotspot (>15 circles and/or 2 or more boxes checked)	
Follow-up Action: <input type="checkbox"/> Refer for immediate enforcement <input type="checkbox"/> Suggest follow-up on-site inspection <input type="checkbox"/> Test for illicit discharge <input checked="" type="checkbox"/> Include in future education effort <input type="checkbox"/> Check to see if hotspot is an NPDES non-filer <input checked="" type="checkbox"/> Onsite non-residential retrofit <input type="checkbox"/> Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____ <input type="checkbox"/> Schedule a review of storm water pollution prevention plan	Alt. site for manure + containment <input type="checkbox"/> 
Notes: OWNER EAMON SPENCER MANURE PILES Slope away f/ river manure mgmt in place at paddocks	Paddock no 52 



WATERSHED: <u>POMPERAUG</u>		SUBWATERSHED: <u>UPPER</u>		UNIQUE SITE ID:	
DATE: <u>9/6/17</u>		ASSESSED BY: <u>SR BG</u>		CAMERA ID:	
MAP GRID:		LAT <u>° ' "</u>		LONG <u>° ' "</u>	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>BERDY FARM</u> <u>SETTLERS FIELD + STABLES</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>EQUESTRIAN</u>			
NPDES Status: <input type="checkbox"/> Regulated <input checked="" type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input checked="" type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C. OUTDOOR MATERIALS <input checked="" type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○					
D. WASTE MANAGEMENT <input checked="" type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials ○					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing ○					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell ○ If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged ○ Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know ○					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age ____ yrs. Condition: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Breaking up Surface material <input type="checkbox"/> Paved/Concrete <input type="checkbox"/> Gravel <input type="checkbox"/> Permeable <input type="checkbox"/> Don't know	○																								
E3. Do downspouts discharge to impervious surface? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know <input type="checkbox"/> None visible Are downspouts directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know	○																								
E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○																								
F. TURF/LANDSCAPING AREAS <input type="checkbox"/> N/A (skip to part G)	Observed Pollution Source? <input style="width: 50px;" type="text"/>																								
F1. % of site with: Forest canopy ____ % Turf grass ____ % Landscaping ____ % Bare Soil ____ %	○																								
F2. Rate the turf management status: <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	○																								
F3. Evidence of permanent irrigation or "non-target" irrigation <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○																								
F4. Do landscaped areas drain to the storm drain system? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○																								
F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell	○																								
G. STORM WATER INFRASTRUCTURE <input type="checkbox"/> N/A (skip to part H)	Observed Pollution Source? <input style="width: 50px;" type="text"/>																								
G1. Are storm water treatment practices present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown If yes, please describe: _____	○																								
G2. Are private storm drains located at the facility? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown Is trash present in gutters leading to storm drains? If so, complete the index below.	○																								
Index Rating for Accumulation in Gutters																									
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;"></td> <td style="width:15%; text-align: center;">Clean</td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%; text-align: center;">Filthy</td> </tr> <tr> <td>Sediment</td> <td style="text-align: center;"><input type="checkbox"/> 1</td> <td style="text-align: center;"><input type="checkbox"/> 2</td> <td style="text-align: center;"><input type="checkbox"/> 3</td> <td style="text-align: center;"><input type="checkbox"/> 4</td> <td style="text-align: center;"><input type="checkbox"/> 5</td> </tr> <tr> <td>Organic material</td> <td style="text-align: center;"><input type="checkbox"/> 1</td> <td style="text-align: center;"><input type="checkbox"/> 2</td> <td style="text-align: center;"><input type="checkbox"/> 3</td> <td style="text-align: center;"><input type="checkbox"/> 4</td> <td style="text-align: center;"><input type="checkbox"/> 5</td> </tr> <tr> <td>Litter</td> <td style="text-align: center;"><input type="checkbox"/> 1</td> <td style="text-align: center;"><input type="checkbox"/> 2</td> <td style="text-align: center;"><input type="checkbox"/> 3</td> <td style="text-align: center;"><input type="checkbox"/> 4</td> <td style="text-align: center;"><input type="checkbox"/> 5</td> </tr> </table>		Clean				Filthy	Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
	Clean				Filthy																				
Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5																				
Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5																				
Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5																				
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: <input type="checkbox"/> Dirty <input type="checkbox"/> Clean																									
H. INITIAL HOTSPOT STATUS - INDEX RESULTS																									
<input type="checkbox"/> Not a hotspot (fewer than 5 circles and no boxes checked) <input type="checkbox"/> Potential hotspot (5 to 10 circles but no boxes checked) <input type="checkbox"/> Confirmed hotspot (10 to 15 circles and/or 1 box checked) <input type="checkbox"/> Severe hotspot (>15 circles and/or 2 or more boxes checked)																									
Follow-up Action: <input type="checkbox"/> Refer for immediate enforcement <input type="checkbox"/> Suggest follow-up on-site inspection <input type="checkbox"/> Test for illicit discharge <input type="checkbox"/> Include in future education effort <input type="checkbox"/> Check to see if hotspot is an NPDES non-filer <input type="checkbox"/> Onsite non-residential retrofit <input type="checkbox"/> Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____ <input type="checkbox"/> Schedule a review of storm water pollution prevention plan																									
Notes: MANURE MGMT APPEARS TO BE IN PLACE. MANURE STORED UNDERBY DUMPSTERS. PADDocks WELL MAINTAINED, MINIMAL MANURE.																									



