



THE CONNECTICUT PORTION OF THE INTERSTATE RELIABILITY PROJECT

 \mathbf{BY}

THE CONNECTICUT LIGHT AND POWER COMPANY

VOLUME 2: ENVIRONMENTAL – WETLANDS/ WATERCOURSES REPORT

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INVENTORY AND DELINEATION OF WETLANDS AND WATERCOURSES ALONG THE CONNECTICUT PORTION

OF THE

INTERSTATE RELIABILITY PROJECT

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1.0 Introduction

This report provides a summary of the wetland and watercourse inventories and delineations conducted by AECOM Environment (AECOM) along the Connecticut portion of the proposed Interstate Reliability Project (Project). These delineations were designed to identify both federal and Connecticut jurisdictional water resources within the transmission line rights-of-way (ROWs) and on associated Project areas.

Project Background and Location. The Project is a series of proposed improvements to the electrical transmission systems in Connecticut, Rhode Island, and Massachusetts that would provide additional safe, reliable, and economic electric service to these states. The Project would also increase the utilities' ability to meet the growing demand for power and would ensure compliance with mandatory federal and regional reliability standards. The Connecticut Light and Power Company (CL&P) would construct, own, and operate the proposed Project facilities located in Connecticut. The proposed facilities in Rhode Island would be owned by the Narragansett Electric Company, and those in Massachusetts would be owned by The New England Power Company are wholly-owned subsidiaries of National Grid USA (National Grid). This report has been prepared in conjunction with CL&P's application to the Connecticut Siting Council (Council) and also in support of other environmental permit applications.

CL&P and National Grid are proposing the construction and operation of the new 345-kilovolt (kV) transmission lines and associated facilities, which would extend between Lebanon, Connecticut and Millbury, Massachusetts. In Connecticut, the new 345-kV transmission lines would be located adjacent to CL&P's existing 345-kV lines, extending between the Card Street Substation (Town of Lebanon), the Lake Road Switching Station (Town of Killingly), and the Connecticut/Rhode Island border in the Town of Thompson, Connecticut. Along this approximately 37-mile Proposed Route, the new 345-kV lines would traverse the municipalities of Lebanon, Columbia, Coventry, Mansfield, Chaplin, Hampton, Brooklyn, Pomfret, Killingly, Putnam, and Thompson.

Along the vast majority of the Proposed Route, the new 345-kV lines would be aligned within CL&P's existing transmission ROWs that generally average 300 feet in width. These existing

ROWs are occupied in part by existing overhead 345-kV lines (and in some locations other transmission and distribution lines), but include sufficient un-used space to accommodate the proposed lines. However, approximately 1.4 linear miles of the Proposed Route would cross two segments of federally-owned properties in the towns of Mansfield and Chaplin, where CL&P's existing ROW is only 150 feet wide. To align the new 345-kV line across these two segments, CL&P proposes the expansion of the ROW by the acquisition of approximately 11 additional acres of easement from the federal government.¹

In the vicinity of the existing transmission lines along all of these ROWs, CL&P routinely conducts vegetation management to maintain scrub-shrub habitat, consistent with the operation of the overhead lines. Most of the vegetation along the un-used portions of the ROWs (including the planned location for the new 345-kV lines) is not managed, and is characterized by plant communities common in the Project region.

Water Resource Studies. On behalf of CL&P, AECOM conducted wetland and watercourse identification and delineations along the Connecticut portion of the Project and in the vicinity of the Card Street Substation.² Desktop analyses, as well as on-site field delineations, were employed to determine state and federal wetland boundaries. Resources consulted during the desktop analyses included the United States Geological Survey (USGS) topographic mapping, U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) mapping, Connecticut Department of Energy and Environmental Protection (CTDEEP) Wetland Soils Mapping, United States Department of Agriculture, Natural Resource Conservation Service (USDA/NRCS) Soil Surveys, and the USGS's National Hydrography Dataset (NHD).

The majority of the wetland and watercourse investigations were conducted from January through April, 2008 and again in April and May, 2011. These investigations encompassed the entire width of CL&P's existing ROWs along which the proposed 345-kV lines would be located (i.e., surveys included water resources along the vegetatively managed portions of the ROWs in

¹ Water resources were delineated within both the proposed 11-acre expansion area and CL&P's existing 150-foot-wide ROW. Along the 1.4 miles of 150-foot-wide ROW on the federally-owned properties, CL&P also has identified two design options that would minimize or avoid the need for additional easement expansion. The water resource studies for the existing ROW and the proposed 11-acre easement expansion encompass all areas along these two design options.

Wetlands were delineated within 100 feet of the existing substation fence line, all on property owned by CL&P.

the vicinity of the existing transmission lines, as well as on the presently un-managed portions of the ROWs, where the new 345-kV lines would be aligned). In the spring of 2009 and 2011, field investigations were also performed on CL&P fee-owned property that may be used to access the ROWs, and along the two segments of the Proposed Route across federally-owned property (under the jurisdiction of the United States Army Corps of Engineers [USACE]) in the towns of Mansfield and Chaplin (also referred to as the Mansfield Hollow area).

In the fall of 2010 and spring of 2011, AECOM conducted field verification surveys to affirm the accuracy of the 2008 and 2009 wetland and watercourse delineations. Specifically, supplemental field investigations were conducted of the previously delineated wetlands to verify that the wetland determinations had not been affected by the passage of time and are in conformance with the USACE's October 2009 *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Regional Supplement*; USACE, 2009).

This report discusses the methods used to identify the wetlands and watercourses encountered along the existing CL&P ROWs within which the Proposed Route would be located, and summarizes the findings of the surveys. Tables listing all wetlands and watercourses identified during the course of the surveys are located in Appendix A. Appendices B and C contain the field data forms and representative wetland and watercourse photographs used to document the wetland and watercourse delineations in 2008; these data forms are organized by town. Appendices D and E contain the field data forms and representative wetland and watercourse photographs used to document the wetland and watercourse delineations in 2011 (also organized by town). Appendix F contains representative samples of hydric soil and wetland mapping resources reviewed as pre-survey information.

2.0 Wetland and Watercourse Regulations

AECOM soil and wetland scientists identified wetlands and watercourses subject to state or federal jurisdiction, based upon the Connecticut Inland Wetlands and Watercourses Act (Section 22a-36 through 45 of the Connecticut General Statutes) and the Federal Clean Water Act ([CWA]; 33 U.S.C. 1344). The Project does not cross any Navigable Waters of the United States Subject to Section 10 of the Rivers and Harbors Act (33 U.S.C. 403).

2.1 Section 404 – Clean Water Act

Wetlands, springs and other Waters of the United States are regulated under Section 404 of the CWA by the USACE (U.S. Environmental Protection Agency, 2006). Federal jurisdictional wetlands include interstate wetlands, wetlands adjacent (i.e., bordering, contiguous, or neighboring) to waters of the United States, and intrastate wetlands whose degradation or destruction could affect interstate or foreign commerce as per the application of the CWA. According to the 1987 *Corps of Engineers Wetland Delineation Manual* (1987 USACE Manual; Environmental Laboratory), areas must exhibit three distinct characteristics to be considered wetlands:

- The prevalent vegetation must consist of plants adapted to life in hydric soil conditions.
 These species, due to morphological, physiological, and/or reproductive adaptations, can and do persist in anaerobic soil conditions;
- 2. Soils in wetlands must be classified as hydric or they must possess characteristics that are associated with reducing soil conditions; and
- 3. They must be inundated either permanently or periodically at mean water depths less than 6.6 feet (two meters) or the soil saturated at the surface for some time during the growing season of the prevalent vegetation.

Wetlands meeting these criteria are subject to federal jurisdiction under Section 404 of the CWA.

In October 2009, the USACE issued the *Regional Supplement*, which provides further guidance for wetland delineations in the northeastern United States. The *Regional Supplement* presents wetland indicators, delineation guidance, and other information specific to the Northcentral and Northeast Regions, supplementing the 1987 USACE Manual in some procedures, but superseding the 1987 USACE Manual in other procedures (i.e., such items as Hydrophytic Vegetation Indicators, Hydric Soil Indicators, Wetland Hydrology Indicators, Growing Season definition, and Hydrology Standard for Highly Disturbed or Problematic Wetland Situations). Indicators and procedures in the *Regional Supplement* are designed to identify wetlands as

defined jointly by the USACE (33 CFR 328.2) and the U.S. Environmental Protection Agency (40 CFR 230.3) and subject to regulation under Section 404 of the CWA.

2.2 Connecticut Inland Wetlands and Watercourses Act

Connecticut regulates work in and around inland wetlands under the Inland Wetlands and Watercourses Act (The Act). Typically, the state statutes are implemented through the Inland Wetlands and Watercourse Regulations as administered by the individual municipalities. However, the Council assumes this implementation role as part of the overall application review process for energy facilities, including this Project.

Under Section 2 of The Act, a wetland is defined as "land, including submerged land...which consists of poorly drained, very poorly drained, alluvial and floodplain soils as defined by the National Cooperative Soils Survey. Such areas may include filled, graded or excavated sites which possess an aquic (saturated) moisture regime as defined by the United States Department of Agriculture (USDA) Cooperative Soil Survey." As written, the statute assigns no bearing to vegetation when performing wetland delineations. According to the CTDEEP website, approximately 17 percent of the state's land area is comprised of wetlands under the Connecticut wetland definition; however, "under the federal definition only roughly half of this same area would be classified as wetlands" (CTDEEP, 2011).

Watercourses are defined in The Act as "rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private, which are contained within, flow through or border upon the state or any portion thereof." The Act defines Intermittent watercourses as having a defined permanent channel bed and bank and the occurrence of two of the following: A) evidence of scour or deposits of recent alluvium or detritus, B) the presence of standing or flowing water for a duration of longer than a particular storm incident, or C) the presence of hydrophytic vegetation.

3.0 Wetland Delineation Procedures

The wetland delineation methodologies outlined in the 1987 USACE Manual, the New England District Wetland Delineation Datasheet and Supplemental Information (CENAE-R-PT Version

9/1/04) were initially used for the wetland and watercourse investigations conducted from January through April, 2008. In addition, the Connecticut Inland Wetlands and Watercourses Act criteria were used to identify and delineate wetlands and watercourses along CL&P's existing ROWs. In the fall of 2010 and spring of 2011, AECOM performed supplemental surveys of wetlands and watercourses along CL&P's existing ROWs in order to verify that the previously delineated wetlands comply with the *Regional Supplement* and associated Wetland Determination Data Form, and also to identify and assess whether any substantial changes had occurred to wetland boundaries or characteristics since the completion of the 2008 wetland delineations. The study methods included both on-site field investigations and off-site analysis to determine the wetland and watercourse resource areas proximate to the proposed Project.

In accordance with the 1987 USACE Manual, and the *Regional Supplement*, hydrophytic vegetation, hydric soils, and wetland hydrology must all be present for a wetland to be subject to jurisdiction under Section 404 of the CWA. Both state and federal methodologies were employed in the field during the delineations.

3.1 Pre-Survey Desktop Investigations

Prior to the commencement of field surveys, AECOM reviewed information from multiple sources to determine the potential extent of wetlands within the survey areas. Pre-survey information reviewed included: USGS topographical quadrangles, USGS NHD, NWI Maps, USDA/NRCS – Web Soil Surveys, and CTDEEP online wetland mapping services. Examples of these database and mapping resources are provided in Figures 1 through 3 in Appendix F.

3.2 Field Surveys

AECOM soil and wetland scientists conducted the 2008 and 2009 field surveys of the Project area in accordance with the 1987 USACE Manual and the State of Connecticut Inland Wetlands and Watercourses Act. The subsequent 2010 and 2011 investigations were performed in accordance with the 1987 USACE Manual and the *Regional Supplement*. Vegetation, soils, and hydrology data were assessed during the field surveys to determine if the three wetland parameters described above were satisfied for each potential wetland area. The "top of bank"

was used to demarcate the limits of a watercourse when no wetlands were adjacent to the channel.

During the field investigations along the ROWs, the soil and wetland scientists identified the boundary between the water resource (wetland and/or watercourse) and the upland area, and delineated the boundary with survey flagging. Wetlands were delineated in the field with pink survey flagging hung on vegetation at approximately 15 to 30 foot intervals, while watercourses were delineated with blue flagging. Documentation to confirm the wetland boundaries was taken at specific locations for each wetland area and wetland resource field data summary sheets were completed for each wetland and watercourse delineated (see Appendix B and D). Each wetland and watercourse was given a unique (Project-specific) alphanumeric designation and these assigned designations were used to identify the wetlands and watercourses on the associated Project mapping. Appendices C and E include representative photographs taken during the delineations.

The specific methods for characterizing and evaluating vegetation, hydrology, and soils for determination for the presence or absence of a wetland were performed as follows:

Soils: At the center of each data plot, the soil and wetland scientists completed borings with a hand-held auger to depths necessary to accurately determine a soil's hydric status (typically 18 to 24 inches below ground surface). The information collected for each soil profile included soil horizons, depth, texture, color, and the presence or absence of redoximorphic features (mottles and other features). Colors of the soil matrix and mottles were identified using Munsell Soil Color Charts. All hydric soil determinations in 2008 and 2009 were based on criteria established in the 1987 USACE Manual (Environmental Laboratory, 1987), along with *Field Indicators of Hydric Soils in the United States* (NRCS, 2006), *Field Indicators for Identifying Hydric Soils in New England* (NEIWPCC, 2004). During the 2010-2011 surveys, the *Regional Supplement* (USACE, 2009) was used in addition to the aforementioned. Additionally, the presence of any saturation and/or standing water encountered during the soil profile description was noted.

Vegetation: Species abundance in both upland and wetland communities were visually estimated. Dominant trees and shrubs/saplings were recorded within a 30-foot and 15-foot radius, respectively, from the center of each documentation plot. Woody vines were recorded within a 30-foot radius of the plot. Dominant herbaceous vegetation was recorded within a 5-foot radius of the plot. The indicator status of each species was identified using the *National List of Plant Species That Occur in Wetlands, Region 1-Northeast* (Resource Management Group 1999). Hydrophytic vegetation was determined to be prevalent when greater than 50 percent of the dominant species were classified as having a wetland indicator status of facultative (FAC+ or FAC), facultative wetland (FACW) or obligate wetland (OBL). However, during the 2010-2011 surveys along the existing CL&P ROWs, those wetland communities that lacked specific vegetation indicators and did not meet the 1987 USACE Manual criteria were evaluated using criteria from the *Regional Supplement*, Chapter 5 (Difficult Wetland Situations in the Northcentral and Northeast Region).

Hydrology: Site hydrology was evaluated during field surveys by initially observing whether the soil at the surface was inundated or saturated. If the ground surface was dry, the depth to freestanding groundwater or saturated soil was measured, and the presence or absence of other indicators of wetland hydrology (e.g. drift lines, waterstained leaves, etc.) was noted. The wetland hydrology criterion was met if one or more primary or two or more secondary field indicators were present (Environmental Laboratory 1987). However, during the 2010-2011 surveys along the existing CL&P ROWs, those wetlands which lacked any hydrology indicators due to temporarily dry conditions, disturbance, or other factors and did not meet the 1987 USACE Manual criteria were evaluated using criteria from the Regional Supplement, Chapter 5 (Difficult Wetland Situations in the Northcentral and Northeast Region).

Wetland and watercourse flag positions and data point locations were field located by AECOM personnel using a Trimble global positioning system (GPS) data collection device capable of sub-meter accuracy. The collected GPS data points were then corrected, geo-referenced, and plotted out on aerial photograph imagery.

3.3 Wetland and Watercourse Classification

While in the field, AECOM soil and wetland scientists classified the various wetlands and watercourses according to the "Cowardin system", which is a process discussed in "Classification of Wetlands and Deepwater Habitats of the United States" (Cowardin et. al, 1979). Identified wetlands were classified as Palustrine Forested (PFO), Palustrine Scrub-Shrub (PSS), Palustrine Emergent (PEM), Palustrine Open Water (POW), or Palustrine Unconsolidated Bottom (PUB), all of which are further described below. In some cases, a wetland complex contained more than one wetland classification type. In those situations, each wetland type is listed and the first classification type represents the more dominant characteristic. Water quality designations were determined using CTDEEP mapping resources (CTDEEP, 2011a).

Palustrine Forested Wetlands (PFO)

Forested wetlands are characterized by woody vegetation that is six meters (approximately 20 feet) tall or taller. These areas normally contain an overstory of trees, an understory of young trees and/or shrubs, and a herbaceous layer. These wetland types are located predominantly in the unmanaged / non-cleared areas of the existing ROWs or in adjacent off-ROW areas.

Palustrine Scrub-Shrub Wetlands (PSS)

Scrub-shrub wetlands are typically dominated by woody vegetation less than six meters (approximately 20 feet) tall. Areas classified as scrub-shrub cover types may represent a successional stage that through natural processes would transition to a forested wetland; or may contain trees or shrubs that are small and/or stunted due to environmental conditions.

Palustrine Emergent Wetlands (PEM)

Emergent wetlands are characterized by erect, rooted, herbaceous hydrophytes not including mosses and lichens. These wetlands maintain the same appearance year after year and are typically dominated by perennial plants that are present for the majority of the growing season.

Palustrine Open Water (POW)

Areas of permanent open water that border on palustrine systems are referred to as POW. Area of open water may exist as man-made or natural waterbodies.

Palustrine Unconsolidated Bottom (PUB)

Areas of open water with unconsolidated bottoms that border on palustrine systems are referred to as PUB.

3.4 Post-Survey Desktop Analysis

The wetland and watercourse boundaries were plotted on aerial imagery and subsequently reviewed and confirmed by AECOM field personnel. The aerial-based maps in Volumes 9 and 11 show the locations of the delineated resources relative to the proposed limits of the Project. USGS topographical quadrangles, National Wetland Inventory Maps, Natural Resource Conservation Service maps, and CTDEEP wetland maps were also utilized in determining approximate wetland boundaries in inaccessible areas. Because of a combination of factors, including thick canopies, steep topography and/or heavy cloud cover, the GPS unit sometimes experienced poor satellite reception and/or geometry. The boundaries of wetlands in areas of poor satellite reception are based upon field observations and aerial photographic interpretation of mapped resources.

4.0 Results

As illustrated in Tables 4-1 through 4-4, a total of 227 wetlands and 104 watercourses were identified along the CL&P ROWs associated with the Proposed Route during the 2008 through

2011 investigations.³ The tables include a reference to the mapsheet on which the delineated wetlands and/or watercourses are located.

Sixty-two wetlands located along the ROWs that the Proposed Route would follow were determined to contain vernal pools for obligate species and 26 wetlands were determined to contain amphibian breeding habitats (i.e., areas not meeting the specific criteria defined by the State of Connecticut to be considered a vernal pool). Several wetlands contained multiple vernal pool and/or amphibian breeding habitat areas within one wetland system. As a result, 88 vernal pools and 29 amphibian breeding habitats were identified in total. A separate summary report has been prepared for the vernal pools and amphibian breeding habitat encountered along the CL&P ROWs along which the Proposed Route would be located.

During the process of delineating the wetlands within the ROWs, both state and federal methodologies were employed. In Connecticut, state and federal boundaries can differ due to the different delineation methodologies. Frequently, areas of alluvial and floodplain soils that qualify as wetlands in Connecticut may not exhibit a wetland plant community and evidence of wetland hydrology, as required by the USACE (Federal) methodology. As a result, some locations on the Connecticut landscape do require distinct state and federal wetland boundaries. Based on field and desktop investigations, AECOM determined five of the 227 wetland areas to be strictly state jurisdictional. These wetlands are identified in the tables and shown on Project mapsheets.

As described above, wetlands were classified according to the Cowardin system. One hundred and eighty-seven wetlands examined in the Project Study Area are classified either wholly or inpart as PFO. One hundred and sixty-six wetlands examined during this study are classified either wholly, or in-part, as PSS, and another 35 wetlands examined during this study are classified either wholly, or in-part, as PEM. Eighteen wetlands examined during this study were classified either wholly, or in-part, as POW, and another nine wetlands were classified as PUB. Vegetation and soil types encountered within these wetlands are presented below.

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³ These wetlands and watercourses were identified within the width of the existing CL&P ROWs (and within the proposed ROW expansion areas across 1.4 miles of USACE-owned property in Mansfield and Chaplin. However, not all of these water resources would necessarily be affected by the construction of the proposed Project.

Wetland Vegetation

Common species encountered in the various PFO wetlands included some combination of the following species: red maple (*Acer rubrum*), cinnamon fern (*Osmunda cinnamomea*), sensitive fern (*Onoclea sensibilis*), silky dogwood (*Cornus amomum*), white pine (*Pinus strobus*), yellow birch (*Betula alleghaniensis*), sphagnum moss (*Sphagnum sp.*), highbush blueberry (*Vaccinium corymbosum*), Japanese barberry (*Bereris thunbergii*), sedges (*Carex spp.*), spicebush (*Lindera benzoin*), and skunk cabbage (*Symplocarpus foetidus*), as well as the invasive species multiflora rose (*Rosa multiflora*) and/or common reed (*Phragmites australis*). Common species found within the PSS wetland areas included: red maple, cinnamon fern, sphagnum moss, speckled alder (*Alnus incana*), sensitive fern, sedges, reed canary grass (*Phalaris arundinacea*), silky dogwood, skunk cabbage and multiflora rose. The vegetation species commonly encountered in PEM wetlands included: tussock sedge (*Carex stricta*), cattails (*Typha latifolia*), sensitive fern, sedges and skunk cabbage.

Appendices B and D include additional details and site-specific information for each wetland and watercourse area.

Wetland Soils

Multiple soil types representing a wide variety of soil series designations were identified during the wetland and watercourse inventory. Soils identified in the various wetlands appear to have formed in parent materials including glacial till, glaciolacustrine sediments, glacial outwash, and organic materials. The soil types within the study area were identified as moderately well drained soils to the very poorly drained hydric soils and included fine sandy loams, gravelly sandy loams, silty loams, sandy loams and muck. Many areas were identified as frequently flooded. Poor drainage was noted in areas with the presence of deep organic soils, sapric material in the surface layers, high organic contents in the topsoil and/or prolonged standing water. Additionally, varying degrees of stoniness and rockiness were observed.

See Appendices B and D for additional details and site specific information for each wetland and watercourse area.

Watercourses

The watercourses encountered during this inventory varied greatly in type, size and character. "Rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private, which are contained within, flow through or border upon the state or any portion thereof" are considered watercourses, according to the Connecticut Inland Wetlands and Watercourses Act. Some of the streams that were inventoried are natural, whereas others were man-made. Silty sediments, sand, rock, gravel, riprap, and/or cobble bottoms dominated the stream beds that were inventoried. The shape, height, susceptibility to erosion and direction of flow of the individual watercourses varied greatly. Man made watercourses that were inventoried included those with culverts and corrugated and smooth drainage pipes, retention ponds, and man-made farm ponds.

See Appendices B and D for additional details and site-specific information for regarding each watercourse area.

Table 4-1 Wetlands Identified Along the Project ROWs, By Municipality			
Parameter	Number of Identified Wetlands		
Total Number of Wetlands	227		
Municipality: Lebanon *	5		
Municipality: Columbia*	20		
Municipality: Coventry*	8		
Municipality: Mansfield *	42		
Municipality: Chaplin*	24		
Municipality: Hampton*	32		
Municipality: Brooklyn *	44		
Municipality: Pomfret*	4		
Municipality: Killingly*	12		
Municipality: Putnam	31		
Municipality: Thompson	10		

^{*}Wetlands W20-5, W20-24, W20-68, W20-92, and W20-120, span the border of two municipalities. These wetlands have been included in the inventory for both respective municipalities but were counted only once in the Total Number of Wetlands.

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Table 4-2 Watercourses Identified Along the Project ROWs, By Municipality		
Parameter	Number of Identified Watercourses	
Total Number of Watercourses	104	
Municipality: Lebanon *	1	
Municipality: Columbia *	4	
Municipality: Coventry *	3	
Municipality: Mansfield *	21	
Municipality: Chaplin *	12	
Municipality: Hampton	17	
Municipality: Brooklyn *	26	
Municipality: Pomfret	2	

Municipality: Killingly *

Municipality: Putnam*

Municipality: Thompson

^{*}Watercourses S20-1, S20-2, S20-4, S20-20, S20-54, S20-55, S20-58, and S20-59 span the border of two municipalities. These watercourse have been included in the inventory for each of the respective municipalities but each crossing was counted only once in the Total Number of Watercourses.

Table 4-3 Wetlands Identified Along the Project ROWs, By Type			
Parameter Number of Identified Wetlands			
Total Number of Wetlands	227		
Wetland Classification: PFO ¹	187		
Wetland Classification: PSS ¹	166		
Wetland Classification: PEM ¹	35		
Wetland Classification: POW1	18		
Wetland Classification: PUB ¹	9		

^{1 –} Wetlands were classified according to Cowardin et al. PEM = palustrine emergent wetland; PSS = palustrine scrub-shrub wetland; PFO = palustrine forested wetland; POW = palustrine open water; PUB = palustrine unconsolidated bottom. The Wetland areas were classified by AECOM soil and wetland scientists. The Total Number of Wetlands reflects the actual number of wetlands areas identified, but multiple Cowardin classifications may apply to a particular wetland area, resulting in the appearance of a discrepancy with the tabulations.

Table 4-4 Watercourses Identified Along the Project ROWs, By Type and Water Quality Classification				
Parameter	Number of Identified Watercourses			
Total Number of Watercourses	104			
Water Quality Classification: AA ¹	15			
Water Quality Classification: AA¹/Coldwater	9			
Water Quality Classification: AA¹/Warmwater	4			
Water Quality Classification: A ¹	55			
Water Quality Classification: A ¹ / Coldwater	8			
Water Quality Classification: A ¹ / Warmwater	7			
Water Quality Classification: B1 / Coldwater	6			
Watercourse Frequency: I ²	50			
Watercourse Frequency: P ²	54			

^{1 –} Watercourses were classified using the CT Water Quality Standards classifications revised February 2011: AA = drinking water supply, A = potential drinking water supply, contact recreation, B = recreational use. B/AA = watercourse does not meet Class AA Criteria or designated uses. The water quality goal is achievement of Class AA Criteria and attainment of Class AA designated uses. The Total Number of Watercourses reflects the actual number of watercourses identified along the existing CL&P ROWs. Class AA watercourses crossed by the Project, are those that serve as a drinking water supply upstream of Willimantic Water Works and include the Natchaug, Fenton and Mount Hope Rivers and their tributaries.

² – Watercourse frequency is designated using the CT Inland Wetland and Watercourses Act: P = Perennial, I = Intermittent.

5.0 <u>Discussion</u>

Tables 4-1 and 4-2 show the distribution of wetlands and watercourses along the existing CL&P ROWs, by municipality. Along the ROWs, Brooklyn and Mansfield have the highest number of wetlands (44 and 42 respectively). Brooklyn also has 26 watercourses, and Mansfield has 21. Thirty-two wetlands and 17 watercourses are located along the ROWs in Hampton. Thirty-one wetlands and 16 watercourses are identified in Putnam. Lebanon has five wetlands and one watercourse. Chaplin has 24 wetlands and 12 watercourses identified. Killingly has 12 wetlands and six watercourses identified, while Thompson has 10 wetlands and four watercourses identified along the CL&P ROWs. The municipality with the fewest number of wetlands and watercourses identified is Pomfret with just four wetlands and two watercourses. Tables 4-1 and 4-2 provide additional details regarding the distribution of wetlands and watercourses by municipality.

Tables 4-3 and 4-4 summarize the wetland and watercourse classifications of the water resources identified within the existing CL&P ROWs. Most of the wetlands (79 percent) identified during the investigations are classified either wholly, or in part, as PFO. Approximately 69 percent of the inventoried wetlands are classified either wholly, or in part, as PSS, and approximately 14 percent of the wetlands are classified either wholly, or in part, as PEM. Less than 10 percent of the wetland areas are classified either wholly, or in part, as POW; and less than five percent of the wetland areas are classified either wholly, or in part, as PUB, though watercourses were inventoried separately and are not accounted for in this percentage. Often, multiple Cowardin system classifications are applied to a particular wetland area. In fact, a majority of the wetlands inventoried exhibit a PSS cover type, with a bordering PFO cover type. This is very typical of most routinely managed ROWs.

A total of 104 watercourses were inventoried as part of the investigations along the existing CL&P ROWs. Of these 104 watercourses, 54 are indicated to sustain perennial flow, while the remaining 50 watercourses are classified as intermittent. Along the Proposed Route, one Level A Aquifer⁴ and one municipal drinking water supply were encountered during the investigations, and the vast majority (98, or 94 percent) of the watercourses inventoried hold a Water Quality Classification of "A" or better, indicating that those watercourses represent potential drinking

water supply and are suitable for contact recreation. Six of the inventoried watercourses are deemed suitable for recreational use but are not drinking water supplies. Tables 4-3 and 4-4 provide additional details regarding the classifications of wetlands and watercourses inventoried as part of AECOM's field investigations.

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Appendix A

Connecticut Wetlands and Watercourses

Identified Along the Interstate Reliability Project

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Lebanon	W20-1	01, 02 of 134	PFO / PSS
Lebanon	W20-2	01 of 134	PFO / PSS
Lebanon	W20-3	01, 02 of 134	PSS / PFO
Lebanon	W20-4	02 of 134	PSS
Lebanon / Columbia	W20-5*	02, 03 of 134	PSS / PFO
Columbia	W20-6	03 of 134	PFO / PSS
Columbia	W20-7	03 of 134	PSS / PFO
Columbia	W20-8	04 of 134	PSS / PFO
Columbia	W20-9**	04, 05 of 134	PSS / PFO
Columbia	W20-10	05 of 134	PFO / PSS
Columbia	W20-11	05, 06 of 134	PSS / PFO
Columbia	W20-12	05, 06 of 134	PSS
Columbia	W20-13	06 of 134	PSS / PFO
Columbia	W20-14	07 of 134	PSS
Columbia	W20-15	07 of 134	PSS
Columbia	W20-16	07 of 134	PSS
Columbia	W20-17	07 of 134	PFO / PEM
Columbia	W20-18	07, 08 of 134	PSS
Columbia	W20-19	07, 08 of 134	PSS
Columbia	W20-20	07, 08 of 134	PSS
Columbia	W20-21	08 of 134	PFO / PSS
Columbia	W20-22	08 of 134	PSS

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Columbia	W20-23	08 of 134	PSS / PFO
Columbia / Coventry	W20-24	08, 09 of 134	PSS / PFO
Coventry	W20-25	09 of 134	PFO
Coventry	W20-26	10 of 134	PSS / PFO
Coventry	W20-27**	10, 11 of 134	PEM / PFO
Coventry	W20-28	11 of 134	PFO / PSS
Coventry	W20-29	12 of 134	PFO
Coventry	W20-30***	12, 13 of 134	PEM / PFO
Coventry	W20-31***	13, 14 of 134	PEM / PFO
Mansfield	W20-32	13, 14 of 134	PEM
Mansfield	W20-33	15 of 134	PFO / PSS
Mansfield	W20-34	15, 16 of 134	PFO
Mansfield	W20-35	15, 16 of 134	PSS / PFO
Mansfield	W20-36	16 of 134	PFO
Mansfield	W20-37	16, 17 of 134	PFO
Mansfield	W20-38	16, 17 of 134	PSS / PFO
Mansfield	W20-39	16, 17 of 134	PFO / PSS
Mansfield	W20-39A	17 of 134	PSS / PFO
Mansfield	W20-40	17 of 134	PFO
Mansfield	W20-41**	17, 18 of 134	PFO / PSS
Mansfield	W20-42	18 of 134	PFO / PSS
Mansfield	W20-43**	18, 19 of 134	PFO / PSS

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Mansfield	W20-44**	19, 20 of 134	PFO / PSS
Mansfield	W20-45	21 of 134	PFO
Mansfield	W20-45A	21 of 134	PEM / PFO
Mansfield	W20-46	21 of 134	PFO / PSS
Mansfield	W20-47	22 of 134	PFO / PSS
Mansfield	W20-48	22 of 134	PFO / PSS
Mansfield	W20-49	22 of 134	PEM
Mansfield	W20-50**	22 of 134	PFO / PSS
Mansfield	W20-51	23 of 134	PSS
Mansfield	W20-52	23 of 134	PFO / PSS
Mansfield	W20-53**	23 of 134	PFO / PSS
Mansfield	W20-54	24 of 134	PSS / PFO
Mansfield	W20-55**	24 of 134	PFO / PSS
Mansfield	W20-56**	25 of 134	PFO / PSS
Mansfield	W20-57	25 of 134	PFO
Mansfield	W20-58	25, 26 of 134	PFO / PSS
Mansfield	W20-59	26 of 134	PFO
Mansfield W20-60	þ	27of 134	PSS
Mansfield	W20-61	27, 28 of 134	PFO / PSS
Mansfield	W20-62	28, 29 of 134	PEM
Mansfield	W20-62A	28 of 134	POW
Mansfield	W20-62B	28, 29 of 134	POW

Table A-1
Wetlands Identified Along the Project ROWs

Wetland Value 441 Manakati Watland Olas 2			
Municipality	Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Mansfield	W20-62C***	28, 29 of 134	POW
Mansfield	W20-63**	31 of 134	PFO / PSS
Mansfield	W20-64**	31 of 134	PFO / PSS
Mansfield	W20-65	33 of 134	PUB / PFO
Mansfield	W20-66	34 of 134	PUB / PFO
Mansfield	W20-67	36 of 134	PFO
Mansfield / Chaplin	W20-68***	36, 37 of 134	PEM / PFO / PSS
Chaplin	W20-69	37 of 134	PFO / PSS
Chaplin	W20-70**	38 of 134	PFO / PSS
Chaplin	W20-71	38 of 134	PSS
Chaplin	W20-72/73**	38, 39 of 134	PSS / PFO
Chaplin	W20-74	39 of 134	PFO
Chaplin	W20-75	39 of 134	PSS / PFO
Chaplin	W20-76	39, 40 of 134	PFO / PSS
Chaplin	W20-77***	40 of 134	POW / PSS / PFO
Chaplin	W20-78**	40 of 134	PFO
Chaplin	W20-79**/***	40 of 134	PFO
Chaplin	W20-80	40 of 134	PFO / PSS
Chaplin	W20-81**	41 of 134	PFO / PSS
Chaplin	W20-82	41 of 134	PSS
Chaplin	W20-83**	41, 42 of 134	PSS / PFO
Chaplin	W20-84**	42 of 134	PSS / PFO

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Chaplin	W20-85	43 of 134	POW / PFO / PSS
Chaplin	W20-86***	44 of 134	PUB / PEM / PFO
Chaplin	W20-87**	44, 45 of 134	PFO / PSS
Chaplin	W20-88***	46 of 134	PFO / PSS
Chaplin	W20-89**/***	46, 47 of 134	PFO / PSS / POW
Chaplin	W20-90	48 of 134	PFO
Chaplin	W20-91***	47, 48 of 134	POW / PSS
Chaplin / Hampton	W20-92	48, 49 of 134	PFO / PSS
Hampton	W20-93	49 of 134	PSS
Hampton	W20-94**	50 of 134	PFO / PSS
Hampton	W20-95	50, 51 of 134	PFO / PSS
Hampton	W20-95A	50 of 134	PFO
Hampton	W20-96	51 of 134	PSS
Hampton	W20-97	51 of 134	PFO / PSS
Hampton	W20-98**	52, 53 of 134	PFO / PSS
Hampton	W20-99	53 of 134	PFO / PEM
Hampton	W20-100**/***	53, 54 of 134	PFO / PSS
Hampton	W20-101**	54 of 134	PFO
Hampton	W20-102	54, 55 of 134	PFO / PSS
Hampton	W20-103	55, 56 of 134	PFO / PSS
Hampton	W20-104	55, 56 of 134	PFO / PSS
Hampton	W20-105	56 of 134	PEM

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Hampton	W20-106	56 of 134	PFO
Hampton	W20-107	56, 57 of 134	PEM / PFO
Hampton	W20-108	56, 57 of 134	PSS / PFO
Hampton	W20-109	57 of 134	PSS / PFO
Hampton	W20-110	58 of 134	PSS / PFO
Hampton	W20-111**	58 of 134	PSS
Hampton	W20-112***	58, 59 of 134	PSS
Hampton	W20-112A**	59 of 134	PFO
Hampton	W20-113**	58, 59 of 134	PFO
Hampton	W20-114**	59 of 134	PFO
Hampton	W20-115	59 of 134	PFO / PSS
Hampton	W20-116***	59, 60 of 134	PFO/PSS
Hampton	W20-117***	60, 61 of 134	PSS / PFO / PEM
Hampton	W20-118**	60, 61 of 134	PFO/PSS
Hampton	W20-119	62 of 134	PSS
Hampton / Brooklyn	W20-120***	63, 64 of 134	PFO / PSS
Hampton	W20-121**	63 of 134	PSS
Brooklyn	W20-122***	64, 65, 66 of 134	PFO / PSS / PEM
Brooklyn	W20-123**	65, 66 of 134	PFO / PSS
Brooklyn	W20-124	66 of 134	PFO / PSS
Brooklyn	W20-125**	66 of 134	PSS / PFO
Brooklyn	W20-126	68 of 134	PFO

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Brooklyn	W20-127**	68 of 134	PSS / PFO
Brooklyn	W20-128	68 of 134	PFO
Brooklyn	W20-129**	69 of 134	PSS / PFO
Brooklyn	W20-130**	70 of 134	PFO / PSS
Brooklyn	W20-131	71 of 134	PFO
Brooklyn	W20-132	71 of 134	PFO
Brooklyn	W20-133	71 of 134	PEM / PFO
Brooklyn	W20-134	71 of 134	PSS
Brooklyn	W20-135	71 of 134	PFO
Brooklyn	W20-136	72 of 134	PFO
Brooklyn	W20-137**	72, 73 of 134	PFO / PSS
Brooklyn	W20-138**	72, 73 of 134	PFO / PSS
Brooklyn	W20-139**/***	73, 74 of 134	PFO / PSS
Brooklyn	W20-140**	74 of 134	PFO / PSS
Brooklyn	W20-141	74 of 134	PFO
Brooklyn	W20-142	74 of 134	PFO
Brooklyn	W20-143**	74 of 134	PSS / PFO
Brooklyn	W20-144	74 of 134	PFO / POW
Brooklyn	W20-145	75 of 134	PFO
Brooklyn	W20-146	75 of 134	PFO
Brooklyn	W20-147	75 of 134	PFO / POW
Brooklyn	W20-148	75, 76 of 134	PUB / PEM / PFO / PSS

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Brooklyn	W20-149**	76 of 134	PFO / PSS
Brooklyn	W20-150	77 of 134	PFO / PSS
Brooklyn	W20-151	79, 80 of 134	PEM / PUB / PFO
Brooklyn	W20-152	80 of 134	PSS
Brooklyn	W20-153***	80, 81, 82 of 134	PEM / PUB / PSS / PFO
Brooklyn	W20-154**	82, 83, 84 of 134	PFO / PSS
Brooklyn	W20-154A	83 and 84 of 134	PSS / PFO
Brooklyn	W20-155	84 of 134	PEM
Brooklyn	W20-156	84 of 134	PSS
Brooklyn	W20-157**	84, 85, 86 of 134	PEM / PSS / PFO
Brooklyn	W20-158**	86 of 134	PSS / PUB / PFO
Brooklyn	W20-159	86, 87 of 134	PSS / PFO / POW
Brooklyn	W20-159A	88 of 134	PEM / PFO
Brooklyn W20-160*** / W20-160A		89, 89A of 134	PSS / PFO
Brooklyn	W20-160B	88A of 134	PFO
Pomfret	W20-161**	94 of 134	PFO
Pomfret	W20-161A	93 of 134	PFO
Pomfret	W20-162*, ***	95, 96 of 134	PSS / PFO / POW
Pomfret	W20-163	96 of 134	PSS / PEM / PFO / POW
Killingly	W20-164*	96, 97 of 134	PSS / PEM / PFO / POW
Killingly	W20-165	97of 134	PSS / PFO
Killingly	W20-166	97 of 134	PSS

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Killingly	W20-167	98 of 134	PFO
Killingly	W20-168**	99 of 134	PSS / PFO
Killingly	W20-169***	99, 100 of 134	PSS / PFO
Killingly	W20-170	100, 101 of 134	PFO / PEM
Killingly	W20-170A	100 of 134	PSS / PFO
Killingly	W20-171	101, 102 of 134	PSS / PFO
Killingly	W20-171A	101, 102 of 134	PSS
Putnam	W20-172*, **	102, 103 of 134	PSS / PFO
Putnam	W20-173	103 of 134	PSS
Putnam	W20-174**	103 of 134	PSS / PFO
Putnam	W20-175**	103, 104 of 134	PSS / POW
Putnam	W20-176**	104 of 134	PSS / POW
Killingly	W20-177**	105 of 134	PSS / PFO
Killingly	W20-178*, **	106 of 134	PSS / PFO
Putnam	W20-179	110 of 134	PSS
Putnam	W20-180	110 of 134	PFO / PSS
Putnam	W20-181	110 of 134	PSS
Putnam	W20-181A	111 of 134	PSS / PEM
Putnam	W20-181B	110 of 134	PFO
Putnam	W20-182	112 of 134	PSS / PFO
Putnam	W20-182A	112 of 134	PSS / PEM
Putnam	W20-183	112 of 134	PFO / PSS

Table A-1
Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²
Putnam	W20-184	113 of 134	PSS / PEM / PFO
Putnam	W20-185	115 of 134	PSS
Putnam	W20-186	116 of 134	PFO / PSS
Putnam	W20-187**	116, 117 of 134	PFO / PSS / PUB
Putnam	W20-188**/***	117, 118 of 134	PFO / PSS
Putnam	W20-189	118 of 134	PFO / PEM
Putnam	W20-190***	119 of 134	PSS / PFO
Putnam	W20-191**/***	119, 120 of 134	PFO / PSS / PEM
Putnam	W20-192**	120 of 134	PFO / POW
Putnam	W20-193	121 of 134	PFO / PSS
Putnam	W20-194**	121, 122 of 134	PSS / PFO
Putnam	W20-195**	122, 123 of 134	PFO / PSS
Putnam	W20-196**	123, 124 of 134	PSS
Putnam	W20-197**	124, 125 of 134	PFO / PSS / PEM
Putnam	W20-198***	126 of 134	PUB / PEM / PFO / PSS
Putnam	W20-199**	126 of 134	PFO / PSS
Putnam	W20-200 / W20- 201	126, 127 of 134	PFO / PSS / POW
Thompson	W20-202	127 of 134	PSS
Thompson	W20-203***	127, 128, 129 of 134	PEM
Thompson	W20-204	129, 130 of 134	PSS / PFO
Thompson	W20-205	129, 130 of 134	PFO
Thompson	W20-206	130 of 134	PSS / PFO

Table A-1 Wetlands Identified Along the Project ROWs

Municipality	Wetland Number	Volume 11 ¹ Mapsheet	Wetland Class ²		
Thompson	W20-207**	130, 131 of 134	PFO / PSS		
Thompson	W20-208	132 of 134	PFO		
Thompson	W20-209	132 of 134	PEM		
Thompson	W20-210	132 of 134	PFO		
Thompson	W20-211	134 of 134	PFO / PSS		

^{1 –} The Volume 11 (1 inch = 1 00 feet scale) map sheets are u sed as a ref erence for this table a s the mapping at this scale provides a more detailed view of the wetland boundaries. However, wetlands also are depicted on the Volume 9 (1" = 400') maps.

^{2 –} Wetlands were cl assified according to Cowardin et al. PEM = palustrine emergent wetland; PSS = palustrine scrub-shrub wetland; PFO = palustrine forested wetland; POW = palustrine open water; PUB = palustrine unconsolidated bottom

^{*} A portion of these wetlands do not meet the three-parameter criteria for a fe deral jurisdictional wetland, but do meet the criteria of a state of Connecticut wetland.

^{**} A portion of these wetlands meet the criteria for classification as a Connecticut vernal pool.

^{***} A portion of these wetlands function as am phibian breeding habitat, but do not meet the criteria for classification as a Connecticut vernal pool.

Table A-2 **Watercourses Identified Along the Project ROWs Watercourse Series** Water Quality² / Watercourse Number **Fisheries** Frequency Volume 11 **Municipality** Classification³ Type and Name Mapsheet¹ (P or I)⁴ (Where applicable) (Where Applicable) Lebanon / S20-1 / Tenmile River 03 of 134 B / Coldwater Ρ Columbia Р S20-1A 05, 06 of 134 Α Columbia Columbia S20-1B 06 of 134 Α Р Р Coventry / S20-2 / Hop River 08, 09 of 134 B / Coldwater Columbia S20-3 07 of 134 Ρ Coventry Α Р Coventry / S20-4 / Willimantic 13, 14 of 134 B / Coldwater Mansfield River Mansfield S20-5 15 of 134 ı Α Mansfield S20-6 15, 16 of 134 Α Ρ Р Mansfield S20-7 16, 17 of 134 A / Warmwater Mansfield S20-8 19 of 134 AA / Warmwater Ρ Р Mansfield S20-9 / Conantville 19, 20 of 134 AA / Warmwater **Brook** Mansfield 21 of 134 AA / Warmwater Ι S20-10 Mansfield S20-11 21 of 134 AA I Р Mansfield S20-12 21 of 134 AA Mansfield S20-12A 21 of 134 AA AA Ρ Mansfield S20-13 22 of 134 Mansfield S20-14 22 of 134 Р AA

22 of 134

AA

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Mansfield

S20-15

Table A-2 Watercourses Identified Along the Project ROWs

		<u> </u>	•	
Municipality	Watercourse Series Number and Name (Where Applicable)	Number Volume 11 and Name Volume 11 Mapsheet Classification Title Quality Fisheries Classification		Watercourse Frequency Type (P or I) ⁴
Mansfield	S20-16	24 of 134	AA / Coldwater	I
Mansfield	S20-17 / Sawmill Brook	25 of 134	AA / Coldwater	Р
Mansfield	S20-17B	25 of 134	AA	Р
Mansfield	S20-18	27, 28 of 134	AA / coldwater	I
Mansfield	S20-19A	28, 29 of 134	AA	I
Mansfield	S20-19	31 of 134	AA	I
Mansfield Ma	nsfield Hollow Lake	33, 34, 35 of 134	AA / Warmwater	Р
Mansfield / Chaplin	S20-20	36 of 134	AA / Coldwater	Р
Chaplin	S20-21	37 of 134	AA / Coldwater	I
Chaplin	S20-21A	38 of 134	AA	I
Chaplin	S20-22 / Natchaug River	38, 39 of 134	AA / Coldwater	Р
Chaplin	S20-23	39 of 134	AA / Coldwater	Р
Chaplin	S20-24	39, 40 of 134	AA / Coldwater	Р
Chaplin	S20-25	40 of 134	AA	Р
Chaplin	S20-26	41 of 134	AA	Р
Chaplin	S20-27	41 of 134	AA	I
Chaplin	S20-28	46 of 134	AA	I
Chaplin	S20-29 / Buttonball Brook	47 of 134	AA / Coldwater	Р
Chaplin	S20-30	48 of 134	AA	Р

Table A-2
Watercourses Identified Along the Project ROWs

		3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	
Municipality	Watercourse Series Number and Name (Where Applicable)	Volume 11 Mapsheet ¹	Water Quality ² / Fisheries Classification ³ (Where applicable)	Watercourse Frequency Type (P or I) ⁴
Hampton	S20-31	49 of 134	A	I
Hampton	S20-32 / Merrick Brook	50 of 134	A / Coldwater	Р
Hampton	S20-33	51 of 134	A	1
Hampton	S20-34	53, 54 of 134	A	I
Hampton	S20-35	54 of 134	A	1
Hampton	S20-36	55 of 134	A	I
Hampton	S20-37	55, 56 of 134	A	1
Hampton	S20-38	56 of 134	A	1
Hampton	S20-38A	56 of 134	A	1
Hampton	S20-39A / Cedar Swamp Brook	56 of 134	A / Coldwater	Р
Hampton	S20-39 / Cedar Swamp Brook	56, 57 of 134	A / Coldwater	Р
Hampton	S20-40 / Little River	58 of 134	A / Coldwater	Р
Hampton	S20-40A	59 of 134	A	1
Hampton	S20-41	59 of 134	A / Coldwater	Р
Hampton S2	0-41A Humes Brook	61 of 134	А	I
Hampton	S20-41B	60 of 134	A	I
Hampton	S20-41C	63 of 134	A	1
Brooklyn	S20-41D	65 of 134	A	1
Brooklyn	S20-41E	65 of 134	А	1

Table A-2 Watercourses Identified Along the Project ROWs

Tracelocal cool labellines yillong the 110 jobs No 110										
Municipality	Watercourse Series Number and Name (Where Applicable)	Number Volume 11 Fisheries and Name Mapsheet Classification								
Brooklyn	S20-41F	71 of 134	А	I						
Brooklyn	S20-41G	71 of 134	А	I						
Brooklyn	S20-42 / Stony Brook	72 of 134	A / Coldwater	Р						
Brooklyn	S20-42A	72, 73 of 134	Α	Р						
Brooklyn	S20-42B	74 of 134	А	I						
Brooklyn	S20-43	75 of 134	Α	I						
Brooklyn	S20-44 / Blackwell Brook	75 of 134	A	Р						
Brooklyn	S20-45 Tanner Brook	77 of 134	А	Р						
Brooklyn	S20-46	79, 80 of 134	А	I						
Brooklyn	S20-47	80 of 134	А	l						
Brooklyn	S20-47A	80 of 134	А	I						
Brooklyn	S20-48	80 of 134	А	I						
Brooklyn	S20-49 / White Brook	81, 82 of 134	A / Warmwater	Р						
Brooklyn	S20-153	81 of 134	А	I						
Brooklyn	S20-49A	83 of 134	А	I						
Brooklyn	S20-49B	83 of 134	Α	I						
Brooklyn	S20-50	84 of 134	Α	Р						
Brooklyn	S20-51 / White Brook	84, 85 of 134	A / Warmwater	Р						
Brooklyn	S20-52 / Creamery Brook	85 of 134	A / Warmwater	Р						
Brooklyn	S20-52A	88A of 134	А	I						

Table A-2
Watercourses Identified Along the Project ROWs

Municipality	Watercourse Series Number and Name (Where Applicable)	Volume 11 Mapsheet ¹	Water Quality ² / Fisheries Classification ³ (Where applicable)	Watercourse Frequency Type (P or I) ⁴
Brooklyn	S20-52B	88A of 134	A	I
Brooklyn	S20-53	89 of 134	A	Р
Brooklyn / Pomfret	S20-54	90, 91 of 134	А	I
Brooklyn	S20-54A	89, 90 of 134	A	I
Killingly / Pomfret	S20-55 / Quinebaug River	95, 96 of 134	B/ Coldwater	Р
Killingly	S20-56	97 of 134	A	I
Killingly	S20-57	99, 100 of 134	A	I
Killingly	S20-57A	101, 102 of 134	A	Р
Putnam / Killingly	S20-58 / Quinebaug River	102, 103 of 134	B/ Coldwater	Р
Putnam / Killingly	S20-59 / Quinebaug River	105 of 134	B/ Coldwater	Р
Putnam	S20-59A	110 of 134	A	I
Putnam	S20-59B	112 of 134	A	I
Putnam	S20-59C	112 of 134	A	I
Putnam	S20-60 / Culver Brook	113 of 134	A / Warmwater	Р
Putnam	S20-60A	113 of 134	A	Р
Putnam	S20-60B	113 of 134	A	Р
Putnam	S20-60C	113 of 134	A	Р
Putnam	S20-60D	116, 117 of 134	A	I

Table A-2 Watercourses Identified Along the Project ROWs

Municipality	Watercourse Series Number and Name (Where Applicable)	Volume 11 Mapsheet ¹	Water Quality ² / Fisheries Classification ³ (Where applicable)	Watercourse Frequency Type (P or I)⁴
Putnam	S20-60E / Culver Brook	118 of 134	A / Coldwater / Wild Brook Trout	Р
Putnam	S20-61	119 of 134	A	Р
Putnam	S20-61A / Lippits Brook	121 of 134	A / Warmwater	Р
Putnam	S20-62	124, 125 of 134	A	Р
Putnam	S20-63 / Munson Brook	126 of 134	A / Warmwater	Р
Putnam S20	-64 / Fivemile River	127 of 134	A / Coldwater	Р
Thompson	S20-65	129, 130 of 134	A	Р
Thompson	S20-66 / Teft Brook	130, 131 of 134	A	Р
Thompson	S20-67	132 of 134	A	I
Thompson	S20-68	134 of 134	A	I

^{1 -} Th e Volume 11 (1 in ch = 1 00 feet scale) mapsheets are used as a reference for this table as the mapping at this scale provides a more detailed view of the watercourse boundaries. However, the watercourses also are depicted on the Volume 9 (1" = 400") maps.

AA: designated for: existing or proposed drinking water supplies; habitat for fish and other aquatic life and wildlife; recreation; water supply for industry and agriculture

A: habitat for fish and oth er aquatic life and wildlife; potential drinking water supplies; recreation; navigation; and water supply for industry and agriculture

B: habitat for fish and oth er aquatic life and wildlife; recreation; navigation; and industrial and agricultural water supply

3 – Fishery Cla ssification (where ap plicable) was obtained by personal communication with Neal Hagstrom, Senior Fisheries Biologist at CTDEEP. December 10, 2010 and June 17, 2011. Additional

^{2 –} Water classifications as defined by the Connecticut Water Quality Standards are goals that have been set forth by the CT DEEP . Information regarding the changes in 2010 and the establishment of these classifications as goals was obtained through communications with Susan Peterson of the CT DEEP on December 7, 2011. These Classifications are:

communication with Neal Hagstrom occurred on December 5, 2011 regarding fishery and water quality classifications.

4 – P = Perennial; I = Intermittent

Appendix B

2008 Wetlands and Watercourses Field Data Forms

Town of Lebanon, CT

Flag Series: Observers: Date:	300 – 312	ger/R. Lloyd/J. Berg	Town: Lebanon, CT rg Weather: Time:								
Dominant NV	/I Class: PF	0			Other N\	VI Classe	s: PSS			-	
Representativ	ve Vegetation	(Record Species a	ind Occi	ırrence Pe	rcentage):						
_	l maple (Acei	rubrum) - C			Shrubs:	Silky o Multifl Maleb	tled alder (Alnus dogwood (Cornus ora rose (Rosa n erry (Lyonia ligus	s amon	num) - C a) - C		
Saplings/Lian					Herbs/Fo						
D = Dominan		N/A	:) C = C	ommon (6	25%) \$ = -	Cinna Sedge Skunk Soft ru	tive fern (Onoclea mon fern (Osmur es (Carex spp.) - c cabbage (Symp ush (Juncus effus	nda cin C olocarpi	namome	,	
						oparse (-5 /6)				
		Characteristics (Ci	rcle whe	re appropr	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal:	Subtidal		Irregularly	/ Exposed	
	Saturated	Intermittently Flooded	Artifi Floo	cially ded			Reg. Flooded	1	Irregularly	/ Flooded	
Hydrologic In	dicators:	Silt Deposition	· ·		Water-Sta Leaves		Water Marks				
		Surface Scouring	ng		Drift Lines	3	Drainage Patt	erns			
		Buttressed Tree	es		Depth of Inundation	n:	Depth to Soil \$	Saturat	ion:		
Representativ	e Soil Chara	cteristics:	_	X M	ineral		Organic				
Depth (in)	Horizo	n Texture	ı	Mat	rix Color		Redo	x Featu	ıres/Note	S	
		Area mapped as 3 -	Ridgebu	-		itman soil		-			
River/Stream	Data: N/A		Ridgebu	Per	rennial	itman soil	Intermi	-			
River/Stream Depth @ Cer	Data: N/A	Bank Height:	Ridgebu 	Per	rennial	_		-	cal	Gradual	
River/Stream Depth @ Cer Flow Rate:	Data: N/A	Bank Height:	_	Per	rennial I Width k Configura	_	Intermi	ttent		Gradual Artificial	
	Data: N/A ster: Slow Peat- Muck	Bank Height: Moderate	Fast	Per Channe Ban	rennial I Width k Configura	_	Notes: Undercut	ttent			
River/Stream Depth @ Cer Flow Rate: Substrate %:	Data: N/A ster: Slow Peat- Muck	Bank Height: Moderate	Fast	Per Channe Ban	rennial I Width k Configura vel	tion:	Notes: Undercut	Vertic Bould			

Project: Flag Series: Observers: Date:	300 - 325 /30 T. Ramborg	e Reliability Project 00-316 er/R. Lloyd/J. Berg	Town: erg Weather: Time:					R# W-03-NL-00			 _ _	
Dominant NV	/I Class: PFO				Other NV	VI Cla	sses	: PSS				
Representativ	ve Vegetation (Record Species ar	nd Occu	irrence Per	rcentage):							
Trees: Red	l maple (Acer r	rubrum) – A			Shrubs:	Mı	ultiflo Iky do	ed alder (Alnus ra rose (Rosa i ogwood (Cornu ise barberry (B	multiflo s amo	nra) - C mum) - C) - C	
Saplings/Lian	as:			Herbs/Forbes:								
Gra	y birch (Betula	populifolia) - C				Ca Cii Ph Sk	attails nnam nragn tunk (ve fern (Onocle s (Typha latifolia non fern (Osmunites (Phragmit cabbage (Sympern (Osmunda	a) - C inda ci es aus olocarp	nnamomea tralis) - C		
D = Dominan	t (>50%), A = A	Abundant (26-50%)), C = C	ommon (6-	-25%), S = 3	Spars	e (<5	5%)				
Representativ	ve Hydrologic (Characteristics (Cir	cle whe	re appropr	iate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tida	l:	Subtidal		Irregularly	Exposed	
	Saturated	Intermittently Flooded	Artifi	cially ded		Reg. Flooded			ı	Irregularly Flooded		
Hydrologic In	dicators:	Silt Deposition			Water-Sta			Water Marks				
Also -					Leaves X							
Inundated so	ils	Surface Scourin	g	Drift Lines			Drainage Patterns X					
		Buttressed Tree	s	Depth of Depth to Soil Saturation:								
Representativ	e Soil Charact	teristics:		X M	ineral			Organic	;			
Depth (in)	Horizon	Texture		Mati	rix Color			Redo	x Feat	ures/Notes	;	
Other Soil Ob	servations: An	ea mapped as 3 - F	Ridgebu	ry, Leicest	er, and Wh	tman	soils	, extremely sto	ny			
River/Stream	Data: N/A			Per	ennial			Interm	ittent			
Depth @ Cer		Bank Height:		Channe				Notes:				
Flow Rate:	Slow		ast		k Configura	tion:	_	Undercut	Vert		Gradual	
Substrate %:	Peat- Muck	Silt-Mud S	Sand	Grav	/ei			Cobbles	Boul	lders	Artificial	
Access Route												
~ 650 feet so		Wetland Crossing		Stream C	rossing		Swa	mp Mats Need	led	Notes		
~ obu reet so	utrieast	T IN		T	IN		Y	N				

Project: Flag Series: Observers: Date:	300 – 321 T. Rambo	ate Reliability I	.Berg			Wetland Town: Weather: Time:			R# W-03 anon, CT				-
Dominant NV	VI Class: PS	S				Other NV	VI CI	asses	s: PFO_				
Representati	ve Vegetatio	n (Record Spe	cies and	Occu	rrence Pe	rcentage):							
Trees: nor	ne					Shrubs:			ogwood ora rose (C [FACW] C [FACU]
0 11 11-						11b/F.	_						
Saplings/Liar		r rubrum) C [F	FAC]			Herbs/Fo	S S	kunk phagr ensiti	num mos ve fern (ss (Spha	agnum a sens		C [OBL] C [FACW]
D = Dominar	it (>50%), A	= Abundant (26	6-50%), C	c = Co	ommon (6	-25%), S = \$	Spars	se (<5	5%)				
Representati	ve Hydrologi	Characteristic	cs (Circle	wher	re appropr	riate)							
Non-Tidal:	Perm. Flooded	Semi Perr Flooded			onally ded X		Tida	al:	Subtid	al		Irregularly I	Exposed
	Saturated Intermittently Flooded				cially ded				Reg. Flooded Irregularly		Irregularly i	Flooded	
Hydrologic Ir	dicators:	Silt Depos	ition			Water-Sta Leaves	iined		Water	Marks			
		Surface S	couring			Drift Lines			Draina	ge Patte	erns	- X	
		Buttressed	d Trees			Depth of Inundation	1:		Depth	to Soil S	Satura	tion:	
Representati	ve Soil Char	acteristics:		x	M	lineral			(Organic			
Depth (in)	Horizo	n Te	exture		Mat	rix Color				Redox	k Feat	ures/Notes	
Other Soil O	oservations:	Area mapped a	as 3 - Rid	gebui	ry, Leicest	ter, and Whi	tman	n soils	s, extrem	ely ston	у		
River/Stream	Data: N/A				Per	rennial				Intermit	tent		
Depth @ Ce		Bank Heigh			Channe				Notes:				
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fas			k Configurat	tion:	4	Underco		Verti	ical ders	Gradual Artificial
Substrate %:	Muck	SIII-MUG	Sar	ıu	Gra	vel			CODDIES	•	DOUL	uers	Aruncial
Access Rout	00												
		W-H 1 C		-	01			0				Notes	
~ 1,600 feet		Wetland Cro	ssing N	\dashv	Stream C	rossing		Y	amp Mat	s Neede	ed	Notes	
~ 1,600 feet southeast Y N Y					N Y N				I				

Project: Flag Series: Observers: Date:	300 - 357_	ger/Ryan Lloy				Wetland Town: Weather Time:			R# W-03		6/NU#	W20-4	- - -	
Dominant NV	VI Class: PS	S				Other NV	VI CI	asses	s:					
Representati	ve Vegetation	(Record Spe	cies and Occ	urrer	nce Pe	rcentage):								
Trees:		N/A				Shrubs:	S	ilky do	ed alder ogwood suckle (L	(Cornus	amor	num) - C		
Saplings/Liar	nas:					Herbs/Fo	rbes	i:						
		N/A					S	ensiti kunk	cabbage	Onoclea (Sympl	sens ocarp	ibilis) - A us foetidu nnamomea		
D = Dominan	t (>50%), A =	- Abundant (26	6-50%), C = 0	Comr	non (6	-25%), S =	Spars	se (<5	5%)					
Representati	ve Hydrologic	Characteristic	cs (Circle wh	ere a	ppropr	riate)								
Non-Tidal:	Perm. Flooded	Semi Perr Flooded		asona			Tida	al:	Subtida	al		Irregularly	Exposed	
	Saturated Intermittently Flooded				у		Reg. Flooded					Irregularly Flooded		
Hydrologic In Also	dicators:	Silt Depos	ition			Water-Sta Leaves			Water	Marks				
Inundated so	ils	Surface S	couring			Drift Lines			Draina	ge Patte	rns	Χ		
		Buttressed	d Trees			Depth of Inundation	n:		Depth	to Soil S	atura	tion:		
Representati	ve Soil Chara	cteristics:		х	M	lineral			C	Organic			-	
Depth (in)	Horizo	n Te	exture		Mat	rix Color				Redox	Feat	ures/Note:	3	
Other Soil Ob	oservations: A	Area mapped a	ıs 3 - Ridgeb	ury, I	_eicest	er, and Wh	tman	n soils	, extrem	ely ston	y			
River/Stream	Data: N/A				Per	rennial				Intermit	tent			
Depth @ Cer	nter:	Bank Heigh	nt:	С	hanne	l Width			Notes:					
Flow Rate:	Slow	Moderate	Fast			k Configura	tion:		Undercu		Verti		Gradual	
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grav	vel			Cobbles	5	Boul	ders	Artificial	
Access Route	es													
Nearest Roa	d Crossina	Wetland Cro	ssina	Str	eam C	rossing		Swa	amp Mat	s Needa	d	Notes		
~ 1,600 feet		Y	N	Y	- 3 0	N		Y	pac	N				
						IN I IN								