WATERSHED: <u>NONNEWAUG</u>		SUBWATERSHED:		UNIQUE SITE ID:	
DATE: <u>9/6/17</u>		ASSESSED BY: <u>SRB RBG</u>		CAMERA ID:	
MAP GRID:		LAT <u> </u> ° <u> </u> ' <u> </u> "		LONG <u> </u> ° <u> </u> ' <u> </u> "	
PIC#:		LMK #			
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>FRASIER FARM</u> <u>TRAINING CENTER</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>EQUESTRIAN</u>			
NPDES Status: <input type="checkbox"/> Regulated <input type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials					○
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing					○
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know					○

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)



WATERSHED: <u>NONNEWAUC</u>		SUBWATERSHED: <u>TRIB</u>		UNIQUE SITE ID:	
DATE: <u>9/6/17</u>		ASSESSED BY: <u>SB BG</u>		CAMERA ID:	
MAP GRID:		LAT <u> </u> ° <u> </u> ' <u> </u> "		LONG <u> </u> ° <u> </u> ' <u> </u> "	
PIC#:		LMK #			
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>LOGUE FARM</u> <u>ARTILLERY RD</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>DAIRY ~350 HEAD</u>			
NPDES Status: <input type="checkbox"/> Regulated <input type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input checked="" type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> Other: _____					
B2. Approximate number of vehicles: <u>10-15</u>					
B3. Vehicle activities (circle all that apply): <u>Maintained</u> Repaired Recycled Fueled Washed Stored					
B4. Are vehicles stored and/or repaired outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
Are these vehicles lacking runoff diversion methods? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
If yes, are they uncovered and draining towards a storm drain inlet? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C2. Are materials stored outside? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid Description: <u>MANURE</u>					
Where are they stored? <input type="checkbox"/> grass/dirt area <input checked="" type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C4. Is staining or discoloration around the area visible? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Can't Tell					
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged					
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age ____ yrs. Condition: Clean Stained Dirty Breaking up
 Surface material Paved/Concrete Gravel Permeable Don't know *Asp*

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 ____% Landscaping ____% Bare Soil ____%

F2. Rate the turf management status: High Medium Low

F3. Evidence of permanent irrigation or "non-target" irrigation Y N Can't Tell

F4. Do landscaped areas drain to the storm drain system? Y N Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? Y N Can't Tell