Project: Flag Series: Observers: Date:	100 – 110	ate Reliability Pr & 200 – 214 ger/R. Lloyd/J. E				Wetland ID: ENSR# W-03-NL-004/ NU# w20-5 Town: Lebanon, CT						- - -	
Dominant NW	/I Class: PS	S				Other NV	VI Cla	sses	: PFO				
Representativ	e Vegetation	n (Record Specie	s and Occ	urrence	e Per	centage):							
Trees: Red	maple (Ace	r rubrum) - A	- -			Shrubs:	Sill Ma	ky do ilebe	ed alder (A ogwood (C rry (Lyonia se barber	Cornus a a ligustr	momu ina) - (ım) - C C	i) - C
Saplings/Lian	as:		_	Japanese barberry (Berberis thunbergii) - C Herbs/Forbes:									
D = Dominant		N/A	- - - - - 50%), C = 0	Commo	ın (6-2	25%), S = 9	Re Cir Se Sp Ski So	ed cannam dges hagn unk of ft rus	ve fern (Or anary gras non fern (O c (Carex sp num moss cabbage (sh (Juncus	ss (Phal Osmund pp.) - C (Sphag Symploo	aris ar a cinn num s carpus	rundinad amomea p.) – C	a) - C
		Characteristics				-	•						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Sea	sonally	/	ate)	Tidal	:	Subtidal		Irr	egularly	Exposed
	Saturated	Intermittentl Flooded		ficially					Reg. Flooded Irregularly Flooded				Flooded
Hydrologic Ind	dicators:	Silt Depositi	on			Water-Sta Leaves			Water M	arks)	(
		Surface Sco				Drift Lines Depth of			Drainage Patterns X Depth to Soil Saturation:				
		Dutilessed	1003			Inundation	n:	Depth to Soil Saturation:					
Representativ	e Soil Chara	cteristics:		_X	Mii	neral	-		Or	ganic			
Depth (in)	Horizo	n Text	ure		Matri	ix Color				Redox F	eatur	es/Note:	S
0 - 8	А	Sandy				YR 3/2							
8 – 20+	Bw	Sandy	loam		10 \	YR 6/2					-		
		Area mapped as	51B - Sutto	on fsl, 2	2-8%	slopes; 60I	B-Can	ton 8	& Charlton	soils, 3	-8% s	lopes;	
& 102-Pootati	uck fsl												
		le River (S-03-N				erennial				ntermitte	nt		
Depth @ Cen		Bank Height:				Width >25		_	Notes:				
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand X			Configurat	tion:		Undercut Cobbles -		/ertica Boulde		Gradual Artificial
Access Route	es .												
		Motland Car -	ina	C+	m ^-	onnin =	- 1	C	mn Mate	Noode -	- 1	Motes	
Nearest Road ~ 1,600 feet v		Wetland Cross		Strea	ın Cr	rossing		Swa Y	mp Mats	Needed N		Notes	
1,000 1001 F			-	<u> </u>		1.,		•					

Town of Columbia, CT

Project: Flag Serie: Observers Date:	s: 3	300 – 305 T. Rambor	ate Reliability	Projec	Kennedy W				ID:		SR# W-0: umbia, C				- - -
Dominant	NWI (Class: PF0)					Other N\	NI CI	asse	s: PSS_				
Represent	ative '	Vegetation	(Record Sp	ecies a	nd Occ	urrer	nce Pe	rcentage):							
Trees: F	Red m	naple (Acer	rubrum) - A					Shrubs:	M	lultiflo	ora rose	(Rosa n	nultiflor	ra) - C	
- Saplings/L	ianas	:						Herbs/Fo	orbes	s:					
- - -	Gray b	oirch (Betul	a populifolia	- C					С	innar	s (Carex mon fern ive fern ((Osmu	nda cin	namomea ibilis) - C) - C
D = Domin	nant (>	>50%), A =	Abundant (2	 26-50%), C = 0	Comr	non (6	-25%), S =	Spars	se (<	5%)				
Represent	ative	Hydrologic	Characterist	ics (Ci	rcle who	ere a	ppropr	iate)							
Non-Tidal:		erm. looded	Semi Per Flooded	m.		sona oded			Tida	al:	Subtid	al	I	Irregularly	Exposed
	S	aturated	Intermitte	ently	Artificially Flooded						Reg. F	looded	1	Irregularly	Flooded
Hydrologic	Indic	ators:	Silt Depo	sition				Water-Sta Leaves	ained		Water	Marks			
			Surface	Scourir	ıg			Drift Lines	Lines Drainage				erns		
			Buttresse	ed Tree	es			Depth of Inundatio	n:		Depth	to Soil S	Saturat	tion:	
Represent	ative	Soil Chara	cteristics:			x	M	ineral			(Organic			
Depth (i	in)	Horizoi	n T	exture			Mat	rix Color				Redo	x Featu	ures/Notes	
									-						
									-						
		ļ							_						
Other Soil	Obse	rvations: A	rea mapped	as 29E	3 - Agav	wam	fsl, 3-8	3% slopes							
River/Strea	am Da	ata: N/A					Per	ennial				Intermi	ttent		
Depth @ C			Bank Heig			C		l Width			Notes:				
Flow Rate:		Slow	Moderate		Fast			k Configura	tion:		Underc		Vertic		Gradual
Substrate	%:	Peat- Muck	Silt-Mud		Sand		Grav	vei			Cobbles	5	Bould	iers	Artificial
Access Ro	outes														
		rossing	Wetland Cr	neeina		Str	eam C	rossing		Su	amn Mat	s Need	he	Notes	
Nearest Road Crossing Wetland Crossing ~1,600 feet west Y N						Y	Jani O	N		Swamp Mats Needed Notes Y N					

Project: Flag Series: Observers: Date:	300 - 312_ T. Rambor	te Reliability Pr	Kennedy		Wetland Town: Weather: Time:		ENS Colu	 _ _				
Dominant NV	/I Class: PS	S		-		Other NV	VI CI	asses	s: PFO			
Representativ	ve Vegetation	(Record Specie	es and Oc	curren	ce Per	centage):						
Trees:		N/A	- - -			Shrubs:	Si	ilky de /itch-l	ed alder (Alnus ogwood (Cornus hazel (Hamamel erry (Lyonia ligus	s amo	mum) - C jiniana) - C	:
Saplings/Lian	as:		_		Herbs/Forbes:							
		N/A	- - - -				S S R W	innan ensiti kunk eed c	s (Carex spp.) - non fern (Osmur ve fern (Onoclea cabbage (Symp canary grass (Ph rass (Scirpus cy	nda ci a sens locarp nalaris	sibilis) - C ous foetidu arundinac	s) - C
D = Dominan	t (>50%), A =	Abundant (26-	50%), C =	Comm	non (6-	·25%), S = \$	Spars	se (<	5%)			
Representativ	e Hydrologic	Characteristics	(Circle w	here a	opropri	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		asona ooded			Tida	al:	Subtidal		Irregularly	Exposed
	Saturated	Intermittentl Flooded	y Artificially Flooded						Reg. Flooded		Irregularly Flooded	
Hydrologic In	dicators:	Silt Depositi	on			Water-Stained Leaves			Water Marks			
		Surface Sco	uring			Drift Lines	;		Drainage Patt	erns		
		Buttressed	Trees			Depth of Inundation	n:		Depth to Soil S	Satura	ition:	
Representativ	e Soil Chara	cteristics:	_	Χ	Mi	ineral			Organic			
Depth (in)	Horizoi	n Tex	ture		Matr	rix Color			Redox	x Feat	ures/Notes	3
Other Soil Ob	servations: A	rea mapped as	29B - Aga	awam f	sl, 3-8	% slopes &	61C	– Ca	anton & Charlton	ı soils,	, 8-15% slo	opes, very stony
River/Stream	Data: N/A		_		_ Per	ennial			Intermi	ttent		
Depth @ Cen		Bank Height:		С		l Width			Notes:			
Flow Rate:	Slow	Moderate	Fast			k Configura	tion:		Undercut	Vert		Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grav	/el			Cobbles	Boul	Iders	Artificial
Access Route	es											
Nearest Road	d Crossing	Wetland Cross	ing	Stre	eam Cı	rossing		Swa	amp Mats Neede	ed	Notes	
~ 1,300 feet v	vest	Υ 1	1	Υ		N		Υ	N			

Project: Flag Series: Observers: Date:	300 - 331	ger/R. Lloyd/			_		Wetland Town: Weather: Time:			R# W-03 umbia, C				 - -
Dominant NV	VI Class: PS	S			-		Other NV	VI C	lasse	s: PFO_				
Representati	ve Vegetation	(Record Spe	ecies ar	nd Occ	urren	ce Pei	rcentage):							
Trees: Red	d Maple (Ace	r rubrum) - C					Shrubs:	S	Silky d Honey	led alder logwood suckle (L ora rose	(Cornus	s amor sp.) -	num) - C C	
Saplings/Liar	nas:						Herbs/Fo			J. G. 1000	. 1000 11		α, σ	
D = Dominan		N/A), C = (Comm	non (6-	.25%), S = \$	9 9	Cinnar Sensit Soft ru Cattail Skunk Sphag	ive fern (sh (Junc s (Typha cabbage num mos	(Osmui Onoclea us effus latifolia e (Symp	nda cir a sens ses) - (i) – C locarp	us foetidu:	
Representati	ve Hydrologic	Characterist	ics (Cir	cle whe	ere a	opropr	iate)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded	lly X		Tid	al:	Subtid	al		Irregularly	Exposed			
	Saturated	Intermitte Flooded	ntly		icially ded	/				Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depo	sition				Water-Sta Leaves		i	Water	Marks			
		Surface S	Scourin	g			Drift Lines	6		Draina	ge Patt	erns	Х	
		Buttresse	d Tree	S			Depth of Inundation	n:		Depth	to Soil \$	Satura	tion:	
Representati	ve Soil Chara	cteristics:			Χ	M	ineral				Organic			
Depth (in)	Horizo	n T	exture			Mati	rix Color				Redo	x Feat	ures/Notes	;
0 - 8 8 - 20+	A Bw		ndy loai ndy loai				YR 3/2 YR 6/2							
Other Soil Ot	oservations: A	Area mapped	rea mapped as 3 - Ridgebury, Leices					itma	n soil:	s, extrem	ely stor	ıy		
River/Stream Data: N/A						_ Per	ennial				Intermi	ttent		
Depth @ Cer	nter:	Bank Heig	ht:		С	hanne	l Width			Notes:				
Flow Rate:	Flow Rate: Slow Moderate						k Configurat	tion:		Underc		Verti		Gradual
Substrate %:	Substrate %: Peat- Silt-Mud Muck						/el			Cobbles	3	Boul	ders	Artificial
Access Route	es													
Nearest Roa	d Crossing	Wetland Cro	ssing		Stre	eam C	rossing		Sw	amp Mat	s Need	ed	Notes	
Adjacent to E		Υ	N		Υ		N		Υ		N			

Project: CT-Interstate Reliability Project Wetland ID: ENSR# W-03-TO-009/NI Flag Series: 300 - 360 Town: Columbia, CT Observers: T. Ramborger/J. Kennedy Weather: Date: 02/08/08 Time:								9/NU#	# W20-9	 				
Dominant NW		c					Other NW	// ()	lacco	» DEO				_
						_		VI CI	lasses	s: PFO				
Representativ Trees: Red	_	r rubrum) - A	cies and	d Occi	urrence	Perc	Shrubs:	S	Silky d Honey	led alder ogwood suckle (l ora rose	(Cornus	s amo	mum) - C - C	
Saplings/Lian	as:						Herbs/Fo	Н	lighbu	erry (Lyo ish bluel				nbosum) - C
								S P R C	Cinnar Sedge: Phragr Reed c Cattail: Skunk	non fern s (Carex nites (Ph canary go s (Typha	(Osmur spp.) - ragmite rass (Phatifolia (Symp	nda ci C es aus nalaris n) – C llocarp	sibilis) - A nnamome stralis) - C arundina ous foetide - C	ea) - C ucea) - C
D = Dominant						Spar	se (<	5%)						
Representativ							ate)							
Non-Tidal:	Perm. Flooded	Semi Peri Flooded	m.	1	sonally ded)			Tida	aı:	Subtid	aı		irregulari	y Exposed
	Saturated	Intermitte Flooded	ntly	Artif	icially oded					Reg. F	looded		Irregulari	ly Flooded
Hydrologic Ind	dicators:	Silt Depos	sition	1			Water-Sta Leaves 2		i	Water	Marks			
Inundated soi	ils	Surface S	couring				Drift Lines			Draina	ge Patt	erns		
Area contains Pool/Amphibion		Buttresse	d Trees				Depth of Inundation	1:		Depth	to Soil S	Satura	ation:	
Representativ	e Soil Chara	cteristics:			Κ	_ Mir	neral			(Organic			
Depth (in)	Horizo		exture		1		x Color				Redox		tures/Note	es
0 - 8 8 - 20+	A Bw		idy loam idy loam				'R 3/2 'R 5/2					-		
Other Soil Ob	servations:	Area manned	ae 3 - P	idaeh	iry I aid	casto	r and Whi	lma	n soils, extremely stony					
River/Stream	•		nnial	undi		, GAUGII	Intermi	_						
Depth @ Cen	iter:	ht:		Cha	nnel '	Width			Notes:					
Flow Rate:	Slow	Moderate		ast			Configurat	ion:		Underc		Vert		Gradual
Substrate %:	Peat- Muck	Silt-Mud	S	and	(Grave	el			Cobble	5	Bou	lders	Artificial
Access Route														
Nearest Road		Wetland Cro			Stream	m Cro				amp Mat		ed	Notes	-
Adjacent to C Road	ards Mill	Y	N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	300 - 309	e Reliability Projecter/J. Kennedy		Wetland Town: Weather Time:	(R# W-03-TO-01 mbia, CT	0/NU#	W20-10	- - -	
Dominant N\	VI Class: PFC				Other N\	VI Cla	sses	s: PSS			
Representati	ve Vegetation	(Record Species ar	nd Occu	ırrence Pe	rcentage):						
	d maple (Acer low birch (Betu	rubrum) - A ıla alleghaniensis) -	С		Shrubs:	Iron	nwo	od (Carpinus ca	roliniar	na) - C	
Saplings/Lia	nas:				Herbs/Fo	orhes:					
		//A			Se Re Ph	ed c ragn	ve fern (Onocle canary grass (Ph nites (Phragmite ebush (Spiraea	nalaris es aust	arundinad ralis) - C	rea) - C	
D = Dominar	nt (>50%), A =	Abundant (26-50%)), C = C	ommon (6	-25%), S =	Sparse	e (<5	5%)			
Representati	ve Hydrologic	Characteristics (Cir	cle whe	ere appropr	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	sonally ded X		Tidal	i:	Subtidal	1	Irregularly	Exposed	
	Saturated	Intermittently Flooded	Artifi Floo	icially ded				Reg. Flooded	1	Irregularly	Flooded
Hydrologic Ir Also –	dicators:	Silt Deposition Surface Scourin			Water-Sta Leaves Drift Lines	Х		Water Marks Drainage Patt			
Elevated roo	t systems	Buttressed Tree	-		Depth of Inundation			Depth to Soil		tion:	
Representati	ve Soil Charac	teristics:		_X Mir	neral	-		Organic			
Depth (in)	Horizon	Texture		Mat	rix Color			Redo	x Featu	ures/Note:	3
Other Soil O	oservations: A	rea mapped as 85B	- Paxto	on & Monta	nuk fsl, 3-8%	slope	es, v	ery stony			
River/Stream	Data: N/A		Per	rennial	-		Intermi	ttent			
Depth @ Ce		Bank Height:	Channe			_	Notes:			T =	
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate F Silt-Mud	Ban Grav	k Configura vel	tion:		Undercut Cobbles	Vertic		Gradual Artificial	
Access Rout	es										
Nearest Roa		Wetland Crossing		Stream C				amp Mats Need	ed	Notes	
~ 1,400 feet	east	Y N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	400 – 403	ger/J. Kenne		_		Wetland Town: Weather: Time:		ENSR# W Columbia,		11/NU	# w20-12	- - -
Dominant NV	VI Class: PS	S				Other NV	/I Cla	asses:				
Representati	ve Vegetation	(Record Spe	ecies and Oc	curre	nce Pe	rcentage):						
Trees:		N/A				Shrubs:	Me	eadowswe	et (Spirae	ea latifo	olia) - C	
Saplings/Liar		N/A	_			Herbs/Fo	Se	edges (Car				
							St	oldenrod (\$ eeplebush ensitive fer	(Spiraea	tomen	itosa) - C	
D = Dominan	t (>50%), A =	Abundant (2	6-50%), C =	Com	mon (6	-25%), S = S	Spars	se (<5%)				
Representati	ve Hydrologic	Characterist	ics (Circle wh	ere a	appropr	iate)						
Non-Tidal:	Perm. Flooded	Semi Per Flooded		asona oded			Tida	l: Sub	tidal		Irregularly	/ Exposed
	Saturated	Intermitte Flooded		ificiall oded				Reg	. Flooded	i	Irregularly	/ Flooded
Hydrologic In	dicators:	Silt Depo	sition			Water-Sta Leaves	ined	Wat	er Marks			
		Surface S	Scouring			Drift Lines		Drai	nage Pat	terns		
		Buttresse	d Trees			Depth of Inundation	1:	Dep	th to Soil	Satura	ition:	
Representati	ve Soil Chara	cteristics:		Х	M	ineral			_ Organic	:		
Depth (in)	Horizo	n T	exture		Mat	rix Color			Redo	x Feat	ures/Note	s
Other Soil Ob	oservations:	Area mapped	as 73C - Cha	ırlton-	-Chatfie	eld complex	, 3-15	5% slopes,	very rock	ку		
River/Stream	Data: N/A		_		Per	ennial			Interm	ittent		
Depth @ Cer		Bank Heig		C		l Width		Note				
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Grav	k Configurat /el	ion:	Cobb		Vert	ical Iders	Gradual Artificial
	1	,	-		•			1		•		
Access Route												
Nearest Road		Wetland Cro			eam C	rossing		Swamp N		led	Notes	
~ 2,000 feet e	east	Υ	N	Υ		N		Υ	N		1	

Project: Flag Series: Observers: Date:	300 - 341	ate Reliability Pro			Wetland I Town: Weather: Time:	Co	ISR# W-03-TO-0 olumbia, CT			
Dominant N	WI Class: PS	S			Other NW	/I Class	ses: PFO			_
Representat	ive Vegetatio	n (Record Species	and Occu	rrence Pe	rcentage):					
Trees: Re	d maple (Ace	r rubrum) - C	- -		Shrubs:	Silky	ckled alder (Alnu dogwood (Corn dowsweet (Spira	us amo	omum) - C	:
Saplings/Lia	nae:		•		Herbs/Fo	rhoe:				
=		N/A	· ·	ommon (6		Sede Stee Reed Spha Woo	ges (Carex spp.) plebush (Spirae d canary grass (l agnum moss (Sp lgrass (Scirpus o	a tome Phalari hagnu	s arundina m sp.) - C	acea) - C
		•		-	-	sparse	(<5%)			
Representat	ive Hydrologi	c Characteristics (Circle wher	re approp	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally ded X		Tidal:	Subtidal		Irregular	ly Exposed
	Saturated	Intermittently Flooded	Artific				Reg. Floode	d	Irregular	ly Flooded
Hydrologic II Also –	ndicators:	Silt Depositio			Water-Sta Leaves	X	Water Marks			
Inundated so	pils	Surface Scou			Drift Lines Depth of Inundation		Drainage Pa		ation:	
					1		-1			
Representat	ive Soil Char	acteristics:	:	X Mii	neral		Organ	ic		
Depth	Horizo	n Textu	ire	Mat	rix Color		Red	lox Fea	tures/Not	es
						-				
Other Soil O	bservations:	Area mapped as 7	'3C - Charli	ton-Chatfi	eld complex	3-15%	slopes, very roo	:kv		
River/Strean		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			rennial	_	-	nittent		
Depth @ Ce	nter:	Bank Height:		1	el Width		Notes:			
Flow Rate:	Slow	Moderate	Fast		k Configurat	ion:	Undercut		tical	Gradual
Substrate %	Peat- Muck	Silt-Mud	Sand	Gra	vel		Cobbles	Воц	ulders	Artificial
Access Rout	es									
Nearest Roa	d Crossina	Wetland Crossin	ng	Stream C	rossing	S	wamp Mats Nee	ded	Notes	

Project: Flag Series: Observers: Date:	300 – 341	ger/J. Kennedy		-	Wetland Town: Weather Time:			SR# W-03 umbia, C		3/NU#	# W20-13	- - -
Dominant NW					Other N\	VI Cla	asses	s: PFO_				
	-	rubrum) - C	and Occi	urrence	Percentage): Shrubs:	Sii Hi Ma	lky d ighbu alebe	led alder ogwood ush blueb erry (Lyon (Salix sp	Cornus erry (Va nia ligus	amoi accinii	mum) -C um corymb	osum) -C
Saplings/Lian	as:				Herbs/Fo	Ph Ca Ci Sa Sp Tu	nragr attail innar ensiti ohag ussoo	s (Typha non fern	latifolia (Osmur Onoclea ss (Spha (Carex) - C nda cii a sens agnum stricta		i) - C
		Abundant (26-50				Spars	se (<	5%)				
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Sea	sonally oded X		Tida	ıl:	Subtida	al		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artif	icially ided				Reg. F	looded		Irregularly	Flooded
Hydrologic Ind Also	dicators:	Silt Deposition			Water-Sta Leaves	Х		Water				
nundated soi Elevated root		Surface Scour Buttressed Tre	-		Drift Lines Depth of Inundatio				ge Patte to Soil S		tion:	
Representativ	e Soil Chara	cteristics:		Χ	Mineral				Organic			
Depth (in)	Horizo	n Textur	е	N	Matrix Color				Redox	(Feat	ures/Notes	1
Other Soil Ob	servations: A	Area mapped as 3	- Ridgebı	ıry, Leic	ester, and Wh	itman	soils	s, extrem	ely ston	ıy		
River/Stream					Perennial				Intermit	tent		
Depth @ Cen		Bank Height:	Foot		nnel Width	tion:	_	Notes:	.+	\/ort	inal	Cradual
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		ank Configura Gravel	uon:		Cobbles		Verti	ders	Gradual Artificial
Access Route		Wetland Crossing	1	Stream	n Crossing		Sw	amp Mat	s Neede	ed	Notes	•
~ 1,200 feet v	Ü	Y N		Υ	N		Υ	,	N			

Project: Flag Series: Observers: Date:	300 – 317	te Reliability Proje		- - -	Wetland Town: Weather: Time:			R# W-03-TO-0			_ _ _
Dominant NV	VI Class: PSS)			Other NV	VI Cla	asses	s:			
Representativ	ve Vegetation	(Record Species a	nd Occ	urrence Pe	rcentage):						
Trees:		I/A			Shrubs:	Hi M	ighbu alebe ultiflo	led alder (Alnus ush blueberry (V erry (Lyonia ligu ora rose (Rosa r wood (Viburnum	accini strina) nultiflo	um coryml - C ra) - C	posum) - C
Saplings/Liar	nas:				Herbs/Fo	rbes	:				
		I/A				Ci	innar	ive fern (Onocle non fern (Osmu ebush (Spiraea	nda ci	nnamome	a) - C
D = Dominan	t (>50%). A =	Abundant (26-50%). C = 0	Common (6	-25%). S = 5	Spars	se (<	5%)			
		Characteristics (Ci			•						
Non-Tidal:	Perm.	Semi Perm.		sonally	late)	Tida	.1.	Subtidal		lane en elevite	· Franced
Non-Tidal:	Flooded	Flooded		oded X		Hda	11:	Subtidai		irregulariy	Exposed
	Saturated	Intermittently Flooded		ficially oded				Reg. Flooded		Irregularly	/ Flooded
Hydrologic In	dicators:	Silt Deposition			Water-Sta Leaves			Water Marks			
		Surface Scouring	ng		Drift Lines	6		Drainage Pati	terns		
		Buttressed Tree	es		Depth of Inundation	n:		Depth to Soil	Satura	ition:	
Representati	ve Soil Charac	cteristics:		X M	lineral			Organic			
Depth (in)	Horizon	Texture	1	Mat	rix Color			Redo	x Feat	ures/Note	S
Other Soil Ob	servations: A	rea mapped as 520	C - Sutto	on fsl, 2-15	% slopes, ex	xtrem	nely s	tony			
River/Stream	Data: N/A			Per	rennial			Interm	ittent		
Depth @ Cer		Bank Height:		Channe				Notes:			
Flow Rate: Substrate %:	Slow Peat-		Fast Sand	Ban Gra	k Configurat	tion:		Undercut	Vert	ical ders	Gradual Artificial
Substrate %:	Muck	Siit-IVIUU	oanu	Gra	vei			Copples	Dou	uers	Artiliciai
Access Route	26							-			
		Matland O		Ctra >			C	aman Mata Na		Nat	
~ 400 feet no		Wetland Crossing Y N		Stream C	rossing		Swa	amp Mats Need N	ea	Notes	
		1.4		1 .	1			1		1	

Project: Flag Series: Observers: Date:	300 - 311_	ger/J. Kenne					Wetland I Town: Weather: Time:			R# W-03 mbia, C	3-TO-015 T	/NU#	# w20-15	_ _ _
Dominant NV	VI Class: PS	S		_			Other NW	/I Cla	asses	:				
Representati	ve Vegetation	(Record Spe	ecies and	d Occi	urrend	ce Perc	entage):							
Trees:		N/A	_				Shrubs:				(Alnus ru Rosa mu			
Saplings/Liar	nas:						Herbs/Fo	rbes						
		N/A						S	ensitiv kunk d	ve fern (cabbage	Onoclea	sens carp	us foetidu	
D = Dominan	t (>50%), A =	- Abundant (2	6-50%),	C = C	Comm	on (6-2	5%), S = S	Spars	se (<5	%)				
Representati	ve Hydrologic	Characterist	ics (Circ	le whe	ere ap	propria	te)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded	m.		sonal ded -			Tida	al:	Subtid	al		Irregularly	Exposed
	Saturated	Intermitte Flooded	ntly	Artif	icially ded					Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depo	sition				Water-Sta Leaves	ined		Water	Marks			
		Surface S	Scouring				Drift Lines			Draina	ge Patter	ns		
		Buttresse	d Trees				Depth of Inundation	1:		Depth	to Soil Sa	atura	tion:	
Representati	ve Soil Chara	cteristics:			ĸ	Min	eral			(Organic			-1
Depth (in)	Horizo		exture				Color					Feat	ures/Note:	<u> </u>
Other Soil Ob	servations: A	Area mapped	as 73C -	Char	Iton-C	Chatfield	d complex,	3-15	5% slo	opes, ve	ry rocky			
River/Stream	Data: N/A					_ Pere	nnial				Intermitte	ent		
Depth @ Cer		Bank Heig			Ch	nannel \				Notes:				
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud		ast and		Bank	Configurat	ion:		Underco Cobbles		Verti Boul		Gradual Artificial
Access Route	Muck	Siit Widd	0.	a. Iu		Siave	•				,	Dour	4010	, admoidi
		Wotland C-	noina		Ctro	om C	ooina		Cura	mn Mat	n Noodes	4	Notes	
Nearest Road		Wetland Cro	N		Y	am Cro	N		Y	пр мат	s Needed	,	Notes	
Willimantic R														

Project: Flag Series: Observers: Date:	300 - 316_	ger/R. Lloyd				Wetland Town: Weather Time:			R# W-03 imbia, C			# w20-16	- - -
Dominant NV	/I Class: PS	S				Other N\	VI CI	asses	S:				
Representativ	ve Vegetation	(Record Spe	cies and	d Occu	irrence Pei	rcentage):							
Trees:						Shrubs:	S	piceb	ed alder ush (Lino ogwood	dera be	nzoin)	,	
Saplings/Liar	as.					Herbs/Fo	- orhes						
						1101003/11	S C Ti C	ensiti attails ussoc innan kunk	s (Typha ck sedge non fern cabbage	latifolia (Carex (Osmu (Symp	a) - C stricta nda cii olocarp	sibilis) - A a) - C nnamomea ous foetidus n sp.) - C	
D = Dominan	t (>50%), A =	Abundant (2	6-50%),	C = C	ommon (6-	-25%), S =	Spars	se (<	5%)				
Representati	ve Hydrologic	Characterist	ics (Circ	le whe	re appropr	iate)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded	m.		sonally ded X		Tida	al:	Subtid	al		Irregularly	Exposed
	Saturated	Intermitte Flooded	ntly	Artifi Floo	cially ded				Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depo	sition			Water-Sta			Water	Marks			
Also –		0	\			Drift Lines			D i	D-#			
Inundated so	ils	Surface S					5			ge Patt			
		Buttresse	d Trees			Depth of Inundatio	n:		Depth	to Soil	Satura	ition:	
Representati	e Soil Chara	cteristics:			_ X M	ineral		_		Organic			
Depth (in)	Horizo		exture			rix Color				Redo	x Feat	ures/Notes	•
O - 20 20+	Oa C		Muck idy loam			2.5/0 YR 4/1							
201		Oui	idy iodin		10	11(4/ 1							
Other Soil Ob	servations: A	Area mapped	as 73C -	- Charl	ton-Chatfie	eld complex	. 3-1	5% sl	ones. ve	erv rock	v		
River/Stream						rennial			х		nittent		
Depth @ Cer		Bank Heig	ht: 1-2'			l Width 5-6			Notes:	_ 1111011	muem		
Flow Rate:	Slow X	Moderate		ast		k Configura			Underci	ut	Verti	ical	Gradual - X
Substrate %:			and -	Grav				Cobbles		Boul	ders	Artificial	
Access Route	Muck	Х											
		Metle	l		Ctro - · · · ·			C		a NI 1		Not	
Nearest Road Adjacent to C		Wetland Cro	ssing		Stream C	rossing		Swa	amp Mat	s Need N	ea	Notes	
Willimantic R		'	IN		'	IN		ļ '		IN			

Project: Flag Series: Observers: Date:	300 – 317 T. Rambo	ate Reliability Proger/R. Lloyd	oject	- - -		Wetland Town: Weather Time:			R# W-03			W20-17	- - -
Dominant NV	/I Class: PF	O/PEM		-		Other NV	VI Cla	asses	s:				
Representativ	ve Vegetation	n (Record Specie	es and Occ	currenc	e Pe	rcentage):							
Trees: Red	I maple (Ace	r rubrum) - C	_			Shrubs:	Sp —	oiceb	ush (Line	dera be	nzoin)	- C	
Saplings/Lian	as:					Herbs/Fo	orbes:	:					
		N/A	- - - -				Se Ci Tu Si Re	ensiti innar ussoc kunk eed c	non fern ck sedge cabbage canary gr	Onoclea (Osmul (Carex (Symp rass (Ph	a sens nda cii stricta locarp nalaris	sibilis) - C nnamomea a) - C ous foetidus arundinac n sp.) - C	s) –C
D = Dominan	t (>50%), A	= Abundant (26-	50%), C = (Commo	on (6	-25%), S = 3	Spars	se (<	5%)				
Representativ	e Hydrologie	c Characteristics	(Circle wh	ere ap	propr	iate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		asonall oded			Tida	ıl:	Subtida	al		Irregularly	Exposed
	Saturated	Intermittentl Flooded		ficially oded					Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depositi	on			Water-Sta Leaves			Water	Marks			
Inundated soi	ils	Surface Sco	uring			Drift Lines	3		Draina	ge Patt	erns		
		Buttressed	Trees			Depth of Inundation	n:		Depth	to Soil :	Satura	tion:	
Representativ	e Soil Chara	acteristics:	_	X	M	ineral				Organic			
Depth (in)	Horizo					rix Color				Redo	x Feat	ures/Notes	i
0 - 8 8 - 20+	C	Mu Sandy				2.5/0 G 5/0						-	
Other Soil Ob	servations:	Area mapped as	3 - Ridgeb	ury, Le	eicest	er, and Wh	itman	soils	s, extrem	ely stor	ny		
River/Stream					ennial		_		Intermi	ttent			
Depth @ Cen		Bank Height:	Foot	Ch		l Width	diam.		Notes:		Mart	inal	Candinal
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Grav	k Configura vel	uon:		Cobbles		Verti	ders	Gradual Artificial
Access Route			1					- !			-		
		Wotland Casas	ina	Ctro	2m C	rossina	- 1	eu-	omo Met	n Nood	od	Notos	
~ 150 feet so		Wetland Cross		Y	aill C	rossing N		Y	amp Mat	N N	eu	Notes	

WETLAND SUMMARY FIELD DATA FORM

Project: Flag Series: Observers: Date:	400 – 413 T. Rambor	te Reliability Pr		- -		Wetland Town: Weather: Time:				3-TO-02		# w20-18	_ _ _
Dominant NW	/I Class: PS	8				Other NV	VI CI	asses	s:				
Representativ	ve Vegetation	(Record Specie	es and Occ	urren	ce Per	rcentage):							
Trees:		N/A	 			Shrubs:	N	lalebe	erry (Lyd	(Cornus onia ligus (Rosa n	strina)		
Saplings/Lian	as:		_			Herbs/Fo	rbes	 i:					
		N/A		Comm	non (6-	·25%), S = \$	S S S	edge: ensiti teeple kunk	s (Cares ve fern ebush (s cabbag	spp.) - (Onoclea Spiraea	C a sens tomen	arundina sibilis) - C stosa) - C ous foetidu	
Representativ	ve Hydrologic	Characteristics	(Circle who	ere ap	propr	iate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonal oded -			Tida	al:	Subtio	ial		Irregulari	y Exposed
	Saturated	Intermittentl Flooded		ficially oded	,				Reg. I	Flooded		Irregulari	y Flooded
Hydrologic Ind Also –	dicators:	Silt Depositi	ion			Water-Sta Leaves			Water	Marks	·		
Inundated soi	ls	Surface Sco	ouring			Drift Lines	3		Draina	age Patt	erns		
		Buttressed	Trees			Depth of Inundation	n:		Depth	to Soil \$	Satura	ition:	
Representativ	re Soil Chara	cteristics:		Χ	M	ineral				Organic			
Depth (in)	Horizor	n Tex	ture		Matr	rix Color				Redo	x Feat	tures/Note	ıs.
0 - 8 8 - 20+	A Bw		ndy loam e sandy clay loam			YR 2/1 YR 5/1					-	-	
Other Soil Ob	servations: A	rea mapped as	3 - Ridgeb	ury, L	eicest	er, and Whi	tmar	n soils	, extren	nely stor	ny		
River/Stream						ennial				Intermi			
Depth @ Cen	ter:	Bank Height:		Cl	nanne	l Width			Notes:				
Flow Rate:	Slow	Moderate	Fast			k Configurat	tion:		Underd		Vert		Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grav	/el			Cobble	s	Bou	Iders	Artificial
Access Route	es												
	Crossing	Wetland Cross	sina	Stre	am C	rossing		Swa	amp Ma	ts Need	ed	Notes	
Nearest Road	Olossing												

Project: Flag Series: Observers: Date:	400 – 405	ger/R. Lloyd					Town: Weather: Time:			SR# W-03 umbia, C		9/NU#	# w20-19	- -
Dominant NV	VI Class: PS	S					Other NV	/I Cla	asse	s:				
Representativ	ve Vegetation	(Record Sp	ecies and C)ccur	rence	Per	centage):							
Trees:		N/A					Shrubs:	Si	ilky d	logwood	(Cornus	amor	mum) - C	
Saplings/Liar		N/A					Herbs/Fo	Se	ensit innar		(Osmur	nda cir	ibilis) - C nnamomea tosa) - C	a) - C
D = Dominan	t (>50%), A =	Abundant (2	 26-50%), C	= Co	mmon	ı (6-	25%), S = S	Spars	se (<	5%)				
Representativ	ve Hydrologic	: Characteris	tics (Circle	wher	e appr	opri	iate)							
Non-Tidal:	Perm. Flooded	Semi Pe Flooded	Seaso	onally			Tida	al:	Subtida	al		Irregularly	Exposed	
	Saturated		Artific						Reg. F	looded		Irregularly	Flooded	
Hydrologic In	dicators:	Silt Depo	sition				Water-Sta	ined		Water	Marks			
Area ponded							Leaves							
an inlet & out (i.e. two culv		Surface					Drift Lines				ge Patt			
		Buttress	ed Trees				Depth of Inundation	1:		Depth	to Soil S	Satura	tion:	
Representati	ve Soil Chara	cteristics:		x		_ Mi	ineral			(Organic			
Depth (in)	Horizo	n 1	Γexture		N	Лatr	ix Color				Redo	Feat	ures/Notes	8
Other Soil Ob	servations: A	Area mapped	as 61B – C	anto	n & Ch	narli	ton soils, 3-	8% s	slope	s, very st	ony			
River/Stream	Data: N/A		_			Per	ennial				Intermi	tent		
Depth @ Cer		Bank Heig					Width			Notes:				
Flow Rate:	Slow	Moderate	Fast				Configurat	ion:		Undercu		Verti		Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	1	G	Grav	rei			Cobbles	·	Boul	uers	Artificial
Access Route	es													
Nearest Road		Wetland Cr	ossina	- 1	Stroom	n C•	rossing		Cı	amp Mat	e Nood	ad .	Notes	
~ 700 feet so		Y Y	N		Y	. 0	N		Y	ump wat	N		140163	
. 00 1001 00		•	1		•				Ŀ.					

Project: Flag Series: Observers: Date:	300 - 305 T. Rambo	ate Reliability		_		Wetland Town: Weather Time:		ENSR# W-03-TO-018/NU# w20-20 Columbia, CT					_ _ _
Dominant NW	/I Class: PS	S				Other N\	VI Cla	asses	s:				
Representativ	ve Vegetatio	n (Record Spe	cies and O	ccurren	ice Pe	rcentage):							
Trees:		N/A				Shrubs:	S	peckl	logwood (led alder ora rose (l	(Alnus rı	ugosa	a) - Ć	
Saplings/Lian	as:					Herbs/Fo	orbes						
		- C				11012071	S	ensiti innar	ive fern (0 mon fern (ebush (S	(Osmun	da cir	namomea	a) - C
D = Dominant	t (>50%). A	= Abundant (26	 6-50%). C =	- Comn	non (6	-25%). S =	Spars	se (<	5%)				
		c Characteristi							,				
Non-Tidal:	Perm.	Semi Peri	-	easona		1	Tida	al:	Subtida	al		Irregularly	Exposed
	Flooded	Flooded		ooded								9,	
	Saturated	Intermitter Flooded		rtificially ooded	у				Reg. Fl	ooded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depos	sition			Water-Sta Leaves			Water	Marks			
		Surface S	couring			Drift Lines	3		Draina	ge Patte	rns		
		Buttresse	d Trees			Depth of Inundatio	n:		Depth t	o Soil S	atura	tion:	
Representativ	ve Soil Chara	acteristics:		Х	M	lineral			0	rganic			
Depth (in)	Horizo	n Te	exture		Mat	rix Color				Redox	Feat	ures/Notes	3
Other Soil Ob	servations:	Area mapped a	as 61B - Ca	nton &	Charl	ton soils, 3-	8% sl	lopes	s, very sto	ony			
River/Stream	Data: N/A				Pei	rennial				Intermitt	ent		
Depth @ Cen	iter:	Bank Heigh	nt:	С	hanne	el Width			Notes:				
Flow Rate:	Slow	Moderate	Fast			k Configura	tion:		Undercu		Verti		Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		Gra	vei			Cobbles		Boul	aers	Artificial
Access Route	es			-									
Nearest Road	Crossing	Wetland Cro	ssing	Str	eam C	rossing		Swa	amp Mats	Neede	d	Notes	
~ 700 feet so		Υ	N	Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	300 – 309 _	e Reliability Projector	Town: Columbia, CT							_ _ _
Dominant NV	VI Class: PFO				Other NV	/I Class	es: PSS_			_
Representativ	ve Vegetation	(Record Species a	and Occu	ırrence Pe	rcentage):					
Trees: Red	i maple (Acer	rubrum) - C			Shrubs:				cinium corym eris thunberg	
Saplings/Lian	nas:				Herbs/Fo	rbes:				
	N	/A				Cinna	amon fern	(Osmunda	ensibilis) - C a cinnamome arpus foetidu	
D = Dominan	t (>50%), A = 1	Abundant (26-50%	6), C = C	ommon (6	-25%), S = S	Sparse (<5%)			
Representativ	ve Hydrologic	Characteristics (C	ircle whe	re appropr	riate)			-		
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal:	Subtida	al	Irregularly	y Exposed
	Saturated	Intermittently Flooded	Artifi Floo	cially ded			Reg. F	looded	Irregularly	y Flooded
Hydrologic In- Area ponded	dicators:	Silt Deposition			Water-Sta Leaves	ined	Water	Marks	•	
		Surface Scouri	ng		Drift Lines		Draina	ge Pattern	S	
		Buttressed Tree	es		Depth of Inundation	1:	Depth	to Soil Sat	uration:	
					"					
Representativ	ve Soil Charac	teristics:		X Mir	neral	_	c	rganic		
Depth (in)	Horizon	Texture			rix Color			Redox F	eatures/Note	s
0 - 6 6 - 20+	A Bw	Sandy loa Sandy loa			YR 2/1 YR 5/2				_	
Other Soil Ob	servations: Ar	ea mapped as 52	C - Sutto	n fsl, 2-15	% slopes, ex	tremely	stony			
River/Stream	Data: N/A			Pei	rennial	_		Intermitte	nt	
	nter:	Bank Height:		Channe			Notes:			
		Moderate	Fast		k Configurat	ion:	Undercu		ertical oulders	Gradual Artificial
Flow Rate:	Slow		Sand	Gran						
Depth @ Cen Flow Rate: Substrate %:		Silt-Mud	Sand	Gra	vel		Cobbies		oulders	Artiliciai
Flow Rate:	Peat- Muck		Sand	Gra	vel		CODDIES		oulders	Attilicial
Flow Rate: Substrate %:	Peat- Muck			Stream C		Sv	wamp Mats		Notes	Atuncial

Project: Flag Series: Observers:	400 – 404 T. Rambo	rger/R. Lloyd		- -	Town Weat	n: ther:		R# W-03-TO-02 umbia, CT			- -
Date:	02/14/08_				Time	:	_				_
Dominant NV	VI Class: PS	S			Othe	r NWI C	lasse	s:			
Representati	ve Vegetation	n (Record Species	and Occ	urrence	e Percentage	e):					
Trees:		N/A			Shrul	bs: N	Aultiflo	ora Rose (Rosa	multifle	ora) - C	
Saplings/Liar	nas:				Herb	s/Forbes	s:				
_		N/A				E	Iderb	erry (Sambucus	sp.) -	C	
D = Dominar	ıt (>50%), A :	= Abundant (26-50)%), C = 0	Commo	on (6-25%), S	- - S = Spar	se (<	5%)			
Representati	ve Hydrologi	Characteristics (Circle whe	ere app	oropriate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded		Tid	al:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded		ficially oded				Reg. Flooded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depositio	n		Water Leave	-Stained	I	Water Marks			
		Surface Scou	ring		Drift L	ines		Drainage Patt	erns	· X	
		Buttressed Tr	rees		Depth Inunda			Depth to Soil	Satura	tion:	
Representati	ve Soil Chara	acteristics:		x	Mineral		_	Organic			
Depth (in)	Horizo	n Textu	re		Matrix Color	r		Redo	x Feat	ures/Notes	3
Other Soil Ol	oservations:	Area mapped as 7	5E - Hollis	s-Chatt	field-Rock O	utcrop c	omple	ex, 15-45% slop	es		
River/Stream	Data: N/A				Perennial			Intermi	ttent		
Depth @ Cer	nter:	Bank Height:		Cha	annel Width			Notes:			
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Bank Config Gravel	uration:		Undercut Cobbles	Verti	ders	Gradual Artificial
Access Rout	es										_
Nearest Roa	d Crossing	Wetland Crossin	ng	Strea	m Crossing		Sw	amp Mats Need	ed	Notes	
~ 200 feet no	rth	Y N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	100 – 111	ate Reliability & 200 - 217_ ger/J. Kenne				Wetland Town: Weather: Time:		ENSR# W-03-TO-023/NU# w20-23 Columbia, CT					
Dominant NW	VI Class: PS	S				Other NV	VI Cla	sses	: PFO_				
Representativ	ve Vegetation	(Record Spe	ecies and	Occurre	ence Perc	entage):							
Trees: Red	i maple (Acer	rubrum) - C	_			Shrubs:	Iro Hiç	nwoo	ed alder od (Carp sh blueb ush (Lind	inus car erry (Va	rolinia: acciniu	na) - C um corymb	oosum) - C
Saplings/Lian	ias:					Herbs/Fo	rbes:						
		N/A					Se Sk Re	nsitiv dges unk o	(Carex cabbage anary gr	Onoclea spp.) - ((Sympl	a sens C locarp	a) - C ibilis) - C us foetidu arundinac	
D = Dominan	t (>50%), A =	Abundant (2	26-50%),	C = Con	nmon (6-2	25%), S = \$	Spars	e (<5	i%)				
Representativ						ite)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded		Seasor Floode			Tidal	:	Subtida	al		Irregularly	Exposed
	Saturated	Intermitte Flooded	ently	Artificia Floode	,				Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depo	sition			Water-Sta Leaves			Water	Marks			
nundated so	ils	Surface S	Scouring			Drift Lines	3		Draina	ge Patte	erns		
		Buttresse	ed Trees			Depth of Inundation	ո։		Depth 1	to Soil S	Satura	tion:	
Representativ	ve Soil Chara	cteristics:		x	Mir	neral			c	rganic			
Depth (in)	Horizo	n T	exture		Matri	x Color				Redox	(Feat	ures/Notes	3
Other Soil Ob	servations: A	rea mapped	as 21A -	Ninigret	& Tisbur	y soils & 1	01 – C	Occur	m fsl				
River/Stream	Data: N/A				Pere	nnial				Intermit	tent		
2		Bank Heig			Channel				Notes:				
	Slow	Moderate	Fa	ist ind	Bank	Configura	tion:		Undercu Cobbles			Gradual Artificial	
Flow Rate:	Peat-	Silt-Mud	34										7 4 41110101
Flow Rate: Substrate %:	Peat- Muck	Silt-Mud	34										, a tinoidi
Depth @ Cen Flow Rate: Substrate %: Access Route Nearest Road	Peat- Muck	Silt-Mud Wetland Cro		s	tream Cro	ossing		Swa	mp Mats	s Neede		Notes	7 u uno cu

Project: Flag Series: Observers: Date:	100 – 11 T. Ramb	state Reliability Project Wetland ID: ENSR# W-03-TO-024/NU# w20-24 5 & 200 - 217 Town: Columbia/Coventry, CT orger/J. Kennedy Weather: Time:								- - -							
Dominant N\	WI Class: P	SS/F	PFO				Other NV	VI CI	asse	s:	(Lyonia ligustrina) - A Idler (Alnus rugosa) - A Idle (Lonicera sp.) - A ood (Cornus amomum) - C ry grass (Phalaris arundinacea) - A arex spp.) - A arex spp.) - C moss (Sphagnum sp.) - C oage (Symplocarpus foetidus) - C fern (Osmunda cinnamomea) - C odge (Carex stricta) - C ibtidal Irregularly Exposed ag. Flooded Irregularly Flooded						
Representat	ive Vegetati	on (F	Record Species	and Occ	urrer	ice Pei	rcentage):										
Trees: Re	d maple (Ad	er ru	ıbrum) – C				Shrubs:	S H	peck loney	led alder (Alnus suckle (Lonicera	rugos a sp.) -	a) - A · A					
Saplings/Lia	nas:						Herbs/Fo	orbes	3:								
		_N//	A					S S S	edge ensit phag kunk innar	s (Carex spp.) - ive fern (Onocle num moss (Sph cabbage (Symp mon fern (Osmu	A a sens agnun blocarp nda ci	sibilis) - C n sp.) - C ous foetidu nnamomea	s) – C				
D = Dominar	nt (>50%), A	(= A	bundant (26-50°	%), C = 0	Comr	non (6-	-25%), S = \$	Spar	se (<	5%)							
Representat	ive Hydrolog	gic C	haracteristics (C	circle who	ere a	ppropr	iate)										
Non-Tidal:	Flooded X Floo					ally		Tida	al:	Subtidal		Irregularly	Exposed				
	Saturated		Intermittently Flooded		iciall ded	у				Reg. Flooded	eg. Flooded Irregularly Flooded						
Hydrologic Ir	ndicators:		Silt Deposition				Water-Sta			Water Marks							
Also –							Leaves	Х									
Inundated so	oils		Surface Scour	ing			Drift Lines	6		Drainage Pati	terns						
		•	Buttressed Tre	ees			Depth of Inundation	n:		Depth to Soil	Satura	ition:					
Representat	ive Soil Cha	racte	eristics:		Χ_	Mir	neral			Organic							
Depth (in)	Horiz	zon	Textur	е		Mati	rix Color			Redo	x Feat	ures/Notes	3				
Other Soil O	bservations	: Are	ea mapped as 17	7 – Timal	wa 8	& Natch	naug soils;	101 -	- Occ	cum fsl; and 102	-Poota	ituck fsl					
River/Stream	n Data: Hop	Rive	er (R3UBH) (S-0	3-TO-00	1)	x_	Perenr	nial		Interm	ittent						
Depth @ Ce			Bank Height: >	5'	С		Width >50			Notes:							
Flow Rate:	Slow		Moderate X	Fast			k Configura	tion:		Undercut - X	Vert		Gradual				
Substrate %	: Peat- Muck		Silt-Mud	Sand X		Grav	/el X			Cobbles	Boul	ders	Artificial				
Access Rout	tes																
Nearest Roa	d Crossing	V	Vetland Crossing	1	Str	eam C	rossing		Sw	amp Mats Need	ed	Notes					
~ 200 feet so		Y	,	-	Υ		N		Υ	N		1					

Town of Coventry, CT

Flag Series: Observers: Date:									VV2U-25	- - -				
Oominant NV	/I Class: PF	0					Other NV	/I Cla	asse	s:				
Representativ	ve Vegetatio	n (Record Sp	ecies and	1 Оссі	urren	ce Pero	centage):							
rees:		N/A					Shrubs:	Н	oney	suckle (L	onicera s	p.) - (0	
_								_						
_								_						
aplings/Lian							Herbs/Fo							
Gre	enbrier (Smi	lax sp.) - C						G	older	nrod (Soli	dago sp.) - C		
_								_						
——) = Dominan	t (>50%). A	= Abundant (26-50%).	C = C	Comm	on (6-2	25%). S = S	 Spars	se (<	5%)				
		c Characteris								-,				
lon-Tidal:	Perm. Flooded	Semi Pe Flooded			sonal			Tida	l:	Subtida	al	li	regularly	Exposed
	Saturated	Intermitte		Artif	icially ded					Reg. FI	looded	li	rregularly	Flooded
lydrologic In	dicators:	Silt Depo	osition				Water-Sta	ined		Water I	Marks			
rea ponded							Leaves							
			Scouring				Drift Lines				ge Patter			
		Buttress	ed Trees				Depth of Inundation	1:		Depth t	o Soil Sa	turati	on:	
						- 1								
	e Soil Char				x		neral			0	rganic			
Depth (in)	Horizo	n -	Texture			Matri	x Color				Redox I	Featu	res/Notes	3
						D::								
other Soil Ob River/Stream		Area mapped	as 305 -	Udor	tnents		omplex, gra	avell	у		Intermitte	ent		
epth @ Cer		Bank Hei	aht.	_	C	nannel			_	Notes:		, IL		
low Rate:	Slow	Moderate		ast	OI		Configurat	ion:	_	Undercu	ıt I	Vertic	al	Gradual
ubstrate %:	Peat- Muck	Silt-Mud		and		Grave				Cobbles		Bould		Artificial
access Route	es		•											
		Motlera	oooir-		C4	om 0	nacine		c	omn Mat	Nocda -		Notes	
learest Road		Wetland Cr	N		Y	am Cr	N		Y	amp Mats	N	-	Notes	
500 1661 110		ı '	1		•		114		•					

Dominant NWI Class: PSS Other NWI Classes: PFO	Project: Flag Series: Observers: Date:	300 - 323_	ger/J. Kennedy			Wetland Town: Weather Time:	(ENSR# W-03 Coventry, CT		NU# w20-26	_
Trees: Red maple (Acer rubrum) - C	Dominant NV	VI Class: PS	3			Other N\	VI Clas	sses: PFO_			_
Silky dogwood (Cornus amonum) - C Honeysuckle (Lonicera sp.) - C Multiflora rose (Rosa multiflora) - C Sensitive fern (Onoclea sensibilis) - C Sphagnum sp.) - C Skunk cabbage (Symplocarpus feelfulus) - C Christmas fern (Polystichum acrostichoides) - C Christmas fern (Polystichum acrostichoides) - C D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Flooded Flooded - X Flooded Flooded - X Flooded Flooded Trigularity Exposed Flooded Reg. Flooded Irregularity Exposed Flooded Flooded Reg. Flooded Irregularity Flooded Hydrologic Indicators: Silt Deposition Water-Stained Leaves - X Also - Water Marks Leaves - X Depth of Depth to Soil Saturation: Inundated soils Surface Scouring Drift Lines Drainage Patterns - X Buttressed Trees Depth of Depth to Soil Saturation: Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 12 C Sandy Ioam 10 YR 3/2 Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony River/Stream Data: N/A Perennial Intermittent Depth Genter: Bank Height: Channel Width Notes: Substrate %: Peat Sow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat Mulck Sand Gravel Cobbies Boulders Artificial Notes: Cobbies Rouders Artificial Caracter Cobbies Rouders Artificial Notes: Cobbies Rouders Ro	Representativ	ve Vegetation	(Record Species	and Occi	urrence P	ercentage):					
Tussock sedge (Carex stricta) - C Sensitive Fern (Onoclea sensibilis) - C Sphagnum moss (Sphagnum sp.) - C Skunk cabbage (Symplocarpus foetidus) - C Christmas fern (Polystichum acrostichoides) - C Christmas fern (Polystichum acrostichoides	Trees: Rec	i maple (Acer				Shrubs:	Sill- Ho Mu	ky dogwood neysuckle (L	(Cornus a onicera s	momum) - C p.) - C	
Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Flooded Reg. Flooded Irregularly Exposed Hydrologic Indicators: Silt Deposition Water-Stained Leaves - X Also - Surface Scouring Drift Lines Drainage Patterns X Buttressed Trees Depth of Inundation: Depth to Soil Saturation: Inundation: Depth to Soil Saturation: Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 12 C Sandy loam 10 YR 3/2 12+ R Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes Tidal: Substidal Irregularly Exposed				v) C = C	Common /		Tus Sei Spl Ski Ch	nsitive fern (hagnum mos unk cabbage ristmas fern	Onoclea s ss (Sphag (Symploo	ensibilis) - C num sp.) - C carpus foetid	us) - C
Non-Tidal: Perm. Flooded Flooded Flooded Flooded Flooded - X Flooded Flood							Sparse	e (<5%)			
Flooded Floo		Perm.	Semi Perm.	Sea	sonally		Tidal	: Subtida	al	Irregular	ly Exposed
Leaves - X		Flooded						Reg. F	looded	Irregular	ly Flooded
Buttressed Trees Depth of Inundation: Depth to Soil Saturation: Inundation: Depth to Soil Saturation: Inundation: Depth to Soil Characteristics: X Mineral Organic Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 12 C Sandy loam 10 YR 3/2 12+ R Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Rearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes								Water	Marks	l	
Representative Soil Characteristics:XMineralOrganic Depth		ils	Surface Scour	ing		Drift Lines	3	Draina	ge Patterr	ns X	
Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 12 C Sandy loam 10 YR 3/2 12+ R	nundated soils		es			n:	Depth	to Soil Sa	turation:		
Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 12 C Sandy loam 10 YR 3/2 12+ R		0 11 01									
O-12 C Sandy loam 10 YR 3/2 12+ R Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony River/Stream Data: N/A Perennial Intermittent Oepth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes							-				
Dither Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Iow Rate: Slow Moderate Fast Bank Configuration: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Rearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes									Redox F		es
Perennial Intermittent Perennial Intermittent				u							
Perennial Intermittent Perennial Intermittent											
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Tiow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes											
Depth @ Center: Bank Height: Channel Width Notes: Tow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Cobstrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Other Soil Ob	servations: A	rea mapped as 3	- Ridgebu	ıry, Leice	ster, and Wh	itman	soils, extrem	ely stony		
Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	River/Stream	Data: N/A		_			-		Intermitte	nt	
Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Muck Access Routes Access Routes Hearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes				Feet						footle of	Overdeed
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes		Peat-					uon:				
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes		I									
0 0 1											
		Ü	Wetland Crossing	1		Crossing		Swamp Mat Y	s Needed N	Notes	

Project: Flag Series: Observers: Date:	Series: 400 – 407 Town: Coventry, CT rvers: T. Ramborger/J. Kennedy Weather: 02/18/08 Time:									- - -	
Dominant NV	/I Class: PE	M/PFO			Other NV	VI Cla	asses	s:			
Representativ	ve Vegetation	(Record Species ar	nd Occu	rrence Per	rcentage):						
Trees:		N/A			Shrubs:	Me	eado	wsweet (Spirae	a latifo	lia) - C	
Saplings/Lian	as:				Herbs/Fo	orbes:	:				
		N/A				Re	eed c	ebush (Spiraea canary grass (P rass (Scirpus cy	halaris	arundinac	ea) - A
D = Dominan	t (>50%), A =	- Abundant (26-50%)	, C = C	ommon (6-	-25%), S = S	Spars	se (<5	5%)			
Representativ	e Hydrologic	Characteristics (Circ	cle whe	re appropr	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally ded X		Tida	l:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artifi					Reg. Flooded		Irregularly	Flooded
Hydrologic In		Silt Deposition			Water-Sta Leaves			Water Marks			
Area identifie Pool/Amphibi		Surface Scouring	9		Drift Lines	;		Drainage Pat	terns		
habitat		Buttressed Trees	5		Depth of Inundation	n:		Depth to Soil	Satura	tion:	
Representativ	e Soil Chara	cteristics:		x M	ineral			Organic	;		
Depth (in)	Horizo	n Texture		Mati	rix Color			Redo	x Feat	ures/Notes	3
Other Soil Ob	servations: A	Area mapped as 3 - F	Ridgebu	ry, Leicest	er, and Whi	tman	soils	s, extremely sto	ny		
River/Stream	Data: N/A			Per	ennial			Interm	ittent		
Depth @ Cer	iter:	Bank Height:		Channe	l Width			Notes:			
Flow Rate: Substrate %:	Slow Peat- Muck		ast Sand	Grav	k Configurat vel	tion:		Undercut Cobbles	Verti		Gradual Artificial
Access Route	es	· · · · · · · · · · · · · · · · · · ·									
Nearest Road		Wetland Crossing Y N		Stream C	rossing		Swa	amp Mats Need	led	Notes	

Project: Flag Series: Observers: Date:	300 – 314 T. Rambo	ate Reliability Projec /288-300 rger/J. Kennedy		ENSR# W-0 Coventry, C			_ _ _			
Dominant N\	WI Class: PF	0			Other NV	VI Cla	asses: PSS_			
Representat	ive Vegetation	n (Record Species a	nd Occ	urrence Pe	rcentage):					
Trees: Re	d maple (Ace	r rubrum) - A			Shrubs:	Iro Ja Gr	ultiflora rose onwood (Carp panese barb ray birch (Be inged Euony	oinus carolini erry (Berberi tula populifoli	ana) - C s thunbergi ia) - C	
Saplings/Lia	nas:				Herbs/Fo	orbes:				
_		N/A				Ci Re	edges (Carex nnamon fern eed canary g ensitive fern ((Osmunda o rass (Phalari	s arundinad	
D = Dominar	nt (>50%), A	= Abundant (26-50%), C = (Common (6	-25%), S = 3	Spars	se (<5%)			
Representat	ive Hydrologi	Characteristics (Cir	cle wh	ere appropr	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tida	l: Subtid	al	Irregularly	Exposed
	Saturated	Intermittently Flooded		ficially oded			Reg. F	looded	Irregularly	Flooded
Hydrologic Ir	ndicators:	Silt Deposition			Water-Sta Leaves		Water	Marks		
		Surface Scourin	g		Drift Lines	3	Draina	ige Patterns		
		Buttressed Tree	s		Depth of Inundation	n:	Depth	to Soil Satur	ation:	
Representati	ive Soil Chara	acteristics:		_XM	lineral		(Organic		
Depth (in)	Horizo	n Texture		Mat	rix Color			Redox Fea	atures/Note	S
0 - 8	A	Sandy loa	m	10	YR 3/2					
0 - 8 A Sandy loar 8 - 20+ Bw Fine sandy loar silt loam				10	YR 5/2				-	
Other Soil O	bservations:	Area mapped as 3 -	Ridgeb	ury, Leicest	ter, and Wh	itman	soils, extrem	nely stony		
River/Stream	n Data: N/A			Per	rennial			Intermittent		
Depth @ Ce	nter:	Bank Height:		Channe	l Width		Notes:			
Flow Rate:	Slow		Fast		k Configura	tion:	Underc		tical	Gradual
Substrate %	Peat-	Silt-Mud	Sand	Gra	vel		Cobble	s Bou	ulders	Artificial
Access Rout		1								1
Nearest Roa	d Crossina	Wetland Crossing		Stream C	rossina		Swamp Mat	s Needed	Notes	
~ 150 feet so		Y N		Υ	N		Υ	N		

Project: Flag Series: Observers: Date:	400 - 419_	ate Reliability Prog		- 	Wetland ID: Town: Weather: Time:	ENSR# W-03-TO-030/NU# w20-29 Coventry, CT					
Dominant NW	/I Class: PF0)			Other NWI	Classe	es:				
Representativ	ve Vegetation	(Record Species	s and Occ	urrence Pe	ercentage):						
	I maple (Acer ow birch (Bet	rubrum) - C ula alleghaniensi	s) - C -		Shrubs:		-hazel (Hamamel ood (Carpinus ca				
Saplings/Lian	iae.		-		Herbs/Forbe				_		
	as.		- - - -			Sedge Christ Phala	es (Carex spp.) - mas fern (Polysti ris (Phalaris arun ush (Juncus effus	chum acı dinacea)		ides) - A	
D = Dominan	t (>50%), A =	Abundant (26-50	0%), C = 0	Common (6	6-25%), S = Spa	arse (<	5%)				
Representativ	ve Hydrologic	Characteristics (Circle whe	ere approp	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X	Ti	dal:	Subtidal	Irre	egularly	Exposed	
	Saturated	Intermittently Flooded	Artif	icially oded			Reg. Flooded	Irre	egularly	Flooded	
Hydrologic In	dicators:	Silt Depositio	n		Water-Staine Leaves	ed	Water Marks				
		Surface Scou	ıring		Drift Lines		Drainage Patte	erns X			
		Buttressed Ti	rees		Depth of Inundation:		Depth to Soil S	Saturation	n:		
Representativ			_		/lineral		Organic				
Depth (in)	Horizor	n Textu	ire	Ma	trix Color		Redox	c Feature	es/Notes	3	
Other Soil Ob	servations: A	rea mapped as 7	5E - Hollis	s-Chatfield	-Rock Outcrop	compl	ex, 15-45% slope	es			
River/Stream	Data: N/A			Pe	rennial		Intermit	ttent			
Depth @ Cen		Bank Height:			el Width		Notes:				
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand	Bar	nk Configuration	1:	Undercut Cobbles	Vertical Boulder		Gradual Artificial	
oupsilate %:	Muck	SIII-IVIUU	Janu	Gra	ivel		Copples	bouldel	10	Aruncial	
Access Route	es										
Access Route		Wetland Crossir	na	Stream C	Crossing	Sw	amp Mats Neede	ad N	Notes		