G. STORM WATER INFRASTRUCTURE N/A (skip to part H) Observed Pollution Source?

G1. Are storm water treatment practices present? Y N Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? Y N Unknown
 Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters					
	Clean			Filthy	
Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input checked="" type="checkbox"/> 5
Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: Dirty Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

Not a hotspot (fewer than 5 circles and no boxes checked) Potential hotspot (5 to 10 circles but no boxes checked)
 Confirmed hotspot (10 to 15 circles and/or 1 box checked) Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:													
<input type="checkbox"/> Refer for immediate enforcement													
<input type="checkbox"/> Suggest follow-up on-site inspection													
<input type="checkbox"/> Test for illicit discharge													
<input checked="" type="checkbox"/> Include in future education effort													
<input type="checkbox"/> Check to see if hotspot is an NPDES non-filer													
<input checked="" type="checkbox"/> Onsite non-residential retrofit													
<input type="checkbox"/> Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____													
<input type="checkbox"/> Schedule a review of storm water pollution prevention plan													

Notes: PRACTICE OF NOT EXCLUDING LIVESTOCK FROM INTERMITTENT STREAM SHOULD BE AN OUTREACH TARGET.
 Recommend initial 25' vegetated buffer. Reconfigure pastures to avoid stream.
 Reconfigure manure composting to divert away from roadway → Reverse alignment so loading happens on farm property, not roadway. → runs off to catch basin
 Free range goats

WATERSHED: <u>WEEKEEPEEMEE</u>		SUBWATERSHED:		UNIQUE SITE ID:	
DATE: <u>1/1</u>		ASSESSED BY: <u>SB BG</u>		CAMERA ID:	
MAP GRID:		LAT <u> </u> ° <u> </u> ' <u> </u> " LONG <u> </u> ° <u> </u> ' <u> </u> "		PIC#:	
MAP GRID:		LAT <u> </u> ° <u> </u> ' <u> </u> " LONG <u> </u> ° <u> </u> ' <u> </u> "		LMK #	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>PERCY THOMPSON MEADOWS, THOMPSON RD BETHLEHEM</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility		Basic Description of Operation: <u>LIVESTOCK</u>	
SIC code (if available): _____		NPDES Status: <input type="checkbox"/> Regulated <input type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*	
B. VEHICLE OPERATIONS <input type="checkbox"/> N/A (Skip to part C)				Observed Pollution Source? <input type="checkbox"/>	
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> Other: _____					
B2. Approximate number of vehicles: _____					
B3. Vehicle activities (circle all that apply): Maintained <input type="checkbox"/> Repaired <input type="checkbox"/> Recycled <input type="checkbox"/> Fueled <input type="checkbox"/> Washed <input type="checkbox"/> Stored <input type="checkbox"/>					
B4. Are vehicles stored and/or repaired outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)				Observed Pollution Source? <input type="checkbox"/>	
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)				Observed Pollution Source? <input type="checkbox"/>	
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials					
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing					
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)				Observed Pollution Source? <input type="checkbox"/>	
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know					

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)



WATERSHED: <u>E SPRING</u>		SUBWATERSHED:		UNIQUE SITE ID:	
DATE: <u>9/16/17</u>		ASSESSED BY: <u>SB BG</u>		CAMERA ID:	
MAP GRID:		LAT <u> </u> ° <u> </u> ' <u> </u> "		LONG <u> </u> ° <u> </u> ' <u> </u> "	
				LMK #	
A. SITE DATA AND BASIC CLASSIFICATION					
Name and Address: <u>SOUTHWIND FARMS</u> <u>RT 61 MORRIS</u>		Category: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Institutional <input type="checkbox"/> Municipal <input type="checkbox"/> Golf Course <input type="checkbox"/> Transport-Related <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Animal Facility			
SIC code (if available): _____		Basic Description of Operation: <u>EQUESTRIAN</u>			
NPDES Status: <input type="checkbox"/> Regulated <input type="checkbox"/> Unregulated <input type="checkbox"/> Unknown		INDEX*			
B. VEHICLE OPERATIONS <input type="checkbox"/> N/A (Skip to part C)					Observed Pollution Source? <input type="checkbox"/>
B1. Types of vehicles: <input type="checkbox"/> Fleet vehicles <input type="checkbox"/> School buses <input type="checkbox"/> 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? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Are these vehicles lacking runoff diversion methods? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B5. Is there evidence of spills/leakage from vehicles? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B6. Are uncovered outdoor fueling areas present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B7. Are fueling areas directly connected to storm drains? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
B8. Are vehicles washed outdoors? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell Does the area where vehicles are washed discharge to the storm drain? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C. OUTDOOR MATERIALS <input type="checkbox"/> N/A (Skip to part D)					Observed Pollution Source? <input type="checkbox"/>
C1. Are loading/unloading operations present? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they uncovered and draining towards a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C2. Are materials stored outside? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are they <input type="checkbox"/> Liquid <input type="checkbox"/> Solid Description: _____ Where are they stored? <input type="checkbox"/> grass/dirt area <input type="checkbox"/> concrete/asphalt <input type="checkbox"/> bermed area					○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C4. Is staining or discoloration around the area visible? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C5. Does outdoor storage area lack a cover? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C6. Are liquid materials stored without secondary containment? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
C7. Are storage containers missing labels or in poor condition (rusting)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
D. WASTE MANAGEMENT <input type="checkbox"/> N/A (Skip to part E)					Observed Pollution Source? <input type="checkbox"/>
D1. Type of waste (check all that apply): <input type="checkbox"/> Garbage <input type="checkbox"/> Construction materials <input type="checkbox"/> Hazardous materials					○
D2. Dumpster condition (check all that apply): <input type="checkbox"/> No cover/Lid is open <input type="checkbox"/> Damaged/poor condition <input type="checkbox"/> Leaking or evidence of leakage (stains on ground) <input type="checkbox"/> Overflowing					○
D3. Is the dumpster located near a storm drain inlet? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can't Tell					○
E. PHYSICAL PLANT <input type="checkbox"/> N/A (Skip to part F)					Observed Pollution Source? <input type="checkbox"/>
E1. Building: Approximate age: _____ yrs. Condition of surfaces: <input type="checkbox"/> Clean <input type="checkbox"/> Stained <input type="checkbox"/> Dirty <input type="checkbox"/> Damaged Evidence that maintenance results in discharge to storm drains (staining/discoloration)? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Don't know					○

*Index: ○ denotes potential pollution source; denotes confirmed polluter (evidence was seen)



E2. Parking Lot: Approximate age ____ yrs. Condition: Clean Stained Dirty Breaking up
 Surface material Paved/Concrete Gravel Permeable Don't know ○

E3. Do downspouts discharge to impervious surface? Y N Don't know None visible *LIKELY DRY WELLS ON HILL*
 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 ____ % Landscaping ____ % Bare Soil ____ % ○

F2. Rate the turf management status: High Medium Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation Y N Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? Y N Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? Y N Can't Tell ○

G. STORM WATER INFRASTRUCTURE N/A (skip to part H) Observed Pollution Source?

G1. Are storm water treatment practices present? Y N Unknown If yes, please describe: _____ ○

G2. Are private storm drains located at the facility? Y N Unknown
 Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters					
	Clean			Filthy	
Sediment	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Organic material	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
Litter	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: Dirty Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

Not a hotspot (fewer than 5 circles and no boxes checked) Potential hotspot (5 to 10 circles but no boxes checked)
 Confirmed hotspot (10 to 15 circles and/or 1 box checked) Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:

- Refer for immediate enforcement
- 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: *MANURE MGMT PROGRAM APPEARS TO BE ONGOING.*

LIMITED MANURE IN PADDOKES SLOPING TOWARD BROOK. COULD INCREASE BUFFER.