Project: Flag Series: Observers: Date:				Wetland Town: Weather Time:				3-TO-029 - 		W20-30	 -			
Dominant NV	VI Class: PE	M		_			Other NV	NI Cla	asses	: PFO_				
Representati	ve Vegetation	n (Record Spe	ecies an	d Occi	urren	ce Perc	entage):							
Trees:		N/A	_				Shrubs:	M	ultiflo	ra rose ((Rosa mu	ultiflor	ra) - C	
Saplings/Liar	nas:						Herbs/Fo	orbes:						
 D = Dominan		N/A		, C = C	Comn	non (6-2	25%), S = 1	Ca Sp Ci Tu	attails bhagn innam ussoc	(Typha num mos non fern k sedge	spp.) - A latifolia) ss (Sphag (Osmund (Carex s	- A gnum da cin	namome	a) - C
Representati	ve Hvdrologic	Characterist	ics (Circ	cle whe	ere a	opropria	ite)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded	m.		sona			Tida	ıl:	Subtida	al	I	Irregularly	Exposed
	Saturated Intermittently Flooded Flood ogic Indicators: Silt Deposition				-	′				Reg. F	looded	1	Irregularly	Flooded
Hydrologic Indicators: Silt Deposition							Water-Sta			Water	Marks			
Also -							Leaves							
Inundated so	ils	Surface S	Scouring	9			Drift Lines	3		Draina	ge Patter	rns		
Area Ponded		Buttresse	d Trees	3			Depth of Inundation			Depth	to Soil Sa	aturat	tion:	
Area identifie Pool/Amphibi habitat							mundation	11:						
Representati	ve Soil Chara	cteristics:				Mine	ral			Χ	Organic			
Depth (in)	Horizo	n T	exture			Matrix	Color				Redox	Featu	res/Note:	S
Other Soil	oservations: A	Area mapped	as 18 -	Catde	n & F	reetowr	n soils and	1 109	- Fluv	/aquents	s-Udifluve	ents c	omplex, f	requently
River/Stream	Data: N/A					_ Pere	nnial				Intermitte	ent		
Depth @ Cer		Bank Heig			С	hannel \				Notes:				
Flow Rate: Slow Moderate Fas				1		Configura	tion:		Undercu		Vertic		Gradual	
Substrate %:	Muck	Silt-Mud	S	and		Grave	el			Cobbles	3	Bould	ders	Artificial
Access Route	es				. –									
Nearest Road		Wetland Cro	ssing		Stre	eam Cro	ssing		Swa	mp Mat	s Needed	it	Notes	
Adjacent to F	landers	Υ	N		Υ		N		Υ		N			
River Road														

Project: Flag Series: Observers: Date:	100 – 107;	ate Reliability Pro 200 – 207; & 30 ger/J. Kennedy _	0 – 303 _	- 	Wetland I Town: Weather: Time:			W-03-TO-03 y-Mansfield,		 	
Dominant NV	VI Class: PE	M		-	Other NW	I Clas	ses: F	PFO			
Representativ	ve Vegetation	(Record Species	s and Occ	currence Pe	ercentage):						
Trees: Red	d maple (Ace	rubrum) - C			Shrubs:	_		N/A			
_			-								
_			- -								
Saplings/Lian	nas:				Herbs/For	bes:					
=		N/A	• •				٠.	Carex spp.) - ary grass (Ph		s arundina	cea) - C
D = Dominan	t (>50%), A =	Abundant (26-5	0%), C = (Common (6	6-25%), S = S	parse	(<5%)			
Representativ	ve Hydrologic	Characteristics	Circle wh	ere approp	oriate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		asonally oded X		Tidal:	S	ubtidal		Irregularly	y Exposed
	Saturated	Intermittently		ficially oded			F	eg. Flooded		Irregularly	y Flooded
Hydrologic In	dicators:	Silt Deposition	n		Water-Stai	ned	٧	/ater Marks			
Area flooded		Curfees Con	ula a		Leaves		-	uninana Dati			
		Surface Scot			Drift Lines Depth of			rainage Patt		ation:	
		Buttlessed 1	iees		Inundation			epiii to soii s	Jalui	auon.	
					1		-				
Representativ	ve Soil Chara	cteristics:		_XN	Mineral	_		Organic			
Depth (in)	Horizo	n Textu	ire	Ma	trix Color			Redo	x Fea	tures/Note	S
Other Soil Oh	servations: 4	Area mapped as	109 – Flin	/aquents-I I	difluvents cor	npley	freque	ently flooded			
		antic River (S-03-			Perennial	p.ox,	oqui	Intermi	ttent		
Depth @ Cer		Bank Height:			el Width > 50	_	Ne	ites:	cont		
Flow Rate:	Slow	Moderate X	Fast		nk Configurati	on:		idercut	Ver	ticalX	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		avel			bbles	Воц	Ilders	Artificial
Access Route	es										
Nearest Road		Wetland Crossin	ng	Stream 0	Crossing	- 1	Swam	Mats Need	ed	Notes	
~ 600 feet so		Y N		Υ	N		Y	N			

Town of Mansfield, CT

Project: Flag Series: Observers: Date:	300 – 305 T. Rambor	ger/J. Berg		- -	Wetland I Town: Weather: Time:			R# W-03- sfield, CT				- - -
Dominant NV	VI Class: PEI	М			Other NV	VI Cla	asses	:				
Representati	ve Vegetation	(Record Species	and Occ	urrence Pe	rcentage): A	rea a	active	ly disturb	ed by 4-	-Whee	lers	
Trees:		N/A			Shrubs:			(Salix sp. irch (Betu		ifolia) -	- C	
Saplings/Liar	nas:				Herbs/Fo	rbes	:				_	
		N/A						s (Carex s ebush (Sp			sa) - S 	
D = Dominan	t (>50%). A =	Abundant (26-50	%). C = C	Common (6	-25%). S = S	Spars	se (<5	5%)			_	
					-							
Non-Tidal:	Flooded Flooded X					Tidal: Subtidal Irreg			regularly Exposed			
	Saturated	Intermittently Flooded		Artificially Reg. Flooded Irregularly Flood Flooded						Flooded		
Hydrologic In Area ponded	dicators:	Silt Deposition	1		Water-Sta Leaves	ined		Water N	/larks	ll .		
		Surface Scoul	ing		Drift Lines			Drainag	je Patter	ns		
		Buttressed Tre	ees		Depth of Inundation	n:		Depth to	o Soil Sa	aturatio	on:	
Representati	ve Soil Chara	cteristics:		K M	lineral			0	rganic			
Depth	Horizo	n Textu	е	Mat	rix Color				Redox	Feature	es/Notes	3
0 - 19 19+	C	Sand			YR 5/3 5 Y 5/2					-		
19+		Sand		2.1	5 1 5/2							
Other Soil Of	oservations: A	rea mapped as 3	05 – Udo	thents-Pits	complex a	ravel	lv					
River/Stream		постирров во о			rennial	aven	_	I	ntermitte	ent		
Depth @ Cer		Channe			_	Notes:						
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Ban Gra	k Configurat vel	ion:		Undercu Cobbles		Vertica Boulde		Gradual Artificial
Access Route	es											
Nearest Road	d Crossing	Wetland Crossin	g	Stream C	rossing	T	Swa	mp Mats	Needed	1 1	Notes	
~ 850 feet so	uth	Y N		Υ			Υ		N			

RR tracks abut this area to the south

Project: Flag Series: Observers: Date:	301 – 320			Town: Mansfield, CT Weather: Time:							
Dominant N\	g Series: 301 – 320	-									
Representat	ive Vegetation	n (Record Speci	ies and Occ	urrence l	Percentage):						
Trees: Re	d maple (Ace	r rubrum) - D	 		Shrubs:	Sp	eckled alder	(Alnus rugos	a) - C	abosum) -C	
Saplings/Lia	nas:		_		Herbs/F	orbes:					
		N/A				Cin Spl	namon fern hagnum mos	(Osmunda c ss (Sphagnur	innamome n sp.) -C		
D = Dominar	nt (>50%), A =	= Abundant (26-	50%), C = 0	Common	(6-25%), S =	Sparse	e (<5%)				
Representati	ive Hydrologic	Characteristics	s (Circle wh	ere appro	opriate)						
Non-Tidal:				Tidal	Subtida	al	Irregularl	y Exposed			
	Saturated						Reg. F	looded	Irregulari	y Flooded	
-			tion			ained	Water	Marks			
		Surface Sc	ouring		Drift Lines	S	Draina	ge Patterns			
		Buttressed	Trees			n:	Depth	to Soil Satura	ation:		
Representati	ive Soil Chara	acteristics:			Mineral		х	Organic			
Depth (in)	Horizo	n Tex	ture	N	latrix Color			Redox Fea	tures/Note	es	
Other Soil O	bservations: A	Area mapped as	s 21A - Niniç	gret & Tis	sbury soils, 0-	5% sloj	pes				
River/Stream	n Data: S-03-	ГО-003		F	Perennial	-	x	_ Intermitten	t		
								4 11	I	0	
Flow Rate: Substrate %	: Peat-					ition:					
Access Rout		Wetland Cross	sina	Stream	n Crossing		Swamp Mat	s Needed	Notes		
~ 450 feet so			N	Y	N		Y Y	N	140103		
		L .		1					1		

Project: CT-Interstate Reliability Project				-	Wetland ID: ENSR# W-03-TO-033/NU# w20-34 Town: Mansfield, CT Weather: Time:						_ _ _		
Dominant N\	VI Class:	PFO_					Other NW	/I Cla	asse	s:			
Representat	ve Vegeta	ation (F	Record Species	and Occu	ırrend	ce Per	rcentage):						
Wh	ite oak (C	uercu:	ubrum) - D s alba) - C a alleghaniensis) - C			Shrubs:			bush (Lindera be rberry (Ilex vertion	,		
Saplings/Lia	nae.						Herbs/Fo	- rhes					
——————————————————————————————————————		N//	A				TICIDS/T C	С	inna	mon fern (Osmu gnum moss (Sph			a) - C
D = Dominar	nt (>50%)	A = A	bundant (26-50)	%) C = C	omm	on (6-	-25%) S = S	 Snars	se (<	:5%)			
			haracteristics (C						(-	/			
Non-Tidal:	Perm.	ogic c	Semi Perm.		sonal		late)	Tida	al·	Subtidal		Irregularly	Evposed
Non-ridai.	Flooded	i	Flooded		ded -			Huc	11.	Subtidat		irregularly	Lxposed
	Saturate	ed	Intermittently Flooded					Reg. Flooded		Irregularly	Flooded		
Hydrologic Ir	dicators:		Silt Deposition				Water-Sta	ined		Water Marks			
Mound & Po	ol micro-re	elief					Leaves						
			Surface Scour				Drift Lines			Drainage Pat			
			Buttressed Tre	ees			Depth of Inundation	1:		Depth to Soil	Satura	ition:	
Representat	vo Soil Ch	aaraata	oriotioo:			Min	neral			X Organ	io		
Depth (in)		rizon	Textur				rix Color		_	•		ures/Notes	,
0 - 8		0	Muck				1 2.5/0			rteuc			•
8+		R	-								-	-	
Other Soil O	bservation	ns: Are	a mapped as 17	7 - Timakv	va &	Natch	naug soils an	nd 21	A - I	Ninigret & Tisbu	y soils	, 0-5% slo	pes
River/Stream	n Data: S-	03-TO	-003			_ Per	rennial			X Inter	nittent		
Depth @ Ce			Bank Height:		Cl		el Width			Notes:			
Flow Rate: Substrate %	Slov		Moderate Silt-Mud	Fast Sand X	\perp	Banl	k Configurat	ion:		Undercut Cobbles	Verti	ical ders	Gradual Artificial
Substrate %	Muc		Ont-IVIUD	Sand X		Grav	vel			Coppies	□Oul	uers	Aruncial
Access Rout	es												
Nearest Roa	d Crossin	g V	Vetland Crossing	g	Stre	am C	rossing		Sw	amp Mats Need	ed	Notes	
~ 1,000 feet		_			Υ		N		Υ	N			

Project: Flag Series: Observers: Date:	301 – 320	Lloyd		-	Wetland ID: ENSR# W-03-TO-034/NU# w20-35 Town: Mansfield, CT Weather: Time:					
Dominant NV	/I Class: PS	S			Other NV	VI Cla	sses: PFO			-
Representativ	e Vegetation	(Record Species	and Occu	ırrence	Percentage):					
Trees:		N/A			Shrubs:	Sil Sp Iro	oicebush (Linde ky dogwood (C beckled alder (A onwood (Carpini eadowsweet (Sp	ornus amo Inus rugos us carolinia	mum) - A a) - C ana) - C	
Saplings/Lian	as:				Herbs/Fo	rbes:				
		N/A					welweed (Impa hagnum moss			
D = Dominan	t (>50%), A =	Abundant (26-50	%), C = C	ommon	(6-25%), S = 5	Spars	e (<5%)			
Representativ	e Hydrologic	Characteristics (Circle whe	re appre	opriate)					
Non-Tidal:	presentative Hydrologic Characteristics (Circle where appron- on-Tidal: Perm. Semi Perm. Seasonally Flooded Flooded Flooded Saturated Intermittently Artificially					Tidal	l: Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artifi Floo				Reg. Floo	oded	Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition	1		Water-Sta Leaves	ined	Water Ma	arks		
		Surface Scou	ring		Drift Lines		Drainage	Patterns		
		Buttressed Tr	ees		Depth of Inundation	1:	Depth to	Soil Satura	ation:	
Representativ	e Soil Chara	cteristics:			Mineral		xo	rganic		
Depth (in)	Horizo	n Textu	re	N	Matrix Color	T	F	Redox Feat	tures/Notes	S
0 - 8	0	Mucl	<		N 2.5/0			-	-	
8+	R	-			-			-	-	
Other Soil Ob River/Stream		Area mapped as 1		wa & Na X	tchaug soils ar Perennial	nd 380		l, 3-15% sl termittent	opes	
Depth @ Cen	iter:	Bank Height:		Chan	nel Width		Notes:			
low Rate:	Slow	Moderate	Fast		ank Configurat	ion:	Undercut	Vert	ical	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		Gravel		Cobbles		lders	Artificial
Access Route	es									
Nearest Road	d Crossing	Wetland Crossin	q	Stream	n Crossing	ı	Swamp Mats N	Needed	Notes	
~ 1,600 feet s		Y N	-	Υ			Y			

Project: Flag Serie Observers Date:	eries: 301 – 320				Town:				SR# W-03-TO-03 sfield, CT	35/NU#	w20-36	- - -
Dominant	NWI	Class: PFO_				Other NV	VI Cla	asses	s:			
Represen	tative	Vegetation (F	Record Species an	d Occu	irrence Per	rcentage):						
Trees:	Red n	naple (Acer ru	ubrum) - D			Shrubs:			oush (Lindera be berry (llex vertio			
Saplings/l	_ianas					Herbs/Fo						
- - -		N//	Α						num moss (Sph cabbage (Symp			s) - C
D = Domir	nant (>50%), A = A	.bundant (26-50%)	, C = C	ommon (6-	-25%), S = 5	Spars	se (<	5%)			
Represen	tative	Hydrologic C	haracteristics (Circ	le whe	re appropr	iate)						
Non-Tidal	n-Tidal: Perm. Semi Perm. Flooded Flooded Saturated Intermittently				sonally ded X		Tidal:		Subtidal	Ir	regularly	Exposed
	5	Saturated	Intermittently Flooded	mittently Artificially				Reg. Flooded		lr	regularly	Flooded
Hydrologic	c Indi	cators:	Silt Deposition			Water-Sta Leaves	ined		Water Marks			
Mound &	Pool r	micro-relief	Cunface Cocumine			Drift Lines			Drainage Patt			
			Surface Scouring Buttressed Trees			Depth of	•		Depth to Soil		on:	
				Inundation:			1:	·				
		Soil Characte		_		eral		X Organic				
Depth (0 - 15		Horizon	Texture Muck			rix Color YR 2/1			Redo	x Featu	res/Notes	8
0 - 13	,,	0	IVIUCK		10	11(2/1						
							-					
		ervations: Are	ea mapped as 17 -	Timakı	va & Natch	aug soils; 2	1A -	Ninig	gret & Tisbury so	oils, 0-59	% slopes;	and 38C -
River/Stre	am D	ata: S-03-TO	-004 (A) & S-03-T0	D-005 ((B)X ((A & B)	_ Pe	erenn	ial		Intermitte	nt
Depth @	Cente	r: 6 - 8"	Bank Height:		Channe	l Width			Notes:			
Flow Rate				ast		k Configurat	tion:		Undercut	Vertic		Gradual
Substrate	%:	Peat- Muck	Silt-Mud S	and	Grav	/el			Cobbles	Bould	ers	Artificial
Access R	outes											
Nearest R			Vetland Crossing		Stream C				amp Mats Need	ed	Notes	
~ 1,600 fe	et so	uth Y	N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	301 – 314		oject	Town: Mansfield, CT Weather: Time:								
Dominant N\	Weather:											
Representati	ive Vegetation	n (Record Specie	es and Occ	urrence Pe	ercentage):							
			- S 		Shrubs:					osum) - S		
Saplings/Lia	nas:		_		Herbs/Fort	oes:						
		N/A	_ _					_N/A				
			_ _ _									
D = Dominar	nt (>50%), A	- Abundant (26-5	50%), C = (Common (6	6-25%), S = Sp	oarse (<5%)					
Representat	ive Hydrologi	Characteristics	(Circle wh	ere approp	riate)							
Non-Tidal:			1	Γidal:	Subtida	al	Irregularly	Exposed				
	Saturated						Reg. FI	Flooded				
Hydrologic Ir	ndicators:	Silt Deposition	on			ned	Water I	Marks				
		Surface Sco	ouring		Drift Lines		Drainag	ge Patterns				
		Buttressed 1	Trees				Depth t	o Soil Satura	ation:			
Representat	ive Soil Chara	acteristics:	_	x N	1ineral	_	C	rganic				
Depth (in)	Horizo	n Text	ture	Mat	trix Color			Redox Feat	tures/Notes	i		
Other Soil O 15% slopes	bservations:	Area mapped as	3 - Ridgeb	ury, Leices	ter, and Whitn	nan so	ils, extreme	ely stony and	i 58C - Glo	ucester gsl, 8-		
								Intermittent				
			F4					4 11	No. of	One desert		
Flow Rate: Substrate %						лі				Artificial		
	WIGOR	1					1					
Access Rout	tes											
Nearest Roa		Wetland Cross		Stream C			wamp Mats		Notes			
~ 1,300 feet	northeast	Y	1	Υ	N	Y N						

Project: Flag Series: Observers: Date:	401 – 421 J. Gass/R.	ate Reliability Proj Lloyd			Wetland I Town: Weather: Time:		SR # W-03-TO-0			_ _ _
Dominant NV	VI Class: PS	S			Other NW	'l Classe	es: PFO		Irregularly Exposed Irregularly Flooded Irregu	-
	-	(Record Species	and Occ	urrence Pe	rcentage):					
Trees:		N/A			Shrubs:	Maleb	oush blueberry (V berry (Lyonia ligus owsweet (Spirae	strina) -	- D	oosum) - D
Saplings/Liar	nas:				Herbs/For	bes:				
=		N/A					erry (Rubus flage elebush (Spiraea			
D = Dominan	it (>50%), A =	- Abundant (26-50)%), C = (Common (6	-25%), S = S	parse (<5%)		_	
Representati	ve Hydrologic	Characteristics (Circle wh	ere appropi	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally odedX		Tidal:	Subtidal		rregularly	Exposed
	Saturated	Intermittently Flooded		ficially oded					Flooded	
Hydrologic In	dicators:	Silt Deposition	n		Water-Stai	ned	Water Marks			
Standing wat	er				Leaves					
		Surface Scou	•		Drift Lines		Drainage Patt			
		Buttressed Tr	rees		Depth of Inundation	:	Depth to Soil S	Saturat	ion:	
Representati	ve Soil Chara	cteristics:		_X M	lineral	_	Organic			
Depth (in)	Horizo	n Textu	re	Mat	rix Color		Redo	x Featu	res/Notes	S
Other Soil Ob		\rea mapped as 5	8C - Glou	icester gsl,	8-15% slope	s and 8	6D - Paxton & Mo	ontauk	fsl, 15-25	% slopes,
	ony	Area mapped as 5	8C - Glou		8-15% slope	s and 8	6D - Paxton & Mo		fsl, 15-25	% slopes,
extremely sto River/Stream Depth @ Cer	Data: N/A	Bank Height:	_	Per Channe	rennial el Width	_	Intermi	ttent		
extremely sto River/Stream Depth @ Cer Flow Rate:	Data: N/A nter:	Bank Height:	Fast	Per Channe Ban	rennial el Width k Configurati	_	Intermi Notes: Undercut	ttent	cal	Gradual
extremely sto	Data: N/A nter:	Bank Height:	_	Per Channe	rennial el Width k Configurati	_	Intermi	ttent	cal	
extremely sto River/Stream Depth @ Cer Flow Rate:	Data: N/A nter: Slow Peat- Muck	Bank Height:	Fast	Per Channe Ban	rennial el Width k Configurati	_	Intermi Notes: Undercut	ttent	cal	Gradual
extremely sto River/Stream Depth @ Cer Flow Rate: Substrate %:	Data: N/A nter: Slow Peat- Muck Bes d Crossing	Bank Height:	Fast Sand	Per Channe Ban	rennial el Width k Configurati vel	on:	Intermi Notes: Undercut	Vertic Bould	cal	Gradual

Project: Flag Series: Observers: Date:	Series: 101 – 132 & 201 – 228 vvers: J. Gass/R. Lloyd 02/21/08						SR# W-03-T nsfield, CT_			- - -
Dominant NW	VI Class: PF0)			Other NW	I Classe	s: PSS			
Representativ	ve Vegetation	(Record Species	and Occu	ırrence Pe	rcentage):					
Gre		rubrum) - D nus pennsylvanica ula alleghaniensis			Shrubs:		bush (Linde ood (Carpin			
Saplings/Lian	ias.				Herbs/For	hes:				
		N/A			110103/1 01	Christ	mas fern (P gnum moss			ides) - C
D = Dominan	t (>50%), A =	Abundant (26-50%	6), C = C	ommon (6	-25%), S = S	parse (<	5%)			
Representativ	ve Hydrologic	Characteristics (C	ircle whe	ere appropr	riate)					
Non-Tidal:	Flooded Flooded X					Tidal:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artifi Floo				Reg. Floo	oded	Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition			Water-Stai Leaves	ned	Water Ma	arks		
		Surface Scouri	ng		Drift Lines		Drainage	Patterns		
		Buttressed Tre	es		Depth of Inundation		Depth to	Soil Satur	ation:	
Representativ	ve Soil Chara	cteristics:		Min	neral		_xo	rganic		
Depth (in)	Horizor	n Texture	9	Mat	rix Color		F	Redox Fea	atures/Note:	8
0 - 8	Oa	Muck		10	YR 2/1					
8+	R									
Other Soil Ob	servations: A	rea mapped as 3 -	Ridgebu	ıry, Leicest	er, and Whit	man soil	s, extremely	y stony & 5	58C - Gloud	ester gsl, 8-
River/Stream	Data: S-03-T	O-005		X P	erennial		In	termittent		
Depth @ Cen		Bank Height:		Channe			Notes:			
Substrate %: Peat- Silt-Mud Sand Gra				Bani	k Configurati vel	on:	Undercut		tical ulders	Gradual Artificial
	Muck									
Substrate %:	Muck									
	Muck	Wetland Crossing		Stream C			vamp Mats N		Notes	

Project: Flag Series:		Γ-Intersta 10 304	te Reliability	Projec	ct	-		Wetland Town:	ID:		SR# W-03				
Observers: Date:		Ramborg 2/25/08	jer/J. Stearns	/T. Bı	raman			Weather Time:	:						_ _
Dominant N	WI CI	ass: PFC)					Other NV	NI CI	asse	s:				
Representa	tive Ve	egetation	(Record Spe	cies a	ınd Occı	urren	ce Per	rcentage):							
Trees: W	hite pi	ne (Pinus	strobus) - A					Shrubs:	H -	lighbu	ush blueb	erry (Va	cciniu	um corymb	oosum) - C
_									_						
Saplings/Lia	nas:		I/A					Herbs/Fo	orbes	S:		N/A			
				_					-						
				_					=						
D = Domina	nt (>5	0%), A =	Abundant (2	6-50%	s), C = C	Comm	on (6-	-25%), S =	Spar	se (<	5%)				
Representa	tive H	ydrologic	Characteristi	cs (Ci	rcle whe	ere ap	propr	iate)							
Non-Tidal:	Flooded Flooded Saturated Intermittently				Seasonally Flooded X				Tida	al:	Subtida	al		Irregularly	Exposed
	Sat	turated	Flooded Flooded				,				Reg. F	looded		Irregularly	Flooded
Hydrologic I	ndicat	ors:	Silt Depos	ition				Water-Sta	ained		Water	Marks			
,								Leaves							
			Surface S	courir	ng			Drift Lines	5		Draina	ge Patte	erns		
			Buttresse	d Tree	es			Depth of Inundation	n:		Depth	to Soil S	Satura	tion:	
Representa	tive S	oil Charac	teristics:			_X	M	ineral		_		rganic			
Depth (in)	Horizon	T	exture	1		Mati	rix Color				Redox	Feat	ures/Notes	S
Other Soil C	bserv	rations: A	rea mapped a	as 46l	3 - Woo	dbrid	ge fsl,	2-8% slope	es, ve	ery sto	ony				
River/Stream	n Data	a: N/A					_ Per	erennial				Intermit	tent		
Depth @ Ce	enter:		Bank Heigl	nt:		CI		l Width			Notes:				
Flow Rate: Substrate %	5:	Slow Peat- Muck	Moderate Silt-Mud		Fast Sand		Banl Grav	k Configura /el	tion:		Cobbles		Verti		Gradual Artificial
		NUON	I.												1
Access Rou	tes														
Nearest Roa		ssing	Wetland Cro				am C	rossing			amp Mat		d	Notes	
~ 100 feet e	ast		Υ	N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	100 – 111 8	-	Wetland ID: ENSR# W-03-TO-040/NU# W20-41 Town: Mansfield, CT Weather: Time:							
Dominant NV	VI Class: PFO		Steams/T. Braman Weather:							
Representati	ve Vegetation	(Record Species a	nd Occu	irrence Pe	rcentage):					
Trees: Red	d maple (Acer	rubrum) - A			Shrubs:	Highb	ush blueber	ry (Vaccini	um corymb	
Saplings/Lian	nas:				Herbs/Fo	rbes:				
						Sedge Cinna Phrag	es (Carex sp mon fern (C mites (Phra	pp.) - C Ismunda ci gmites aus	nnamomea stralis) - C	
D = Dominan	it (>50%), A =	Abundant (26-50%), C = C	ommon (6-	-25%), S = S	parse (<	5%)			
Representati	ve Hydrologic	Characteristics (Ci	rcle whe	re appropr	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Seasonally Flooded Flooded - X Intermittently Artificially				Tidal:	Subtidal			
	Saturated	Intermittently Flooded				Reg. Floo	oded	Irregularly	Flooded	
Hydrologic In Area identifie		Silt Deposition					Water Ma	arks		
Pool/Amphibi habitat	ian breeding	Surface Scouring	ng		Drift Lines		Drainage	Patterns -	- X	
Парітат		Buttressed Tree	es			:	Depth to	Soil Satura	ation:	
Representati	ve Soil Charac	teristics:		X M	lineral	_	Org	janic		
Depth (in)	Horizon						F	Redox Feat	tures/Notes	S
0 - 8 8 – 20+	A Bw									
0-201	DW	Salidy loa		10	111 0/2				-	
Other Soil Ob	oservations: Ar	ea mapped as 46E	3 - Wood	lbridge fsl,	2-8% slopes	s, very st	tony			
		ea mapped as 46E	3 - Wood			s, very st		termittent		
River/Stream Depth @ Cer	Data: N/A	Bank Height:		Per	rennial	-	Notes:			
River/Stream Depth @ Cer Flow Rate:	Data: N/A	Bank Height: Moderate	Fast	Per Channe Ban	rennial I Width k Configurati	-	Notes: Undercut	Vert		Gradual
Other Soil Ob River/Stream Depth @ Cer Flow Rate: Substrate %:	Data: N/A	Bank Height: Moderate	Fast	Per Channe Ban	rennial I Width k Configurati	-	Notes: Undercut	Vert		Gradual Artificial
River/Stream Depth @ Cer Flow Rate:	Data: N/A Inter: Slow Peat- Muck	Bank Height: Moderate	Fast	Per Channe Ban	rennial I Width k Configurati	-	Notes: Undercut	Vert		
River/Stream Depth @ Cer Flow Rate: Substrate %:	Data: N/A Inter: Slow Peat- Muck	Bank Height: Moderate	Fast	Per Channe Ban	rennial I Width k Configurati	on:	Notes: Undercut	Vert Boul		

Project: CT-Interstate Reliability Project					Wetland ID: ENSR# W-03-TO-041/NU# W20-4 Town: Mansfield, CT_ Weather: Time:					- -
Dominant NV	VI Class: PF	·O			Other NWI	l Classe	es: PSS			
Representati	ve Vegetatio	n (Record Species	and Occ	urrence Pe	ercentage):					
Trees: Red	d maple (Ace	er rubrum) - A			Shrubs:	Witch	-hazel (Hamame	lis virg	iniana) - A	
Saplings/Liar					Herbs/Forl					
					TIGIDST OIL	Cinna Sensi	amon fern (Osmui itive fern (Onoclea es (Carex spp.) -0	a sens		a) - C
D = Dominan	t (>50%) Δ	= Abundant (26-50	%) C = C	Common (6	3-25%) S = Sr	narse (<5%)			
		ic Characteristics (parse (-570)			
						Tidal:	Subtidal		Irregularly	Evnocod
Non-Huai.	on-Tidal: Perm. Semi Perm. Seasonally Flooded Flooded Flooded)					i iuai.	Sublidai		irregulariy	Exposed
	Saturated	Intermittently Flooded	ficially oded			Reg. Flooded		Irregularly	Flooded	
Hydrologic In	dicators:	Silt Deposition	1		Water-Stair		Water Marks			
Also -					Leaves X					
Elevated root	systems	Surface Scou	•		Drift Lines		Drainage Patt			
Ponded		Buttressed Tr	ees		Depth of Inundation:		Depth to Soil	Satura	tion:	
Representativ	ve Soil Char	acteristics:		X N	Mineral		Organic			
Depth (in)	Horiz		re	Mat	trix Color				ures/Note:	S
,										
Other Soil Ob		61C – Canton & C	harlton so	oils, 8-15%	slopes, very s	stony ar	nd 62C – Canton	& Cha	arlton soils	, 8-15% slopes,
River/Stream	Data: N/A			Pe	rennial		Intermi	ttent		
Depth @ Cer		Bank Height:			el Width		Notes:			
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand	Ban	k Configuration	on:	Undercut Cobbles	Verti	ders	Gradual Artificial
Caballato /0.	Muck	Siit Widd	Juliu	Sia			CODDICG	Doui	4010	, unoidi
Access Route	es									
Nearest Road		Wetland Crossin	g	Stream C		Sv	vamp Mats Neede	ed	Notes	
~ 750 feet we	est	Y N		Υ	N	Υ	N			

Project: Flag Series: Observers: Date:	300 - 314	rger/J. Stearns/T. E	Town: N					R# W-03-TO-04 sfield, CT	12/NU#	# W20-43*	- - -		
Dominant N	WI Class: PF	O/PSS		_	Other NV	VI CI	asses	s:					
Representa	tive Vegetation	n (Record Species	and Occ	urrence Pe	rcentage):								
Trees: Re	ed maple (Ace	r rubrum) - A			Shrubs:			hazel (Hamame ese barberry (Be					
Saplings/Lia	nas:				Herbs/Fo	rbes	::						
		N/A				C	innan edge:	non fern (Osmur s (Carex spp.) - num moss (Sph	С		a) - C		
D = Domina	nt (>50%), A =	- Abundant (26-50	%), C = 0	Common (6	-25%), S = S	Spars	se (<	5%)					
Representa	tive Hydrologic	Characteristics (C	Circle who	ere appropr	riate)								
Non-Tidal:	Flooded Flooded Flooded					Tida	al:	Subtidal		Irregularly	Exposed		
	Saturated	Intermittently Flooded		icially oded				Reg. Flooded	led Irregularly Flooded				
Hydrologic I	ndicators:	Silt Deposition			Water-Sta Leaves			Water Marks					
		Surface Scour	ing		Drift Lines			Drainage Patt	erns				
		Buttressed Tre	ees		Depth of Inundation	1:		Depth to Soil	Satura	tion:			
Representa	tive Soil Chara	acteristics:		X M	lineral			Organic					
Depth (in			e	Mat	rix Color					ures/Note:			
0 - 6	A	Sandy lo			YR 3/2								
6 – 20+	Bw	Sandy Id	am	10	YR 5/1								
		Area mapped as 62	2C - Cant			15%	slope	-					
River/Stream					rennial			Intermi	ttent				
Depth @ Ce		Bank Height:	F1	Channe				Notes:	16-12		0		
Flow Rate: Substrate %	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Gra	k Configurat vel	ion:		Undercut Cobbles	Verti		Gradual Artificial		
Access Rou	tes												
Nearest Ro	ad Crossing	Wetland Crossing	9	Stream C	rossing		Swa	amp Mats Need	ed	Notes			
~ 1.200 feet	west	Y N			N		Υ	N					

Project: Flag Series: Observers: Date:	CT-Interstate 100 – 107 & T.Ramborge 02/25/08	-	Wetland ID: ENSR# W-03-TO-043/NU# W20-43* Town: Mansfield, CT Weather: Time:								
Dominant NV	VI Class: PFO/	PSS			Other NV	VI Cla	sses	S:			
Representati	ve Vegetation (Record Species an	d Occi	ırrence Per	rcentage):						
Trees: Red	d maple (Acer r	ubrum) - A			Shrubs:	Hig	ghbu	ısh bluebe		giniana) - C ium coryml - C	
Saplings/Liar	nas:				Herbs/Fo	orbes:					
D = Dominan		AAbundant (26-50%)	, C = C	ommon (6-	-25%), S = 3	Se Sk Ca Ph Sp	nsiti unk ittails ragn hagr	ve fern (Or cabbage (S s (Typha la nites (Phra num moss	noclea sen Symplocar	pus foetidu stralis) –C	
Representati	ve Hydrologic (Characteristics (Circ	cle whe	ere appropri	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal	:	Subtidal		Irregularly	Exposed
	Saturated Intermittently Artificially Flooded Flooded							Reg. Flo	oded	Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition			Water-Sta	ined		Water M	arks		
Area identifie Pool/Amphib		Surface Scouring	3		Leaves Drift Lines	3		Drainage	Patterns		
habitat		Buttressed Trees	3		Depth of Inundation:			Depth to	Soil Satur	ation:	
Representati	ve Soil Charact	eristics:	>	(M	ineral	-		Org	ganic		
Depth (in)	Horizon	Texture			rix Color				Redox Fea	tures/Note:	3
0 - 8	A	Sandy loar			YR 3/2						
8 – 20+	Bw	Sandy loar	n	10	YR 6/1					-	
Other Soil Ob extremely sto		ea mapped as 17 -	Timak	wa & Natch	aug soils a	nd 620	C - C	Canton & C	harlton so	ils, 8-15% s	lopes,
River/Stream	Data: S-03-TC)-007		X Pe	erennial	_		In	termittent		
Depth @ Cer	nter: 4-8"	Bank Height: 1-3'		Channe	l Width 5 –	10'	T	Notes:			
Flow Rate:	Slow	Moderate F	ast	Bank	k Configura	tion:		Undercut	Ver	tical	Gradual X
Substrate %:	Peat- Muck X		and X	Grav	/el			Cobbles	Воц	ılders	Artificial
Access Route	es										
Nearest Roa		Netland Crossing		Stream C	rossina	-	Swa	amp Mats I	Needed	Notes	
~ 1,500 feet		Y N		Y	N		Y		N	140.03	
		43 combined to	form	w20-43	1					l .	

^{*} W03to042 & W03to043 combined to form w20-43

Project: Flag Series: Observers: Date:	y Project		Wetland Town: Weather: Time:		ENSR# W-03-TO-044/NU# W20-44 Mansfield, CT										
Dominant N\	VI Class: PF	O/PSS					Other NV	VI CI	asses	:					
Representati	ve Vegetatio	n (Record S	ecies ar	nd Occi	urren	ce Per	centage):								
Trees: Re	d maple (Ace	r rubrum) -A					Shrubs:			nazel (Ha ra rose (iniana) - C ra) -C ——		
Saplings/Lia	nas:						Herbs/Fo	rbes							
		Phragmites (Phragmites australis) - A Cinnamon fern (Osmunda cinnamomea) -C Sensitive fern (Onoclea sensibilis) -C Cattails (Typha latifolia) -C Marsh marigold (Caltha palustris) - C								a) -C					
D = Dominar	nt (>50%), A	= Abundant (26-50%)	, C = C	Comm	on (6-	·25%), S = S	Spars	se (<5	5%)					
Representat	ve Hydrologi	c Characteris	stics (Cir	cle whe	ere a	opropri	iate)								
Non-Tidal:	Perm. Flooded	Semi Pe			sona oded			Tida	al:	Subtida	al		Irregularly	Exposed	
	Saturated Intermittently Flooded				Artificially Flooded					Reg. F	looded		Irregularly	Flooded	
Hydrologic Ir	dicators:	Silt Dep	osition	1			Water-Sta	ined		Water	Marks				
Area identifie	ed as Vernal						Leaves	X							
Pool/Amphib	ian breeding	Surface	Scouring	9			Drift Lines			Draina	ge Patt	erns	Х		
habitat		Buttress	sed Trees	3			Depth of Inundation	1:		Depth t	to Soil S	Satura	tion:		
Representati	ve Soil Char	acteristics:			х	Mi	ineral			c	rganic				
Depth (in)	Horizo	n	Texture			Matr	rix Color	Т			Redox	Feat	ures/Notes	3	
								+							
Other Soil O	bservations:	Area mappe	d as 3 - F	Ridgebı	ury, L	eicest.	er, and Whi	tman	n soils	, extrem	ely stor	ıy			
River/Stream	Data: Cona	ntville Brook	(S-03-T0	D-006)		_x	Perennia	al			Intermi	tent			
Depth @ Ce	nter: 3 – 6"	Bank He	ght: 1 – :	3'	С	hanne	I Width 3 − 5	5'		Notes:					
Flow Rate:	Slow	Moderate		ast			k Configurat	ion:		Undercu		Verti		Gradual X	
Substrate %	Peat- Muck	Silt-Mud	8	Sand X		Grav	/el			Cobbles X		Boul	ders	Artificial	
Access Rout															
Nearest Road Crossing Wetland Crossing Stream				eam Crossing Swamp Mats Needed N			Notes								
~ 2,700 feet west Y N			N	Υ			N '		Y N						

Project: CT-Interstate Reliability Project Flag Series: 300 – 306 T. Ramborger/J.Stearns/T. Braman							Wetland Town: Weather Time:				i-TO-045/N CT	U# w20-45	
Dominant N	IWI C	lass: PFO_					Other NV	VI CI	asses	s:			
Representa	tive V	egetation (I	Record Species	and Occ	urren	ce Per	rcentage):						
Trees: Re	ed ma	aple (Acer ru	ubrum) - A				Shrubs:	S	piceb	ush (Lind	Rosa multii dera benzoi erry (Berbei	,	gii) - C
Saplings/Lia	anae.						Herbs/Fo	nrhes					
——————————————————————————————————————	arias.	N/.	A				116103/11	S C S	kunk innar edge	mon fern s (Carex	(Osmunda spp.) - C	rpus foetide cinnamome nsibilis) - C	ea) - C
D = Domina	ant (>5	50%), A = A	bundant (26-50°	%), C = (Comn	non (6-	-25%), S =	Spar	se (<	5%)			
Representa	tive H	lydrologic C	haracteristics (C	Circle wh	ere ai	opropr	iate)						
Non-Tidal:		rm.	Semi Perm.		asona			Tida	al-	Subtida	N.	Irrogulari	y Exposed
Non-ridai.		ooded	Flooded		oded			Tiuc	ai.	Subtide	ai .	irregulari	у Ехрозец
	Saturated Intermittently				ficially oded	′				Reg. F	looded	Irregulari	y Flooded
Hydrologic I	Indica	itors:	Silt Deposition				Water-Sta Leaves	ained		Water I	Marks		
			Surface Scour	ing			Drift Lines	3		Draina	ge Patterns	X	
			Buttressed Tre	ees			Depth of Inundation	n:		Depth t	to Soil Satu	ration:	
			ı										
Representa	tive S	oil Charact	eristics:		_x	M	ineral			c	rganic		
Depth (in	1)	Horizon	Textur	е		Matr	rix Color				Redox Fe	atures/Note	es
								+					
Other Soil C	Obser	vations: Are	ea mapped as 85	iB - Paxt	on &	Monta	uk fsl, 8-15	% slo	opes,	very stor	ıy		
River/Stream							ennial		_	_X	_ Intermitte	nt	
Depth @ Ce	enter:		Bank Height: 1		С		Width 4 –			Notes:			0
Flow Rate: Substrate %	, .	Slow Peat-	Moderate Silt Mud	Fast Sand	-		k Configura	tion:		Undercu		ertical	Gradual X
Substrate %	0.	Peat- Muck	Silt-Mud	Sand		Grav	/ei			Cobbles	Bo	oulders	Artificial
1													1
Access Rou	ıtes												
Nearest Ro		ossina W	Vetland Crossing	1	Stre	am C	rossing		Sw	amn Mate	Needed	Notes	
~ 1.600 feet northeast Y N Y						N		Y	unip iviats	N	140192		
,			1		-		-1		1			-1	

Project: Flag Series: Observers: Date:	100 – 105; T. Rambor 02/27/08	te Reliability Project 200 – 206; & 300 - ger/J. Stearns/T. Bra	305		Wetland ID Town: Weather: Time:	Ma	ansfield, C1	-TO-046/N	U# W20-46	_ _ _
	WI Class: PFC		nd Once	urranaa Bar	Other NWI	Class	es:			-
	ed maple (Acer	(Record Species an rubrum) - A	ia Occi	irrence Per	Shrubs:	Spec Spice	kled alder bush (Lind	Rosa multif (Alnus rugo dera benzoi erry (Berber	sa) - C n) - C	iii) - C
Saplings/Lia		N/A			Herbs/Forl	Cinna Catta Sedg Gold	iils (Typha jes (Carex enrod (Soli	(Osmunda latifolia) -C spp.) - C dago sp.) - (Symploca	С	
D = Domina	nt (>50%), A =	Abundant (26-50%)	, C = C	ommon (6-	-25%), S = Sp	oarse (<5%)			
Representat	ive Hydrologic	Characteristics (Cir	cle whe	ere appropri	iate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X	1	Tidal:	Subtida	al	Irregulari	y Exposed
	Saturated	Intermittently Flooded	Artifi Floo	cially ded			Reg. Fl	ooded	Irregularl	y Flooded
Hydrologic II	ndicators:	Silt Deposition	'		Water-Stair Leaves	ned	Water I			
		Surface Scourin Buttressed Tree			Drift Lines Depth of Inundation:			ge Patterns to Soil Satu		
Representat	tive Soil Chara	cteristics:		X Mi	ineral		C	rganic		
Depth (in)) Horizor	n Texture		Matr	rix Color			Redox Fe	atures/Note	es
Other Soil O	bservations: A	rea mapped as 3 - F	Ridgebu	ıry, Leicest	er, and Whitn	nan so	ils, extreme	ely stony		
River/Stream	n Data: S-03-T	O-010		X Pe	erennial			Intermittent		
Depth @ Ce	enter: 2 – 3"	Bank Height: 1 -	3'	Channe	Width 3 – 5'		Notes:			
Flow Rate: Substrate %	Slow Peat- Muck		ast Sand	Bank Grav	c Configuration	on:	Undercu		rtical ulders	Gradual X Artificial
Access Rou	tes									
Nearest Road Crossing Wetland Crossing Stream C ~ 750 feet northeast Y N Y					pam Crossing Swamp Mats Needed Notes N Y N					

Project: Flag Series: Observers: Date:	CT-Interstat 100 – 108 & T. Ramborg 02/27/08		Wetland ID: ENSR# W-03-TO-047/NU# W20-47 Town: Mansfield, CT Weather: Time:								
Dominant N\	VI Class: PFO	/PSS			Other NV	VI Cla	asses	s: PUB			
Representat	ve Vegetation	(Record Species ar	nd Occurre	ence Pe	rcentage):						
Trees: Re	d maple (Acer	rubrum) -C			Shrubs:			ora rose (Ro			i) - C
Conlines/Lie					Herbs/Fo	-					
Saplings/Lia		//A			Reed canary grass (Phalaris arundinacea) - C Cinnamon fern (Osmunda cinnamomea) - C Skunk cabbage (Symplocarpus foetidus) - C						
D = Dominar	nt (>50%), A =	Abundant (26-50%)	, C = Con	nmon (6	-25%), S = \$	Spars	se (<	5%)			
Representat	ve Hydrologic	Characteristics (Cir	cle where	appropi	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Seasor			Tida	al:	Subtidal		Irregularly	Exposed
	Saturated Intermittently Flooded							Reg. Floo	ded	Irregularly	Flooded
Hydrologic Ir	dicators:	Silt Deposition			Water-Sta Leaves	ined		Water Ma	ırks		
		Surface Scouring	g		Drift Lines	3		Drainage	Patterns		
		Buttressed Trees	5		Depth of Inundation	n:		Depth to	Soil Satur	ation:	
_		'									
Representat	ve Soil Charac	teristics:	X	M	lineral			Org	anic		
Depth (in)	Horizon	Texture		Mat	rix Color			F	Redox Fea	tures/Note:	S
Other Soil O	oservations: Ar	rea mapped as 3 - F	Ridgebury	, Leices	ter, and Whi	itman	soils	s, extremely	stony		
River/Stream	Data: S-03-To	D-011	X	P	erennial			Int	ermittent		
Depth @ Ce		Bank Height: > 5'			el Width 15 -			Notes:			
Flow Rate: Substrate %	Slow Peat- Muck		Sand	Ban Gra	k Configura vel	tion:		Undercut		tical X ulders	Gradual Artificial
Access Rout	es								-		
Nearest Roa	d Crossing	Wetland Crossing	S	tream C	rossing		Swa	amp Mats N	leeded	Notes	
~ 500 feet no		Y N	Y		N		Y	N			
1 14 1											

Project: CT-Interstate Reliability Project Flag Series: 100 -107 & 207 - 209 Observers: T. Ramborger/J. Stearns/T. Braman Date: 02/27/08 Dominant NWI Class: PFO								Wetland Town: Weather Time:			R# W-03		8/NU#	W20-48	_ _ _	
Dominant	NWI Cla	iss: PFC)					Other N\	NI CI	asse	s: PSS_					
Represent	ative Ve	getation	(Record Spe	cies and	d Occi	urren	ce Per	centage):								
Trees: F	Red map	ele (Acer	rubrum) - A	_		Shrubs: Honeysuckle (Lonicera sp.) - A Multiflora rose (Rosa multiflora) - C Japanese barberry (Berberis thunberg								ii) - A		
Saplings/L	ianas:							Herbs/Fo	orhes							
- - -			N/A						C	innaı ensit	ive fern (Onoclea	a sens	nnamome ibilis) - C us foetidu	,	
D = Domin	ant (>50)%), A =	Abundant (2	 6-50%),	C = C	comm	non (6-	25%), S =	Spars	se (<	5%)					
Represent	ative Hy	drologic	Characterist	ics (Circl	e whe	ere a	opropr	iate)								
Non-Tidal:	Perr	m.	Semi Per	m.	Sea	sona	lly		Tida	al:	Subtid	al		Irregulari	y Exposed	
						ded -	- X									
Saturated Intermittently Flooded			ntly	Artificially Flooded						Reg. F	looded		Irregulari	y Flooded		
Hydrologic	Indicato	ors:	Silt Depo	sition	Leav				ained X		Water	Marks				
			Surface S	Scouring	Drift Lines						Draina	ge Patt	erns	Х		
			Buttresse	d Trees				Depth of Inundatio	n:	Depth to Soil Saturation:						
Represent						_X		ineral			(Organic				
Depth (i 0 - 10		Horizon		exture idy loam				rix Color YR 2/1				Redo	K Feat	ures/Note	S	
10 – 20		Bw		idy loam				YR 5/2								
Other Soil	Observa	ations: A	rea mapped	as 3 - Ri	dgebu	ury, L	eicest	er, and Wh	itman	n soil:	s, extrem	ely stor	ny			
River/Strea	am Data	: S-03-T	O-012				_ Per	ennial			_x	_ Intern	nittent			
Depth @ C			Bank Heig			С		l Width 2 –			Notes:					
Flow Rate:		Slow	Moderate		ast	1		k Configura	tion:	_]	Underci		Verti		Gradual X	
Substrate '		Peat- Muck	Silt-Mud	Sa	and		Grav	/el			Cobbles	5	Boul	ders	Artificial	
Access Ro																
						eam C	n Crossing Swamp Mats									
~ 450 feet northeast Y N				IN		Υ		N Y				N				

Project: Flag Series: Observers: Date:	400 – 405	rger/J.Stearns/T.B		Wetland Town: Weather: Time:			R# W-0 sfield, C		∮9/NU‡	# w20-49	 	
Dominant NV	VI Class: PE	M		_	Other NW	VI Cla	asses	s:				
Representati	ve Vegetatio	n (Record Species	and Occu	ırrence Pe	rcentage):							
Trees:		N/A			Shrubs:	Ho	oneys	suckle (I	Lonicera	sp.) -	S	
_												
Saplings/Liar		N/A			Herbs/Fo	Re	eed c		rass (Ph lidago s		arundinad	cea) - D
D = Dominar	t (>50%), A	= Abundant (26-50	%), C = C	ommon (6	-25%), S = S	Spars	se (<5	5%)				
Representati	ve Hydrologi	c Characteristics (Circle whe	ere appropi	riate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tida	ıl:	Subtid	lal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artifi Floo	icially ded				Reg. F	looded		Irregularly	Flooded
Hydrologic In		Silt Deposition	1		Water-Sta Leaves	ined		Water	Marks			
Inundated so	ils	Surface Scou	ring		Drift Lines			Draina	ige Patt	erns		
		Buttressed Tre	-		Depth of Inundation				to Soil		tion:	
Representati	ve Soil Char	acteristics:		X M	lineral				Organic			
Depth (in)	Horizo	on Textu	e.	Mat	rix Color	_			Redo	x Feat	ures/Note	s
0 - 8	Α	Sandy lo	am		YR 2/1					-		
8 – 20+	Bw	Sandy lo	oam	10	YR 5/2				Man	y fine	10 YR 3/3	
Other Soil Ol 15% slopes,		Area mapped as 3	- Ridgebu	ıry, Leicesi	ter, and Whit	tman	soils	, extren	nely stor	ıy & 46	SC - Wood	lbridge fsl, 2-
River/Stream	Data: N/A			Per	rennial				Intermi	ttent		
Depth @ Cer		Bank Height:		Channe				Notes:				•
Flow Rate:	Slow	Moderate	Fast		k Configurat	ion:		Underc		Verti		Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Gra	vel			Cobble	S	Boul	aers	Artificial
Access Rout	es											
Nearest Roa	d Crossing	Wetland Crossin	g	Stream C	rossing		Swa	amp Ma	ts Need	ed	Notes	
~ 150 feet no	rtheast	Y N		Υ	N		Υ		N			
~ 150 feet no	rtheast	Y N		Y	N		Υ		N			

Project: Flag Series: Observers: Date:	300 – 307 T.Ramborg	ate Reliability Proj ger/J. Stearns/T.B		- - -	Wetland ID: ENSR# W-03-TO-050/NU# W20-50 Town: Mansfield, CT						
Dominant NV	VI Class: PF	O/PSS			Other NWI CI	asses	s: PEM			-	
Representati	ve Vegetatior	(Record Species	and Occi	urrence Pe	rcentage):						
Trees: Rec	d maple (Acer	rubrum) - A			Shrubs: S	ilky do	ogwood (C	ornus amoi	num) - C		
Saplings/Liar	nas:				Herbs/Forbes	:					
								Osmunda cii noclea sens		i) - C	
D = Dominan	t (>50%), A =	Abundant (26-50	%), C = C	Common (6-	-25%), S = Spar	se (<5	5%)				
Representati	ve Hydrologic	Characteristics (Circle whe	ere appropr	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	sonally oded X	Tida	al:	Subtidal		Irregularly	Exposed		
	Saturated Intermittently Artificially Flooded Flooded						Reg. Floo	oded	Irregularly	Flooded	
Hydrologic In Area identifie		Silt Deposition	1		Water-Stained Leaves X		Water Ma	arks			
Pool/Amphib		Surface Scou	ring		Drift Lines		Drainage	Patterns	Х		
habitat		Buttressed Tr	ees		Depth of Inundation:		Depth to	Soil Satura	tion:		
Representati	ve Soil Chara	cteristics:		_ X M	ineral		Org	ganic			
Depth (in)	Horizo	n Textu	re	Mat	rix Color		F	Redox Feat	ures/Notes	;	
Other Soil Ot slopes, very		Area mapped as 4	6B - Woo	dbridge fsl,	2-8% slopes, ve	ry sto	ony & 73E	- Charlton-0	Chatfield co	omplex, 15-45%	
River/Stream	Data: S-03-1	TO-013		Per	ennial		_X	Intermittent			
Depth @ Cer		Bank Height: 1			l Width 1 - 2'		Notes:	1 1 1			
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Grav	k Configuration: vel		Undercut	Boul	ders	Gradual Artificial	
Access Route	es d Crossing	Wetland Crossin	g	Stream C			amp Mats N		Notes		
~ 150 feet southwest Y N Y				N Y N							

Project: Flag Series: Observers: Date:	Flag Series: 400 – 407 Observers: T. Ramborger/J. Stearns/T.Brar					Town: N					NU# \	w20-51	_ _ _
Dominant NW	/I Class: PS	S				Other NV	VI Cla	asses	s:				
Representativ	e Vegetation	(Record Spe	cies and Oc	curren	ce Pero	centage):							
Trees:		N/A	_			Shrubs:	G —	ray b	irch (Bet	ula populi	folia)	- S 	
Saplings/Lian	as:					Herbs/Fo	rbes	:					
		N/A					St W Sc Sl	teepl loolg oft ru phag airca	rass (Sci sh (Junc num mos p moss (piraea tor rpis cyper us effuses ss (Sphag Polytrichu	rinus) s) - C num s	- A sp.) - C	-C
D = Dominan	(>50%), A =	Abundant (2	6-50%), C =	Comn	non (6-2	25%), S = 5	Spars	se (<	5%)				
Representativ	e Hydrologic	Characterist	ics (Circle w	here a	ppropria	ate)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded		asona ooded			Tida	al:	Subtida	al	In	regularly	Exposed
	Saturated Intermittently Flooded				1				Reg. F	looded	In	regularly	Flooded
Hydrologic Indicators: Silt Deposition				Water-Stained Leaves X					Water	Marks			
		Surface S	Scouring			Drift Lines	i		Draina	ge Patterr	ns		
		Buttresse	d Trees			Depth of Inundation	1:		Depth	to Soil Sa	turatio	on:	
Representativ	e Soil Chara	cteristics:	_	_x_	Mir	neral				Organic			
Depth (in)	Horizo	n T	exture		Matri	x Color				Redox F	eatur	es/Note	S
0 - 10	С		y very fine idy loam		10 `	Yr 2/1					-		
10+	R*						+						
+ D # ! -	40 40 5	h a da da a a a											
" Depth varies	3 10 – 16 INC	hes in the are	a										
Other Soil Ob	servations: A	Area mapped	as 73C - Ch	arlton-	Chatfiel	ld complex	, 3-1	5% s	lopes, ve	ry rocky			
River/Stream	Data: N/A		_		_ Pere	ennial		_		Intermitte	nt		
Depth @ Cen		Bank Heig		С	hannel				Notes:				
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Grave	Configurat el	tion:		Cobbles		/ertica		Gradual Artificial
Access Route	es .												
Nearest Road	Crossing	Wetland Cro	ssing	Stre	eam Cr	ossing		Swa	amp Mat	s Needed		Notes	
~ 1,000 feet southwest Y N Y					T N		Υ	-	N	-			

Project: Flag Series: Observers: Date:	100 – 104	ate Reliability Pro & 200 – 206 rger/J.Stearns/T.E		-	Wetland II Town: Weather: Time:		nsfield, Cl		IU# W20-52	
Dominant NV	VI Class: PF	0			Other NW	Classe	es: PSS_			-
	-	n (Record Specie: N/A	s and Occu - - -	urrence Pe	rcentage): Shrubs:			ımamelis v onicera sp	irginiana) - A .) - C	
Saplings/Lian		N/A	- - - -		Herbs/Fori	Steep	olebush (S es (Carex		entosa) -A	
D = Dominan	t (>50%), A =	= Abundant (26-5	- 0%), C = C	ommon (6	-25%), S = S _I	parse (<5%)			
Representativ	ve Hydrologic	Characteristics ((Circle whe	re approp	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal:	Subtida	al	Irregularly	Exposed
	Saturated	Intermittently Flooded	Artifi Floo	cially ded			Reg. Fl	ooded	Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition	n		Water-Stair Leaves X		Water I	Marks	'	
		Surface Scot	uring		Drift Lines		Draina	ge Patterns	s X	
		Buttressed T	rees		Depth of Inundation:		Depth t	o Soil Satu	uration:	
Representativ	ve Soil Chara	acteristics:		X N	lineral		C	rganic		
Depth (in)	Horizo		ure	Mai	rix Color			Redox Fe	eatures/Note	s
Other Soil Ob	servations: A	Area mapped as 7	73E - Char	ton-Chatfi	eld complex,	15 – 45	% slopes,	very rocky	,	
River/Stream		_			rennial	_		Intermitten	t	
Depth @ Cen Flow Rate:	nter:	Bank Height: Moderate	Fast		el Width k Configuration	on:	Notes: Undercu	t 1/	ertical	Gradual
Substrate %:		Silt-Mud	Sand	Gra		лI.	Cobbles		oulders	Artificial
Access Route	es			•				*		
Nearest Road	d Crossing	Wetland Crossii	ng	Stream C	rossing	Sv	vamp Mats	Needed	Notes	

Project: Flag Seri	ies:	CT-Intersta 300 – 312	ate Reliability	Projec	:t	-		Wetland Town:			SR# W-03				
Observe			ger/J. Stearns	/T.Bra	aman	-		Weather: Time:		_					-
Dominan	t NW	I Class: PF	O/PSS					Other NV	VI Cla	asse	s:				
Represe	ntativ	e Vegetation	n (Record Spe	cies a	nd Occ	urren	ce Per	centage):							
Trees:	Red	maple (Ace	r rubrum) - D tula alleghanie					Shrubs:	_			_N/A_			
Saplings	/Liana	as:						Herbs/Fo	rbes	:					
			randifolia) - C								es (Carex mon fern			nnamomea)-C
D = Dom	inant	(>50%), A =	- Abundant (2)	 6-50%), C = C	Comm	non (6-	-25%), S = 5	Spars	se (<	:5%)				
Represe	esentative Hydrologic Characteristics (Circle where						propr	iate)							
Non-Tida	Flooded Flooded Flood Saturated Intermittently Artific Flooded Flood drologic Indicators: Silt Deposition								Tida	ıl:	Subtida	al		Irregularly	Exposed
	Saturated Intermittently Flooded						,				Reg. F	looded		Irregularly	Flooded
Hydrolog Also –	ydrologic Indicators: Silt Deposition							Water-Sta Leaves			Water	Marks			
Ponded			Surface S	courin	ng			Drift Lines	;		Draina	ge Patte	erns		
Area con Pool/Am habitat		a Vernal an breeding	Buttresse	d Tree	es			Depth of Inundation	n:		Depth	to Soil S	Satura	tion:	
Represe	ntativ	e Soil Chara	acteristics:			x	M	ineral				Organic			
Depth	(in)	Horizo	n Te	exture			Matr	rix Color	Т			Redox	Feat	ures/Notes	
0 -		A	Fine s					YR 2/1							
2 -		Bw R	Loai	ny sai	na		10	YR 6/1							
Other So	il Obs	servations: A	Area mapped	as 73E	E - Char	lton-(Chatfie	eld complex	, 15 –	- 459	% slopes,	very ro	cky		
River/Str	River/Stream Data: N/A						_ Per	ennial				Intermit	tent		
	epth @ Center: Bank Height:					CI		l Width			Notes:				
	ow Rate: Slow Moderate Fast bstrate %: Peat- Silt-Mud Sand					Bank	k Configurat	tion:		Undercu		Verti		Gradual Artificial	
Oubstrate	Muck Sand			Ourid		Olav	701			CODDICE	,	Doui	4013	7 ti till Cia	
Access F	Route	s													
Nearest	Road	Crossing	Wetland Cro	ssing		Stre	am C	rossing		Sw	amp Mat	s Neede	ed	Notes	
~ 2,000 f			Υ	N		Υ		N		Υ		N			

Project: Flag Series:	300 – 309				Town:			R# W-03-TO-0 sfield, CT		# w20-54	_
Observers: Date:	T. Rambor 02/28/08_	ger/J/ Stearns/T.B	raman		Weather: Time:	:					_
Dominant NV	/I Class: PS	6			Other NV	VI Cla	asses	:: PFO			
Representativ	ve Vegetation	(Record Species	and Occu	ırrence P	ercentage):						
Trees:					Shrubs:	Gr	ray bi	irch (Betula po	pulifolia	a) -C	
						=					
Saplings/Lian	as:				Herbs/Fo	orbes:	:				
						Se Re	edges eed c	ve fern (Onocl s (Carex spp.) anary grass (F ebush (Spiraea	- C Phalaris	arundinac	ea) - C
D = Dominan	t (>50%), A =	Abundant (26-509	ommon ((6-25%), S = \$	Spars	se (<5	5%)				
Representativ	e Hydrologic	Characteristics (C	ircle whe	ere appro	priate)						
Non-Tidal:	Perm. Flooded	sonally ded X		Tida	al:	Subtidal		Irregularly	Exposed		
	Saturated	cially ded				Reg. Floode	d	Irregularly	Flooded		
Hydrologic In	dicators:	Silt Deposition			Water-Sta Leaves			Water Marks	3		
		Surface Scour	ng		Drift Lines	3		Drainage Pa	tterns		
		Buttressed Tre	es		Depth of Inundation	n:		Depth to Soi	l Satura	ation:	
								_			
	e Soil Chara				Mineral			Organi			
Depth (in) 0 - 4	Horizoi	n Texture Sandy lo			0 YR 2/1			Red	ox Feat	tures/Notes	3
4 - 12	Bw	Sandy lo			0 YR 6/1						
12+	R										
		rea mapped as 73	C - Charl			, 3 –	15% :				
River/Stream		erennial		_	Interr	nittent					
Depth @ Cen		Bank Height:			nel Width			Notes:			
Flow Rate:	Slow	Moderate	Fast		nk Configura	tion:		Undercut	Vert		Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Gr	ravel			Cobbles	Bou	Iders	Artificial
Access Route	es										
Nearest Road	d Crossina	Wetland Crossing	. 1	Stream	Crossing	- 1	Swa	amp Mats Nee	ded	Notes	
~ 2,500 feet s	Ü	Y N		Y	N		Y	N		1	

Project: Flag Series:	100 – 115; 2 & 400A – 41			Town:	_	NSR# W-03-TO-0	55/NU#	W20-55	_
Observers: Date:	T. Ramborge 02/28/08	er/J.Stearns/T.Bram	ian	Weather: Time:	_				- -
Dominant N\	VI Class: PFO/	PSS		Other NV	VI Class	ses: PEM			
			d Ossumsans Da						
		Record Species and	a Occurrence Pe	Shrubs:	\A/i4~	h hanal /I lamana	dia visalia	.i\ A	
Trees: Re	d maple (Acer r	ubrum) - A		Stirubs.		h-hazel (Hamame	elis virgir	 	
Saplings/Lia	nas:			Herbs/Fo	rbes:				
	N/	'A			Sens Seds Stee	namon fern (Osmu sitive fern (Onocle ges (Carex spp.) - plebush (Spiraea d canary grass (P	ea sensib · C tomento	oilis) - C	
D = Dominar	nt (>50%), A = A	Abundant (26-50%),	C = Common (6-	-25%), S = S	Sparse	(<5%)			
Representat	ve Hydrologic C	Characteristics (Circ	le where appropr	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Seasonally Flooded X		Tidal:	Subtidal	Ir	regularly	Exposed
	Saturated	Intermittently Flooded	Artificially Flooded			Reg. Flooded	l Ir	rregularly	Flooded
Hydrologic Ir	dicators:	Silt Deposition		Water-Sta Leaves :		Water Marks			
		Surface Scouring		Drift Lines		Drainage Pat	terns 2	X	
		Buttressed Trees		Depth of Inundation	n:	Depth to Soil	Saturati	on:	
Representat	ve Soil Charact	eristics:	x M	lineral		Organic	;		
Depth (in)	Horizon	Texture	Mat	rix Color		Redo	x Featu	res/Notes	;
0 - 8	Α	Sandy loam		YR 2/1					
8 – 20+	Bw	Sandy loam	10	YR 6/1					
Other Soil O	oservations: Are	ea mapped as 85B	- Paxton & Monta	uk fsl, 3-8%	slopes	, very stony			
River/Stream	Data: S-03-TC)-014	Per	rennial		X Inter	mittent		
Depth @ Ce	nter: 3 – 6"	Bank Height: 1 – 3	' Channe	l Width 2 – 3	3'	Notes:			
Flow Rate:	Slow			k Configurat		Undercut	Vertic	al	Gradual X
Substrate %	Peat- Muck	Silt-Mud S	and Grav	vel		Cobbles	Bould	ers	Artificial
Access Rout	es								
Nearest Roa	-	Wetland Crossing	Stream C		S	Swamp Mats Need	led	Notes	
~ 3,300 feet	southwest	Y N	Υ	N	Υ	N		-	

Project: Flag Series: Observers: Date:	100 – 106 T.Rambor 03/03/08_			-	Wetland Town: Weather Time:	:	SR# W-03-TO	-056/NU	# w20-56	- - -
Dominant NV						VI Classe	es: PSS			
	d maple (Ace	n (Record Species a r rubrum) - A	nd Occi	urrence Pe	rcentage): Shrubs: Herbs/Fe	Silky Spec Spice	ysuckle (Lonio dogwood (Cor kled alder (Aln ebush (Lindera	rnus amo	mum) - C sa) - C	
D = Dominar	ıt (>50%), A =	= Abundant (26-50%), C = C	Common (6	-25%), S =	Catta Cinna Marsi Phrag Sens Spha Skun Steep	ock sedge (Ca ills (Typha latif amon fern (Os h marigold (Ca gmites (Phragi itive fern (Ono gnum moss (S k cabbage (Sy olebush (Spira <5%)	rolia) - C munda c altha palu mites aus clea sen Sphagnur mplocar	innamomea ıstris) - C stralis) – C sibilis) – C m sp.) –C pus foetidu	
		Characteristics (Ci			riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artifi	icially ded			Reg. Flood	led	Irregularly	Flooded
Hydrologic In Also –	dicators:	Silt Deposition			Water-Sta Leaves		Water Mar	ks		
Inundated so	ils	Surface Scouring	ng		Drift Line:	5	Drainage F	Patterns -	- X	
Area identifie Pool/Amphibi habitat		Buttressed Tree	es		Depth of Inundatio	n:	Depth to S	oil Satur	ation:	
Representati	ve Soil Chara	acteristics:		XN	lineral		Orga	nic		
Depth (in)	Horizo				rix Color		Re	edox Fea	tures/Note:	S
0 - 8 8 – 20+	A Bw	Sandy loa Sandy loa			YR 2/1 YR 6/1				-	
8 – 20+	DW	Sarity loa		10	11.0/1				-	
		Area mapped as 620				5 – 35% s	-	-	/	
Depth @ Cer		Bank Height: 3 –			Perennial el Width 10	- 20'	Notes:	rmittent		
Debitt @ Cet	Slow		Fast		k Configura		Undercut	Ver	tical	GradualX
Flow Rate:	Substrate %: Peat- Silt-Mud Sand				vel		Cobbles		ilders X	Artificial
Flow Rate: Substrate %:		Silt-Mud								
	Muck	Silt-Mud								
Substrate %:	Muck	Silt-Mud Wetland Crossing		Stream C	Crossing	Su	wamp Mats Ne	eded	Notes	

Project: Flag Ser Observe Date:		300 – 308 _	e Reliability er/J. Stearns			-		Wetland Town: Weather: Time:			SR# W-03 nsfield, C			# w20-57	- - -
Dominar	t NWI	Class: PFO						Other NV	VI CI	asse	s:				
Represe	ntative	Vegetation	(Record Spe	cies an	d Occ	urren	ce Per	centage):							
Trees:	Yellov	maple (Acer w birch (Betu h (Fagus gra	ıla alleghani	ensis) -	С			Shrubs:			bush (Line -hazel (Ha) - C giniana) -C ——	
Saplings	/Liono	o:		_				Herbs/Fo							
Sapilitys			//A					neibs/F0	S	phag	gnum mos mon fern			n sp.) -A nnamome	a) -C
D = Dom	Dominant (>50%), A = Abundant (26-50%), C = Common								Spars	se (<	:5%)				
Represe	ntative	Hydrologic	Characterist	cs (Circ	cle whe	ere ap	opropri	ate)							
Non-Tida	epresentative Hydrologic Characteristics (Circle where appron-Tidal:								Tida	al:	Subtid	al		Irregularly	/ Exposed
	(Saturated	Intermitte Flooded	ntly		ficially oded	′				Reg. F	looded		Irregularly	/ Flooded
Hydrolog	jic Indi	cators:	Silt Depo:	sition				Water-Sta Leaves			Water	Marks			
			Surface S	couring	9			Drift Lines	;		Draina	ge Patte	erns -	- X	
			Buttresse	d Trees	8			Depth of Inundation	1:		Depth	to Soil S	Satura	ation:	
			1												
Represe	ntative	Soil Charac	teristics:			_X	Mi	neral				Organic			
Depth		Horizon		exture				ix Color				Redox		tures/Note	s
0 -		A		dy loan				YR 2/1							
6 – 2	:0+	Bw	San	dy loan	n		10	YR 5/2						-	
Other Sc	oil Obs	ervations: Ar	rea mapped	as 62D	- Cant	ton &	Charlt	on soils, 15	- 35	5% s	lopes, ex	tremely	stony	,	
River/Str	eam D	ata: N/A					_ Per	ennial				Intermit	tent		
Depth @	Cente	er:	Bank Heig	nt:		C	hannel	Width			Notes:				
Flow Rat	te:	Slow	Moderate	F	ast		Bank	Configurat	tion:		Undercu	ut	Vert	ical	Gradual
Substrat	e %:	Peat- Muck	Silt-Mud	S	Sand		Grav	rel			Cobbles	5	Bou	lders	Artificial
Access F	Routes														
, 100000 1															
Nearest	Road (Crossing	Wetland Cro	ssing		Stre	eam Cr	ossing		Sw	amp Mat	s Neede	ed	Notes	

Project: Flag Series: Observers: Date:	100 – 108; 2	e Reliability Proje 200 – 209; 300 – er/J. Stearns/T.B	312; & 30	00A – 306 <i>A</i>	Wetland I Town: Weather: Time:	Mansf	NSR# W-03 ield, CT	3-TO-058/NU	J# W20-58	- - -
Dominant NV	WI Class: PFO				Other NV	/I Clas	ses: PSS_			_
	ive Vegetation	(Record Species rubrum) - D	and Occi	urrence Pe	rcentage): Shrubs:	High	hbush blueb	(Alnus rugos erry (Vaccin nia ligustrina	ium corym	abosum) -C
Saplings/Liai		/A			Herbs/Fo	Stee Catt Woo Sen	tails (Typha olgrass (Sci sitive fern (piraea tome latifolia) -C rpus cyperin Onoclea sen	us) -C	
D = Dominar	nt (>50%), A = 1	Abundant (26-50	%), C = C	common (6	-25%), S = S	Sparse	(<5%)			
Representati	ive Hydrologic	Characteristics (C	Circle whe	ere appropr	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal:	Subtida	al	Irregulari	y Exposed
	Saturated	Intermittently Flooded	Artif Floo	icially ded			Reg. F	looded	Irregulari	y Flooded
Hydrologic Ir	ndicators:	Silt Deposition	1		Water-Sta Leaves 2		Water			
		Surface Scour Buttressed Tre	-		Drift Lines Depth of Inundation			ge Patterns to Soil Satur		
	ive Soil Charac				lineral	_	c	rganic		
Depth (in) 0 - 7	Horizon A	Textur Sandy Id			rix Color YR 2/1			Redox Fea	tures/Note	es
7 – 20+	Bw	Sandy lo			YR 5/2					
Other Soil O	bservations: Ar	ea mapped as 85	5B & 85C	- Paxton 8	Montauk fs	I, 3-15°	% slopes, ve	ery stony		
River/Stream	n Data: N/A			Per	rennial			Intermittent		
Depth @ Cer	nter:	Bank Height:		Channe	l Width		Notes:			
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Ban	k Configurat vel	ion:	Undercu		tical ulders	Gradual Artificial
Access Rout										
		Matland O		Cina C			Number 84 1	Mand: 1	Metri	
Nearest Roa ~ 3.800 feet		Wetland Crossing	y	Stream C	rossing	1	Swamp Mats	N Needed	Notes	
~ 3,800 feet	ιοπneast	T N		Y	N)	T	IN		

Project: Flag Series: Observers: Date:	300 – 3 T.Ramb	03 _ orge	e Reliability			- -		Wetland Town: Weather Time:			SR# W-03 nsfield, C		9/NU‡	# w20-59	
Dominant N	WI Class: I	PFO_						Other NV	VI CI	asse	s:				-
Representa	tive Vegeta	tion (I	Record Spe	cies a	nd Occ	urren	ce Per	rcentage):							
Υe	ed maple (A ellow birch (eech (Fagus	Betul	a alleghani	ensis)	-A			Shrubs:	-			_N/A			
Saplings/Lia	noo:			_				Herbs/Fo	-						
	ilias.	N/.	A					116103/11	С	inna	mon fern Inum mos				эа) -С
D = Domina	Dominant (>50%), A = Abundant (26-50%), C = Common								Spar	se (<	5%)				
Representa	tive Hydrolo	gic C	haracteristi	cs (Ci	rcle wh	ere a	ppropr	iate)							
Non-Tidal:	epresentative Hydrologic Characteristics (Circle where on-Tidal: Perm. Semi Perm. Season Flooded Flooded Flooded								Tida	al:	Subtid	al		Irregulari	ly Exposed
	Flooded Flooded Saturated Intermitte Flooded					ficially oded	/				Reg. F	looded		Irregulari	ly Flooded
Hydrologic I	ndicators:		Silt Depos	sition	'			Water-Sta Leaves			Water	Marks			
			Surface S	courin	ng			Drift Lines	3		Draina	ge Patte	erns		
			Buttresse	d Tree	es			Depth of Inundation	n:		Depth	to Soil S	Satura	tion:	
			'												
Representa	tive Soil Ch	aract	eristics:			_X	M	ineral		_		Organic			
Depth (in		izon		exture				rix Color				Redox		ures/Note	es
0 - 8				dy loa				YR 2/1							
8 - 12 12+	B	w R	San	dy loa	m		10	YR 5/2					-	•	
Other Soil C	bservations	s: Are	ea mapped	as 85E	3 - Paxt	on &	Monta	uk fsl, 3-8%	slop	oes,	very ston	y			
River/Stream	Other Soil Observations: Area mapped as 85B - Pa						_ Per	ennial				Intermit	tent		
Depth @ Ce	enter:		Bank Heig	nt:		С	hanne	l Width			Notes:				
Flow Rate:	Slow	Moderate		Fast		Bank	k Configura	tion:		Underc	ut	Verti	ical	Gradual	
Substrate %	: Peat- Muck		Silt-Mud		Sand		Grav	/el			Cobbles	3	Boul	ders	Artificial
Access Rou	tes														
Nearest Roa	ad Crossino	ı V	Vetland Cro	ssina		Stre	eam Ci	rossing		Sw	amp Mat	s Neede	ed	Notes	
~ 3,500 feet		Y		N		Y		N		Y	,	N			
3,300 1661	northeast	'	1	174				14		<u>'</u>		178		-	

Project: Flag Series: Observers: Date:	400 – 405	ate Reliability Pro ger/J.Stearns/T.I		- -		Wetland Town: Weather: Time:			# W-03	T)/NU#	#w20-60	_ _ _
Dominant NV	VI Class: PS	S				Other NV	VI Cla	asses:					
Representati	ve Vegetation	(Record Specie	s and Occ	urren	ce Pe	rcentage):							
Trees:		N/A	- - -			Shrubs:				dera ben (Rosa mi			
Saplings/Liar			-			Herbs/Fo							
		N/A	- - -				S	ensitive	e fern (sens	nnamome ibilis) - C	a) -C
D = Dominan	t (>50%), A =	- Abundant (26-5	- 0%), C = 0	Comm	non (6	-25%), S = \$	Spars	se (<5%	%)				
Representati	ve Hydrologic	Characteristics	(Circle who	ere a	opropr	iate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sona oded			Tida	al:	Subtida	al		Irregularly	/ Exposed
	Saturated	Intermittently Flooded		ficially oded	′				Reg. F	looded		Irregularly	/ Flooded
Hydrologic In	dicators:	Silt Deposition	n			Water-Sta Leaves			Water	Marks			
		Surface Sco	uring			Drift Lines			Draina	ge Patte	rns	Х	
		Buttressed T	rees			Depth of Inundation	1:		Depth	to Soil S	atura	tion:	
Representati	ve Soil Chara	cteristics:		_X	M	ineral				Organic			
Depth (in)	Horizo	n Text	ıre			rix Color				Redox	Feat	ures/Note	s
0 - 9 9 - 20+	A Bw	Sandy Sandy				YR 2/1 YR 6/1							
Other Soil Ob	servations: A	Area mapped as	85B - Paxt	on &	Monta	uk fsl, 3-8%	slop	es, ver	ry stony	у			
River/Stream						ennial				Intermitt	ent		
Depth @ Cer		Bank Height:	Foot	С		l Width			lotes:		1/044		Creduci
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Grav	k Configura	ion:		Jndercu Cobbles		Verti Boul		Gradual Artificial
Access Route	es												
Nearest Road	d Crossing	Wetland Crossi	ng	Stre	eam C	rossing		Swan	np Mat	s Neede	d	Notes	
~ 1,200 feet r	northeast	Y N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	100 – 107	ate Reliability F & 200 - 207 rger/J.Stearns/		- -		Wetland Town: Weather: Time:			SR# W-03 isfield, C	3-TO-061/N Γ	IU# W20-6	1
Dominant NV	VI Class: PF	0		-		Other NV	VI CI	asse	s: PSS_			_
Representati	ve Vegetation	n (Record Spec	cies and Oc	currenc	ce Per	centage):						
Trees: Red	d maple (Ace	r rubrum) - A				Shrubs:				erry (Berbe onicera sp		gii) -A
Saplings/Liar	nas:		_			Herbs/Fo	- orhes					
						Tiol Davi G	C	innar ensiti	ive fern ((Osmunda Onoclea se ss (Sphagn	ensibilis) - C	
D = Dominar	nt (>50%), A	= Abundant (26	-50%), C =	Comm	on (6-2	25%), S = S	Spars	se (<	5%)			
Representati	ve Hydrologi	c Characteristic	s (Circle wh	nere ap	propri	ate)						
Non-Tidal:	Perm. Flooded	Semi Perm Flooded		asonall oded -			Tida	al:	Subtida	al	Irregula	rly Exposed
	Saturated	Intermitten Flooded		ificially oded					Reg. F	looded	Irregula	rly Flooded
Hydrologic In	dicators:	Silt Deposi				Water-Sta Leaves	Х		Water			
		Surface So	couring			Drift Lines			Draina	ge Patterns	s X	
		Buttressed	Trees			Depth of Inundation	1:		Depth	to Soil Satu	ıration:	
Representati	ve Soil Chara	acteristics:		_x	Mii	neral			c	Organic		
Depth (in)	Horizo	n Te	xture		Matri	x Color				Redox Fe	atures/Not	es
0 - 6	A	Sand	dy loam		10 Y	/R 2/1						
6 – 20+	Bw	Sano	ly loam		10 Y	/R 6/1						
Other Soil Ol	oservations:	Area mapped a	s 3 - Ridgel	bury, Le	eiceste	er, and Whi	tmar	n soils	s, extrem	ely stony		
River/Stream						ennial			_x	_ Intermitte	ent	
Depth @ Cer	nter: 1 – 3"	Bank Heigh	t: 1 - 3'	Ch	nannel	Width 2 - 4	l'		Notes:			
Flow Rate:	Slow	Moderate	Fast			Configurat			Undercu	ıt Ve	ertical	Gradual X
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grav	el			Cobbles	В	oulders	Artificial
Access Rout	es											
Nearest Roa	d Crossing	Wetland Cros	eina	Stro	am Cr	neeina		C14"	amn Mot	s Needed	Notes	
~ 750 feet no			N	Y	alli Ul	N		Y	amp wat	N	INOIES	
. 00 1001 110		1 .		1.		1.4		' '				

Project: Flag Series: Observers:	*	ate Reliability Proj ger/J. Kennedy	ect	-		Wetland Town: Weather:			SR# W-03 nsfield, C			# W20-62	_
Date:	03/04/08_			_		Time:							-
Dominant NV	VI Class: PE	М				Other NV	VI Cla	isse	s:				
Representati	ve Vegetation	(Record Species	and Occ	urrence	e Per	rcentage):							
Trees:		N/A				Shrubs:	_		N	/A			
							Ξ						
Saplings/Liar	nas:					Herbs/Fo	rbes:						
_		N/A					Ca So	attai oft ru	es (Carex ls (Typha ush (Junc lebush (S	latifolia us effus) -C ses) -C		
D = Dominar	t (>50%), A =	Abundant (26-50)%), C = 0	Commo	n (6-	-25%), S = S	Spars	e (<	5%)				
Representati	ve Hydrologic	Characteristics (Circle whe	ere app	ropr	iate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded			Tidal	l:	Subtida	al		Irregularly	Exposed
	Saturated	Intermittently Flooded		icially oded					Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition	n			Water-Sta Leaves	ined		Water	Marks			
		Surface Scou	ring			Drift Lines			Draina	ge Patt	erns	X	
		Buttressed Tr	ees			Depth of Inundation	1:		Depth	to Soil S	Satura	tion:	
Representati	ve Soil Chara	cteristics:		_x	_ M	ineral			(Organic			
Depth (in)	Horizo	n Textu	re		Matı	rix Color				Redox	Feat	ures/Notes	3
							+						
Other Soil Ol	oservations: A	Area mapped as 1	3 - Walpo	le sl; 1	5 - S	carboro mu	ck; ar	nd 3	8C - Hind	ckley gs	I, 3-15	i% slopes	
River/Stream	Data: S-03-1	O-017			Per	ennial			_x	_ Intern	nittent		
Depth @ Cer	nter: 3 – 6"	Bank Height: 1	-3'	Cha	anne	l Width 2-3'			Notes:				
Flow Rate:	Slow	Moderate	Fast			k Configurat	ion:		Undercu		Verti		Gradual X
Substrate %:	strate %: Peat- Muck Silt-Mud		Sand		Grav	/el X			Cobbles	3	Boul	ders	Artificial
Access Rout	es												
Nearest Roa		Wetland Crossin	n	Strea	m C	rossing		Sw	amp Mat	s Need	he	Notes	
~ 600 feet so	Ü	Y N	9	Y		N		Y	anp mai	N	,,,	.10100	

Project: Flag Series: Observers: Date:	*	te Reliability Projec	t	- -	Wetland Town: Weather Time:	- 1		R# W-03-TO-06 sfield, CT	62/NU	# w20-62	A,B,C — —
Dominant NW	/I Class: PEM	1			Other N\	VI Cla	sses	:			
Representativ	ve Vegetation	(Record Species a	nd Occi	urrence Pe	rcentage):						
Trees: non	e				Shrubs:	Ste	eeple	ebush (Spiraea t	tomer	tosa) C [l	ACW]
Saplings/Lian	as:				Herbs/Fo	orbes:					
non		About don't (00 50%)			05%) 0	Ca So	ittails ift rus	s (Carex spp.) s (Typha latifolia sh (Juncus effus		C [C	various] DBL] FACW+]
		Abundant (26-50% Characteristics (Cir				Spars	e (<5	5%)			
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal	i:	Subtidal		Irregulari	y Exposed
	Saturated	Intermittently Flooded	Artifi	icially ided				Reg. Flooded		Irregulari	y Flooded
Hydrologic In	dicators:	Silt Deposition			Water-Sta Leaves	ained		Water Marks -	- X		
		Surface Scourin	g		Drift Lines	3		Drainage Patte	erns -	- X	
		Buttressed Tree	s		Depth of Inundation	n:		Depth to Soil S	Satura	ition:	
Representativ	ve Soil Charac	eteristics:		XM	lineral			Organic			
Depth (in)	Horizon	Texture		Mat	rix Color			Redox	x Feat	ures/Note	es
0 - 8	C1	fine sandy lo	am	10	YR 2/1				-	-	
8 – 20+	C2	very gravelly s loam	sandy	2.5	5 Y 3/2					-	
		rea mapped as 13 -	Walpo			ıck; ar	nd 38			5% slopes	3
River/Stream					rennial	-		Intermit	lleni		
Depth @ Cen Flow Rate:	slow	Bank Height: Moderate	Fast	Channe	k Configura	tion:	_	Notes: Undercut	Vert	ical	Gradual
Substrate %:	Peat		Sand	Grav		uon.		Cobbles		ders	Artificial
Access Route	es										
Nearest Road	Ü	Wetland Crossing		Stream C	rossing			mp Mats Neede	ed	Notes	
* Area active		Y N aze cattle, therefor	e no fla	Y ags were le	N eft. Points	surve	Y yed	in-place using	Trimb	le GPS e	equipment.
W20-62 A, B of-way).	& C are 3 fa	rm ponds with fring	ge eme	ergent wetl	ands interd	onne	cted	by culverts (bo	th wit	hin and o	outside the r

^{*} Area actively used to graze cattle, therefore no flags were left. Points surveyed in-place using Trimble GPS equipment.

Project: Flag Series: Observers: Date:	300 – 306 _ T. Ramborg 03/04/08	te Reliability Project		Wetland Town: Weather Time:	= .	ENSR# W-0 Mansfield, C		NU# W20-63	_ _ _
Dominant NV				Other N	NI Cla	isses:			
	ve Vegetation ite pine (Pinus	(Record Species an strobus) - C	nd Occurrence	Percentage): Shrubs:	Sp	epperbush (C peckled alder eadowsweet	(Alnus rug	gosa) -A	
Saplings/Lian		Abundant (26-50%)	, C = Commor	Herbs/F-	orbes: We Sp Se Ste Ca Sk	oolgrass (Sc phagnum mo ensitive fern (eeplebush (S attails (Typha cunk cabbago	irpis cyper ss (Sphagi (Onoclea s Spiraea ton a latifolia) -	inus) -A num sp.) -A sensibilis) -C nentosa) -C	is) -C
Representativ	ve Hydrologic	Characteristics (Circ	cle where appr	opriate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded X	Seasonally Flooded		Tida	I: Subtid	lal	Irregularly	/ Exposed
	Saturated	Intermittently Flooded	Artificially Flooded			Reg. F	looded	Irregularly	/ Flooded
Hydrologic In	dicators:	Silt Deposition	"	Water-St Leaves		Water	Marks	"	
Inundated soi	ils	Surface Scouring	9	Drift Line	S	Draina	ige Patterr	ns	
Area contains Pool/Amphibi habitat		Buttressed Trees	5	Depth of Inundatio	n:	Depth	to Soil Sa	turation:	
Representativ	ve Soil Charac	cteristics:		Mineral		x_	Organic		
Depth (in) 0 – 24+	Horizon Oa	Texture Muck	1	Matrix Color N 2.5/0			Redox F	eatures/Note	S
Other Soil Ob	oservations: A	rea mapped as 15 -	Scarboro muc	k					
River/Stream	Data: S-03-T	O-018		Perennial		x_	_ Intermitt	tent	
Depth @ Cer		Bank Height: 1 – 3		nnel Width 4 –		Notes:		/antical	Cuadical M
Flow Rate: Substrate %:	Slow Peat- Muck X			Bank Configura Gravel	ition:	Cobble		/ertical Boulders	Gradual X Artificial
Access Route	es								
Nearest Road		Wetland Crossing Y N	Strear Y	n Crossing N		Swamp Mat	s Needed N	Notes	

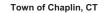
Dominant NWI Class: PFO/PSS	Project: Flag Series Observers: Date:	: 3 T	00 – 310	te Reliability F ger/J. Kenned			_		Wetland Town: Weather Time:			SR# W-03				- - -
Trees: Red maple (Acer rubrum) - A	Dominant N	IWI C	lass: PFC)/PSS					Other N\	VI Cla	sses	S:				
Saplings/Lianas: N/A	Representa	tive \	/egetation	(Record Spec	ies ar	nd Occi	urren	ce Per	centage):							
N/A Woolgrass (Scirpus cyperinus) - A Sedges (Carex spp.) - A Sedges (Carex spp.) - A Sedges (Carex spp.) - A Sphagnum moss (Sphagnum sp.) - A Skunk cabbage (Symplocarpus foetidus) - C Cattalis (Typha latifoila) - C Steeplebush (Spiraea tomentosa) - C	Trees: Re	ed ma	aple (Acer	rubrum) - A	_				Shrubs:	Pe	eppei	rbush (Cl	ethra al	nifolia) - A	
Sedges (Carax spp.) -A Sphagnum moss (Sphagnum sp.) -A Skurk cabbage (Symplocarpus foetidus) -C Cattalis (Typha latifolia) -C Steeplebush (Spiragea tomentosa) -C D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Tidal: Subtidal Irregularly Exposed Flooded Flooded Flooded Flooded Reg. Flooded Irregularly Exposed Saturated Intermittently Artificially Flooded Floode	Saplings/Lia	anas:			_				Herbs/Fo	orbes:						
Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal:	- - - -			I/A						Se Sp Sk Ca	edges ohagi kunk attails	s (Carex num mos cabbage s (Typha	spp.) -A s (Spha (Sympl latifolia)	gnum ocarp	ı sp.) -A us foetidus	s) -C
Non-Tidal: Perm. Semi Perm. Flooded	D = Domina	nt (>	50%), A =	Abundant (26	-50%), C = C	Comm	on (6-	25%), S =	Spars	e (<	5%)				
Flooded Flooded - X Flooded Reg. Flooded Reg. Flooded Irregularly Flooded	Representa	tive F	Hydrologic	Characteristic	s (Cir	cle whe	ere ap	propr	iate)							
Hydrologic Indicators: Silt Deposition Water-Stained Leaves X Water Marks	Non-Tidal:							lly		Tidal	l:	Subtida	al		Irregularly	Exposed
Also- Inundated soils Surface Scouring		tly			,				Reg. F	looded		Irregularly	Flooded			
Also- Inundated soils Surface Scouring Buttressed Trees Depth of Inundation: Depth to Soil Saturation: Depth to Soil Saturation: Depth to Soil Saturation: Depth (in) Horizon Texture Matrix Color Redox Features/Notes 0 - 24 Oa Muck N 2.5/0 24+ R Other Soil Observations: Area mapped as 15 - Scarboro muck River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Hydrologic	Indica	ators:	Silt Depos	tion							Water I	Marks			
Buttressed Trees				Surface Si	ourin	a						Draina	no Patto	rne		
Representative Soil Characteristics:MineralXOrganic Depth (in)	Inundated s	oils				•				•					tion:	
Depth (in) Horizon Texture Matrix Color Redox Features/Notes 0 - 24 Oa Muck N 2.5/0 24+ R Other Soil Observations: Area mapped as 15 - Scarboro muck River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes				Duttressec	1166					n:		Берші	.0 0011 0	atura	uon.	
O-24 Oa Muck N 2.5/0 — 24+ R Other Soil Observations: Area mapped as 15 - Scarboro muck Other Soil Observations: Area mapped as 15 - Scarboro muck River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Representa	tive S	Soil Charac	teristics:				Min	eral			х	Organic	;		
Other Soil Observations: Area mapped as 15 - Scarboro muck River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes		1)											Redox	Feat	ures/Notes	i
Other Soil Observations: Area mapped as 15 - Scarboro muck River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes				N	luck			N	2.5/0					-		
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes																
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes																
Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Other Soil O	Obser	vations: A	rea mapped a	s 15 -	Scarbo	oro m	uck								
Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Muck Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	River/Strea	m Da	ta: N/A					_ Per	ennial				Intermit	tent		
Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes		enter			t:		CI									
Muck Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes		, .								tion:	_					
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Substrate 7	0.		SIII-IVIUU		odiiu		Grav	rei			CODDIES		DOUL	uers	Aillidai
	Access Rou	ıtes														
~ 900 feet southeast	Nearest Ro	ad Cr	ossing	Wetland Cros	sing		Stre	am C	rossing	1	Swa	amp Mats	Neede	d	Notes	
	~ 900 feet s	outhe	east	Υ		Υ		N		Υ		N				

Project: Flag Seri Observer Date:	ies: rs:	300 – 308 T. Rambor	ger/J. Kenr	edy				Wetland Town: Weather: Time:			R# W-03		5/NU#	# W20-65	- - -
Dominan	t NWI	Class: PUI	В					Other NV	VI Cla	asses:	: PFO_				
Represer	ntative	Vegetation	(Record S	pecies a	ind Occ	urre	nce Pe	rcentage): N	/lansf	field H	Iollow R	eservoi			
Trees:			s strobus) -					Shrubs:	Si	ilky do	ogwood ((Cornus	amor	mum) - C	
Saplings/	/Lianas	5:						Herbs/Fo			on fern	(Osmur	ıda cir	nnamomea	a) -C
		-						-25%), S = \$	Spars	se (<5'	%)				
			Characteri					iate)							
Non-Tida		Perm. Flooded)	Semi P			sona			Tida	al:	Subtida	al		Irregularly	Exposed
	tently d		icial ded					Reg. F	looded		Irregularly	Flooded			
Hydrolog Also –	ic India	cators:	Silt Dep	osition				Water-Sta Leaves	ined		Water	Marks			
Reservoi	ir area		Surface	Scouring	ng			Drift Lines	;		Draina	ge Patte	erns		
			Buttres	sed Tree	es			Depth of Inundation	n:		Depth	to Soil S	Satura	tion:	
Represer	ntative	Soil Chara	cteristics:			_X_	M	ineral			c	Organic			
Depth	(in)	Horizoi	n	Texture	ı		Mat	rix Color				Redox	Feat	ures/Notes	3
Other So	il Obse	ervations: A	rea mappe	d as 380	C - Hinc	kley	gsl, 3-	15% slopes							
River/Stre								ennial				Intermit	tent		
Depth @			Bank He		Foot	(l Width	lian.		Notes:	.4	Vert		Cradual
Flow Rate Substrate		Slow Peat- Muck	Moderat Silt-Mud		Fast Sand		Grav	k Configura	uon:	_	Undercu Cobbles		Verti		Gradual Artificial
Access R	Routes														
Nearest F			Wetland C				eam C	rossing			mp Mats		ed	Notes	
~ 350 fee	et north	nwest	Υ	N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	100 -103 &	e Reliability Proje 200 - 203 _. /204-20 er/J. Kennedy	8 & 96-9		Wetland Town: Weather: Time:	- 1		W-03-TO-06			- - -
Dominant NV	VI Class: PUB				Other NV	VI Cla	sses:	PFO			
Representati	ve Vegetation	(Record Species	and Occi	urrenc	e Percentage): N	/lansfi	eld Hol	low Reservoi	r		
Trees:	N	/A			Shrubs:	_		N/A			
						_					
Saplings/Liar		/A			Herbs/Fo	rbes:		N/A			
						_					
		Abundant (26-50%				Spars	e (<5%)			
•		Characteristics (C									
Non-Tidal:	Perm. Flooded X	Semi Perm. Flooded		sonally oded	y	Tidal	: 8	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded		icially oded			F	Reg. Flooded		Irregularly	Flooded
Hydrologic In Also –	dicators:	Silt Deposition			Water-Sta Leaves	ined	٧	Vater Marks			
Reservoir are	a	Surface Scouri	ng		Drift Lines	,		Orainage Patt	erns		
		Buttressed Tre	es		Depth of Inundation	1:	Г	Depth to Soil	Satura	tion:	
Representati	ve Soil Charac	teristics: Water			Mineral			Organic			
Depth (in)	Horizon		9		Matrix Color					ures/Notes	.
-1- ()											
Other Soil Of	oservations: Ar	ea mapped as W	- Water								
River/Stream		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Perennial			Intermi	ttent		
Depth @ Cer	nter:	Bank Height:		Ch	annel Width		No	otes:			
Flow Rate:	Slow	Moderate	Fast		Bank Configurat	tion:		ndercut	Verti		Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		Gravel		Co	obbles	Boul	ders	Artificial
Access Route	es										
Nearest Roa		Wetland Crossing		Strea	am Crossing		Swam	p Mats Need	ed	Notes	
~ 1,000 feet :	southwest	Y N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	300 - 305	ate Reliability					Wetland Town: Weather: Time:			SR# W-03 nsfield, C		87/NU#	# w20-67	_ _ _
Dominant N	WI Class: PF	0					Other NV	VI CI	asses	s:				
Representat	ive Vegetatio	n (Record Spe	ecies and	d Occu	ırrenc	e Perc	centage):							
	-	r rubrum) - A	_				Shrubs:	Ire	onwo	ood (Carp	inus ca	rolinia	na) -C	
Saplings/Lia	nas:	N/A	_				Herbs/Fo			s (Carex	spp.) -	A		
		= Abundant (2						Spars	se (<	5%)				
		c Characterist					ate)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded	m.		sonall ded -			Tida	al:	Subtida	al		Irregularly	Exposed
	Flooded Flooded Saturated Intermittently Flooded									Reg. F	looded		Irregularly	Flooded
Hydrologic II	ndicators:	Silt Depo	sition	ı			Water-Sta Leaves			Water	Marks			
		Surface S	Scouring				Drift Lines	;		Draina	ge Patt	erns	- X	
		Buttresse	d Trees				Depth of Inundation	n:		Depth	to Soil :	Satura	tion:	
Representat	ive Soil Char	acteristics:			х	Mir	neral			(Organic			
Depth (in)	Horizo	on T	exture			Matri	x Color				Redo	x Feat	ures/Note:	S
0 - 12	A		ndy loam				/R 2/1					-	-	
12 – 20+	Bw	Loa	my sand	1		2.5	Y 4/2						-	
		Area mapped	as 3 - Ri	_	_			tman	soils					
	n Data: S-03-				X	_	rennial				Intermi	ttent		
Depth @ Ce Flow Rate:	nter: 3 – 6"	Bank Heig Moderate		ast	Ch		Width 4 – 8 Configurat			Notes: Undercu	ıt	Verti	ical	Gradual X
Substrate %		Silt-Mud	Sa	and X		Grave		uon.		Cobbles			ders	Artificial
Access Rou	tes													
	Nearest Road Crossing Wetland Crossing					am Cro				amp Mat		ed	Notes	
Adjacent to Road	Bedlam	Υ	N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	300 - 340 _	te Reliability P				Wetland I Town: Weather: Time:	M	NSR# W-0 ansfield-C				- - -
Dominant NW	/I Class: PEM	1				Other NV	/I Class	ses: PFO	PSS			
Representativ	e Vegetation	(Record Speci	es and Oc	curren	ce Perc	entage):						
	maple (Acer		_			Shrubs:		perbush (G				
Saplings/Lian	as:					Herbs/Fo	rbes:					
		Abundant (26-					Cinn Sen: Sku	sitive fern nk cabbag	n (Osmur (Onoclea	nda cii a sens	nnamomea	
Non-Tidal:	Perm. Flooded	Semi Perm Flooded 2		asonal oded	ly		Tidal:	Subti	dal		Irregularly	Exposed
	Saturated	Intermittent	,	ificially oded	'			Reg.	Flooded		Irregularly	Flooded
Hydrologic Inc	dicators:	Silt Deposit	ion		-	Water-Sta	ined	Wate	r Marks			
Also –						Leaves	X					
Inundated soi	ls	Surface Sc	ouring			Drift Lines		Drain	age Patte	erns	X	
Area Ponded Area identified Pool/Amphibid habitat		Buttressed	Trees			Depth of Inundation	ı:	Depth	to Soil S	Satura	tion:	
Representativ	e Soil Charac	cteristics:			_ Mine	ral		_x	_ Organi	С		
Depth (in)	Horizon	Tex	ture		Matrix	Color			Redox	Feat	ures/Notes	3
0 – 24+	Oa	Mi	uck		N 2	.5/0				-	-	
				+								
Other Soil Ob		s 3 - Ridgel	oury, L	eicestei	r, and Whit	tman so	oils, extrer	mely ston	y and	60B – Car	nton & Charlton	
River/Stream		O-020	_		Per		_		Intermit	tent		
Depth @ Cen Flow Rate:		Bank Height		CI		Nidth 4 – 8		Notes:	4	Vact	laal	Cradual
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand X		Grave	Configurat I	ion:	Cobble		Verti	ders	Gradual X Artificial
Access Route	ıs											
Nearest Road	l Crossing	Wetland Cross	sing	Stre	am Cro	ssing	8	Swamp Ma	ts Neede	ed	Notes	
Adjacent to B	edlam	Y	N	Υ		N	Y	′	N			



Project: Flag Series: Observers: Date:	100 – 110	ate Reliability Project & 200 - 212_ ger/J. Kennedy	_	JOHNNA	Wetland Town: Weather Time:	ID: ENS	SR# W-03-WI-	069/NU#	¢ W20-69	- - -
Dominant N\	WI Class: PF0	D/PSS		_	Other N\	VI Classe	s:			
Representat	ive Vegetation	(Record Species an	d Occur	rence Per	rcentage):					
Trees: Re	d maple (Acer	rubrum) -A			Shrubs:	Ironwo	ysuckle (Lonice bod (Carpinus ush blueberry	carolinia	na) -C	osum) - C
Saplings/Lia	nas:				Herbs/Fo	orbes:				
		N/A				Sedge Sphag Cinna	es (Carex spp.) gnum moss (Sp mon fern (Osm ccabbage (Syn	hagnun nunda cii	nnamomea	
D = Dominar	nt (>50%), A =	Abundant (26-50%)	, C = Co	mmon (6-	-25%), S =	Sparse (<	:5%)			
Representat	ive Hydrologic	Characteristics (Circ	cle wher	e appropri	iate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Seaso	onally led X		Tidal:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artific Flood	,			Reg. Floode	ed	Irregularly	Flooded
Hydrologic Ir Also –	ndicators:	Silt Deposition			Water-Sta Leaves		Water Mark	s		
Inundated so	oils	Surface Scouring]		Drift Lines	S	Drainage Pa	atterns		
		Buttressed Trees	3		Depth of Inundatio	n:	Depth to So	il Satura	tion:	
Representat	ive Soil Chara	cteristics:	>	(M	ineral	_	Organ	ic		
Depth (in)					rix Color		Red	lox Feat	ures/Notes	3
0 - 8 8 – 20+	A Bw	Sandy loan Sandy loan	_		YR 3/2 5 Y 5/2			-		
Other Soil O	bservations: A	rea mapped as 38C	- Hinckl	ey gsl, 3-1	15% slopes					
River/Stream	n Data: S-03-V	VI-021		Per	ennial	_	X Inte	rmittent		
Depth @ Ce		Bank Height: 1-2'			l Width 4-6		Notes:			
Flow Rate:	Slow		ast		k Configura	tion:	Undercut	Verti		Gradual X
Substrate %	Peat- Muck	Silt-Mud S	iand	Grav	/el		Cobbles	Boul	ders	Artificial
Access Rout	es									
Nearest Roa		Wetland Crossing		Stream C			amp Mats Nee	eded	Notes	
~ 1,200 feet	west	Y N		Υ	N	Υ	N			

Project: Flag Series: Observers: Date:	100 – 105	ate Reliability Pi & 200 – 204 /10 ger/J. Kennned	6-144, 205-22		Wetland I Town: Weather: Time:		NSR# W-03 haplin, CT _		U# W2U-7U	
Dominant NV	VI Class: PF	0			Other NW	/I Class	ses: PSS/P	EM		_
Representati	ve Vegetation	(Record Speci	es and Occ	urrence Pe	rcentage):					
Trees: Rec	d maple (Acer	rubrum) -A	_		Shrubs:	Silky	/ dogwood (Cornus am	nomum) -A	
Saplings/Liar	nas:		_		Herbs/For	rbes:				
		N/A	 				sock sedge nk cabbage		cta) -D Irpus foetidu	ıs) -A
		Abundant (26-				parse	(<5%)			
		Characteristics								
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal:	Subtida	al	Irregulari	y Exposed
	Saturated	Intermittent Flooded		ficially oded			Reg. Fl	ooded	Irregulari	y Flooded
Hydrologic In	dicators:	Silt Deposit	ion		Water-Stai		Water I	Vlarks		
Also -					Leaves X	X				
Inundated so	ils	Surface Sco	ouring		Drift Lines		Drainag	ge Patterns		
Area identifie Pool/Amphibi habitat		Buttressed	Trees		Depth of Inundation	:	Depth t	o Soil Satu	ration:	
							·			
Representati	ve Soil Chara	cteristics:		Min	neral	_	x	Organic		
Depth (in)	Horizo	n Tex	ture	Mat	rix Color			Redox Fe	atures/Note	s
0 – 20+	Oa	Mu	uck	N	1 2.5/0					
Other Soil Ob	oservations: A	Area mapped as	18 - Catde	n & Freetov	wn soils					
River/Stream	Data: N/A			Per	rennial	_		Intermittent		
Depth @ Cer		Bank Height:		Channe			Notes:			
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Grav	k Configurati vel	ion:	Cobbles		ertical oulders	Gradual Artificial
A		•		-			•	•		•
Access Route										
Nearest Road		Wetland Cross		Stream C			Swamp Mats		Notes	

Project: Flag Series: Observers: Date:	300 - 303 _	te Reliability Project			Wetland Town: Weather Time:			R# W-03-WI-07 plin, CT	′1/NU#	# W20-71	- - -
Dominant N\	VI Class: PSS				Other NV	VI Cla	sses	s:			
Representati	ve Vegetation	(Record Species an	ıd Occı	urrence Pe	rcentage):						
Trees: Re	d maple (Acer	rubrum) -D			Shrubs:	_		N/A			
0					11b/F-	_					
Saplings/Liai		I/A			Herbs/Fo	Cii Tu	nnar	non fern (Osmu ck sedge (Carex rass (Scirpus cy	stricta	a) -C	a) -C
D = Dominar	nt (>50%), A =	Abundant (26-50%)	, C = C	ommon (6	-25%), S = 3	Spars	e (<	5%)			
Representati	ve Hydrologic	Characteristics (Circ	cle whe	ere appropr	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally dedX		Tidal	l:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artifi	icially ded				Reg. Flooded		Irregularly	Flooded
Hydrologic Ir	dicators:	Silt Deposition			Water-Sta			Water Marks			
Also—					Leaves						
Inundated so	ils	Surface Scouring			Drift Lines	3		Drainage Patt			
Ponding		Buttressed Trees	3		Depth of Inundation	n:		Depth to Soil	Satura	ition:	
Representati	ve Soil Charac	cteristics:		Mir	neral			X Organ	ic		
Depth (in)	Horizon				rix Color			Redo		ures/Note	S
0 – 20+	Oa	Muck		N	12.5/0					-	
Other Soil O	oservations: A	rea mapped as 18 -	Catder	n & Freetov	vn soils						
River/Stream	Data: N/A			Per	rennial			Intermi	ttent		
Depth @ Ce		Bank Height:		Channe				Notes:			T
Flow Rate: Substrate %:	Slow Peat- Muck		ast	Grav	k Configura vel	tion:		Undercut Cobbles	Verti	ical iders	Gradual Artificial
Access Rout	es										
Nearest Roa	d Crossina	Wetland Crossing		Stream C	rossina		Swa	amp Mats Need	ed	Notes	
~ 2,500 feet		Y N		Y	N		Y	N			
					- 1					1	

Project: Flag Series: Observers: Date:	400 – 415 T. Rambor	ger/J. Kennedy			Wetland Town: Weather: Time:	(ENSR# W-03 Chaplin, CT _		# W20-72	_ _ _
Dominant NV	VI Class: PS	S/PFO		-	Other NV	VI Cla	sses:			
Representati	ve Vegetation	(Record Species	and Occ	urrence Pe	rcentage):					
Trees:		N/A			Shrubs:			(Spiraea latifo (Cornus amo		
Saplings/Liar	nas:				Herbs/Fo	orbes:				
		N/A						Onoclea sens (Osmunda ci		a) -C
D = Dominar	it (>50%), A =	Abundant (26-509	%), C = (Common (6	-25%), S = S	Sparse	e (<5%)			
Representati	ve Hydrologic	Characteristics (C	ircle wh	ere appropr	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		isonally oded X		Tidal	: Subtida	al	Irregularly	Exposed
	Saturated	Intermittently Flooded		ficially oded			Reg. F	looded	Irregularly	Flooded
Hydrologic In Also –	dicators:	Silt Deposition			Water-Sta Leaves	ined	Water	Marks		
Inundated so	ils	Surface Scouri	ng		Drift Lines	;	Draina	ge Patterns		
Area identifie Pool/Amphib habitat		Buttressed Tre	es		Depth of Inundation	n:	Depth	to Soil Satura	ation:	
Representati	ve Soil Chara	cteristics:		Mir	neral		x	Organic		
Depth (in)	Horizo	n Textur	9	Mat	rix Color			Redox Fea	tures/Note	s
0 – 20+	Oa	Muck		N	1 2.5/0			-	-	
Other Soil Ol	oservations: A	Area mapped as 18	- Catde	n & Freetov	wn soils					
River/Stream					rennial			Intermittent		
Depth @ Cer		Bank Height:		Channe			Notes:			
Flow Rate:	Slow	Moderate	Fast		k Configurat	tion:	Undercu	ut Verl	tical	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Gra			Cobbles	Bou	Iders	Artificial
Access Rout	es									
Nearest Roa		Wetland Crossing	ı	Stream C			Swamp Mat		Notes	
~ 2,700 feet	west	Y N		Υ	N		Υ	N	1	

Project: Flag Serie Observers Date:		100 – 113 8	te Reliability & 200 – 204 ₋ ger/J. Kenned					Wetland Town: Weather Time:				3-WI-073/I		20-73	- - -
Dominant	NWI	Class: PFC)/PSS					Other NV	VI CI	asse	s: R3UB	H			
Represent	tative	Vegetation	(Record Spe	cies an	d Occi	urren	ce Per	centage):							
H	Heml		rubrum) -A canadensis) s strobus) -C	- C				Shrubs:	M	leado	wsweet	(Alnus ru (Spiraea l (Cornus a	atifolia)	-C	
Saplings/L	iana	e.						Herbs/Fo	- orboe					_	
- - - -	Liai ia							Helbs/T	S	edge		spp.) - A Onoclea s	ensibili	s) -A 	
D = Domir	nant ((>50%), A =	Abundant (2	 6-50%).	, C = C	Comm	non (6-2	25%), S = 1	Spars	se (<	5%)			_	
			Characteristi					-	•						
Non-Tidal:		Perm.	Semi Per	•		sonal		ate)	Tida	al-	Subtida	ol.	Irro	aularh	Exposed
NOII-TIUAL		Flooded	Flooded -			ded	lly		Hue	31.	Sublida	aı	iiie	guiariy	Exposed
	Saturated	ntly		icially ded	,				Reg. F	looded	Irre	gularly	Flooded		
Hydrologic	c Indi	cators:	Silt Depos	sition				Water-Sta			Water	Marks			
Also -								Leaves	Х						
Inundated	soils	;	Surface S	couring	3			Drift Lines	3		Draina	ge Patterr	าร		
			Buttresse	d Trees	3			Depth of Inundation	n:		Depth	to Soil Sa	turation	:	
											ı				
Represent	tative	Soil Chara	cteristics:			Χ	Mii	neral				Organic			
Depth ((in)	Horizor	т Т	exture			Matri	ix Color				Redox F	eatures	s/Note:	S
Other Soil	l Obs	ervations: A	rea mapped	as 18 -	Catde	n & F	reetow	n soils and	101	- Oc	cum fsl				
River/Stre	am D	ata: Natcha	ug River (S-0	3-WI-0	22)	x_	F	Perennial				Intermitte	nt		
Depth @ 0	Cente	er: >5'	Bank Heig	nt: >5'		CI		Width >50			Notes:				
Flow Rate		Slow	Moderate		ast			Configura	tion:		Undercu		/ertical		Gradual
Substrate	%:	Peat- Muck	Silt-Mud	S	and X		Grav	el			Cobbles	S E	Boulders	8	Artificial
Access Ro	outes														
			Wetland Cro	eeina		Stre	am Cr	nesina		Sw	amn Mat	s Needed	NI	otes	
	Nearest Road Crossing Wetland Crossing Wetland Crossing V N							N		Y	ump wat	N	INC	UICO	
.,		-				Υ						1			

Project: Flag Series: Observers: Date:	300 - 305	ate Reliability Pro /294-299, 306-317 ger/J. Kennedy	& 300-340			Wetland I Town: Weather: Time:			R# W-03 plin, CT _			‡ w20-74	- - -
Dominant NV	VI Class: PF	0				Other NW	'I Cla	asses	s:				
Representati	ve Vegetation	n (Record Specie	s and Occ	urren	ce Per	rcentage):							
	mlock (Tsuga d maple (Ace	canadensis) - A r rubrum) - A	- -			Shrubs:	Hi	ighbu	ish blueb	erry (V	accini	um corymb	osum) - C
Canlings/Lies			-			Herbs/Fo	-						
Saplings/Liar	ias.		- - -			nerbs/roi	Sp	phagi kunk		(Symp	locarp	n sp.) - A ous foetidus a) - A	s) -A
D = Dominar	ıt (>50%), A :	Abundant (26-5	- 0%), C = 0	Comm	non (6-	-25%), S = S	pars	se (<5	5%)				
		Characteristics							,				
Non-Tidal:	Perm.	Semi Perm.		sona		,	Tida	al:	Subtida	al		Irregularly	Exposed
	Flooded	Flooded	Floo	ded -	- X								
	Saturated	Intermittently Flooded		icially ded	′				Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition	n			Water-Stai Leaves	ned		Water	Marks			
		Surface Sco	ıring			Drift Lines			Draina	ge Patt	erns		
		Buttressed T	rees			Depth of Inundation	:		Depth	to Soil :	Satura	tion:	
Representati	ve Soil Chara	acteristics:		_X	M	ineral				Organic			
Depth (in)	Horizo	n Text	ıre		Mati	rix Color				Redo	x Feat	ures/Notes	;
0 - 6	Oa	Mud				2.5/0							
6 – 20+	С	Course	sand		10	YR 4/2	+					-	
0110-11-01			200 11:			450/ -1							
River/Stream		Area mapped as : WI-023	38C - Hinc	X_		erennial				Intermi	ttent		
Depth @ Cer	nter: 3 – 6"	Bank Height:	1 – 3'	С	hanne	l Width 5 – 1	0'	Т	Notes:				
Flow Rate:	Slow	Moderate	Fast	+		k Configurati			Undercu	ut	Verti	ical	Gradual X
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grav	/el			Cobbles	3	Boul	ders	Artificial
Access Rout													
		14/-4/ 1 2		· ·						NI.		Later	
~ 1,800 feet		Wetland Crossi Y N	ıy	Stre	am C	rossing		Swa	amp Mat	Need N	ea	Notes	

Project: Flag Series:							Wetland Town: Weather:			SR# W-03-WI-07 plin, CT	6/NU#	# w20-75	-
Date:	03/07/0		i/J. Kerinedy		-		Time:						- -
Dominant NV	VI Class: I	PSS_					Other NV	VI Cla	asses	s: PFO			
Representati	ve Vegetat	ion (F	Record Species	and Occ	urrenc	e Per	rcentage):						
Trees: Rec	d maple (A	cer ru	ıbrum) - A				Shrubs:	M	alebe	erry (Lyonia ligus	strina)	- A	
Saplings/Liar	nas:						Herbs/Fo	orbes:					
_		N/A	4					Se	ensiti	ck sedge (Carex ive fern (Onoclea mites (Phragmite	a sens	sibilis) - A	
			bundant (26-50%					Spars	se (<	5%)			
		gic C	haracteristics (C				iate)			T			
Non-Tidal:	Perm. Flooded		Semi Perm. Flooded		sonall oded -			Tida	ıl:	Subtidal		Irregularly	Exposed
	Saturate	d	Intermittently Flooded	Intermittently Artificially Flooded Flooded						Reg. Flooded		Irregularly	Flooded
Hydrologic In	dicators:		Silt Deposition				Water-Sta Leaves			Water Marks			
Also – Inundated so			Surface Scouri	ing			Drift Lines			Drainage Patt	erns		
inundated so	oll		Buttressed Tre	es			Depth of			Depth to Soil S	Satura	ation:	
							Inundation	1:					
Representati	ve Soil Ch	aracte	eristics:			_ Min	ieral			_X Organi	С		
Depth (in)	Hori		Texture				rix Color			Redo	x Feat	tures/Notes	3
0 – 24 24+		a ₹	Muck			N	2.5/0					-	
Other Soil Ob	oservations	s: 18 -	- Catden & Freet	town									
River/Stream	Data: N/A					_ Per	ennial			Intermi	ttent		
Depth @ Cer			Bank Height:		Ch		l Width			Notes:			
				Fast Sand		Banl Grav	k Configurat vel	tion:		Undercut	Vert	ical Iders	Gradual Artificial
			,										
Access Route	es												
Access Route		V	Vetland Crossing	1	Stre	am C	rossing		Swa	amp Mats Need	ed	Notes	

Project: Flag Series: Observers: Date:	300 – 318 T. Rambo	ate Reliability Proje rger/J.Kennedy		-	Wetland Town: Weather Time:		ENSR# W-0 Chaplin, CT		_ _ _	
Dominant N\	WI Class: PF	0			Other NV	VI Cla	asses: PSS_			
Representat	ive Vegetation	n (Record Species	and Occ	urrence Pe	rcentage):					
Trees: Re	d maple (Ace	r rubrum) - A			Shrubs:	Iro	onwood (Carp	oinus carolin	iana) - A	
Saplings/Lia	nas:				Herbs/Fo	orbes				
		N/A				Tu Sk Se	ussock sedge kunk cabbage edges (Carex ensitive fern (bhagnum mo	e (Symploca s spp.) - C (Onoclea sei	rpus foetidi nsibilis) -C	us) -A
D = Dominar	nt (>50%), A	= Abundant (26-509	%), C = (Common (6	-25%), S = :	Spars	se (<5%)			
Representat	ive Hydrologi	Characteristics (C	ircle wh	ere appropr	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tida	l: Subtid	lal	Irregulari	ly Exposed
	Saturated	Intermittently Flooded		ficially oded			Reg. F	looded	Irregulari	ly Flooded
Hydrologic Ir	ndicators:	Silt Deposition	· ·		Water-Sta Leaves		Water	Marks		
		Surface Scour	ing		Drift Lines	3	Draina	ige Patterns	X	
		Buttressed Tre	es		Depth of Inundation	n:	Depth	to Soil Satu	ration:	
Representati	ive Soil Chara	acteristics:		_X M	fineral		(Organic		
Depth (in)	Horizo	n Textur	е	Mat	rix Color			Redox Fe	atures/Note	es
0 - 6	A	Sandy lo			YR 4/1				-	
6 – 20+	Bw	Sandy lo	am	10	YR 5/2				-	
		Area mapped as 18	- Catde							
	n Data: S-03-				erennial			Intermittent		
Depth @ Ce		Bank Height: 1			el Width 5 –		Notes:	,		One decided N
Flow Rate: Substrate %	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Gra	k Configura vel	tion:	Cobble		rtical ulders	Gradual X Artificial
Access Rout	es									
Nearest Roa	d Crossing	Wetland Crossing]	Stream C	rossing		Swamp Mat	ts Needed	Notes	
~ 750 feet ea	ast	Y N		Υ	N		Y	N		

Project: Flag Series: Observers: Date:	300 – 329 &	e Reliability Proje 400 - 408 er/J. Kennedy				Wetland Town: Weather Time:		ENS Cha	_ _ _			
Dominant NW	/I Class: POW	/PSS/PFO				Other NV	VI Cla	asse	s: PFO, POV	V, PEM_		
Representativ	ve Vegetation (Record Species	and Occu	ırrence	Per	centage):						
Whi Hen	I maple (Acer rete pine (Pinus s nlock (Tsuga ca	strobus) - A				Shrubs:	M	aleb	led alder (Aln erry (Lyonia li			
Saplings/Lian		A				Herbs/Fc	Se Si Si Ti	ensiti innar edge kunk phag	ive fern (Ono mon fern (Osr es (Carex spp. cabbage (Sy num moss (S ck sedge (Cal rrass (Scirpus	nunda o) - C mplocar phagnu rex stric	rpus foetidus m sp.) –C ta) -C	•
D = Dominan	t (>50%), A = A	Abundant (26-50%	%), C = C	ommo	n (6-	25%), S = 3	Spars	se (<	5%)			
Representativ	ve Hydrologic C	Characteristics (C	ircle whe	ere app	ropri	ate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded X	Seas Floo	sonally ded	'		Tida	ıl:	Subtidal		Irregularly	Exposed
	Saturated	Artifi Floo	icially ded					Reg. Flood	ed	Irregularly	Flooded	
Hydrologic In	dicators:	Silt Deposition				Water-Sta			Water Mark	(S		
Also –		0.6				Leaves						
Inundated soi	ils	Surface Scouri	•			Drift Lines			Drainage P			
Area identified Pool/Amphibit habitat	d as Vernal	Buttressed Tre	es			Depth of Inundation	n:		Depth to So	oil Satur	ation:	
Representativ	e Soil Charact	eristics:		X	_ Mi	neral			Orgai	nic		
Depth (in)	Horizon	Texture	Э		Matri	ix Color			Re	dox Fea	tures/Notes	3
Other Soil Oh	servations: Are	ea mapped as 15	- Scarbo	oro mu	ck							
	Data: S-03-WI			х		erennial			Inter	rmittent		
Depth @ Cen		Bank Height: 1				Width 2'			Notes:	,		
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand		Bank Grav	Configura	tion:	_	Undercut		tical X	Gradual Artificial
	Muck		Janu		Jiav	CI			X	500	aiuei 5	Ailliudi
River/Stream				ennial		_	_X Int	ermitten	ıt			
Depth @ Cen		Bank Height: 1				Width 4 -			Notes:	1.,		
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand			Configura	tion:					Gradual X Artificial
Access Route	es											1
Nearest Road		Wetland Crossing			m Cr	ossing			amp Mats Ne	eded	Notes	
Adjacent to R	oute 6	/ N		Υ		N		Υ	N		1	-

Project: Flag Series: Observers: Date:	400 – 405	te Reliability Projectory			Wetland I Town: Weather: Time:	(ENSF	_ _ _			
Dominant NV	VI Class: PFC)			Other NW	/I Clas	sses:				
Representativ	ve Vegetation	(Record Species a	and Occi	urrence Pe	rcentage):						
Trees: Rec	d maple (Acer	rubrum) - C			Shrubs:	Hig	ghbus	sh blueberry (Va	cciniu	m corym	bosum) -C
Saplings/Lian	nas:				Herbs/Fo	rbes:					
_	11	I/A				Tus	ssock	k sedge (Carex	stricta)) -C	
D = Dominan	t (>50%), A =	Abundant (26-50%	6), C = C	Common (6	-25%), S = S	Sparse	e (<5'	%)			
Representativ	ve Hydrologic	Characteristics (C	ircle whe	ere appropr	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded X		sonally		Tidal:	:	Subtidal	li	rregularly	/ Exposed
	Saturated	Intermittently Flooded		icially oded				Reg. Flooded	I	rregularly	/ Flooded
Hydrologic In	dicators:	Silt Deposition	-		Water-Sta	ined		Water Marks			
Also -					Leaves						
Inundated so	ils	Surface Scouri	ng		Drift Lines			Drainage Patte	rns		
Ponded		Buttressed Tre	es		Depth of			Depth to Soil S	aturati	ion:	
Area identifie Pool/Amphibi habitat					Inundation	1:					
Representativ	ve Soil Chara	cteristics:		_ X M	lineral	_		Organic			
Depth (in)	Horizor	Texture)	Mat	rix Color			Redox	Featu	res/Note	s
Other Soil Ob	servations: A	rea mapped as 15	- Scarbo	oro muck a	nd 18 - Catd	len & I	Freet	town soils			
River/Stream	Data: N/A		Pei	rennial			Intermit	tent			
Depth @ Cer	nter:	Bank Height:		Channe	el Width		1	Notes:			
Flow Rate:	Slow	Moderate	Fast		k Configurat	ion:	ı	Undercut	Vertic	al	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav	vel		(Cobbles	Bould	lers	Artificial
Access Route	es										
Nearest Road		Wetland Crossing		Stream C		_		mp Mats Neede	d	Notes	
~ 75 feet eas	t	Y N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	400 – 408 _	te Reliability Proje				Wetland Town: Weather: Time:			SR# W-03-WI-078/NU# w20-79 aplin ,CT						
Dominant NW	/I Class: PFC)				Other NV	VI Cla	asse	s:			ccinium corymb stricta) -C Irregularly Irregularly Irregularly Maturation: Features/Notes ent Vertical Boulders			
Representativ	ve Vegetation	(Record Species	and Occ	urren	ce Per	centage):									
Trees: Red	l maple (Acer	rubrum) - C				Shrubs:	Н	ighb	ush bluel	perry (Va	accini	um corymb	oosum) -C		
Saplings/Lian	as:					Herbs/Fo	rbes	:							
_		I/A					Τι	usso	ck sedge	(Carex	stricta	a) -C			
D = Dominani	+ (>E00/) A =	Abundant (26-50	0/ \ C = (`omm	on (6 '	250/\ C = 9		20 (-	·E0/ \						
		Characteristics (0					opais	, ,	.5 /6)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded X		sonal oded	ly		Tida	ıl:	Subtid	al		Irregularly	Exposed		
	Saturated	Intermittently Flooded		icially oded					Reg. F	looded		Irregularly	Flooded		
Hydrologic In	dicators:	Silt Deposition	1			Water-Sta	ined		Water	Marks					
Also –		Surface Scour				Drift Lines			Desire	ge Patte					
Inundated soi	ils						i			•					
Ponded Area identifier Pool/Amphibi habitat		Buttressed Tre	ees			Depth of Inundation	n:		Depth	to Soil \$	satura	tion:			
Representativ	ve Soil Charac	cteristics:		_x_	Mi	neral			(Organic					
Depth (in)	Horizon	Textur	е		Matri	ix Color				Redox	Feat	ures/Notes	3		
Other Soil Ob	servations: A	rea mapped as 1	5 - Scarb	oro m	uck an	ıd 18 - Cato	ien 8	Fre	etown so	ils					
River/Stream	Data: N/A				_ Pere	ennial				Intermi	tent				
Depth @ Cen		Bank Height:		CI		Width			Notes:						
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand		Bank	Configurat	tion:		Underco						
oubstrate %:	Muck	Siit-IVIUU	Sand		GIAV	ei			CODDIES	>	DUUI	uers	ATUIICIAI		
Access Route	es														
	Crossing	Wetland Crossin	a	Stre	am Cr	ossing		Sw	amp Mat	s Neede	ed	Notes			
Nearest Road	Ciossing								arrip ma						

Project: Flag Series: Observers: Date:	100 – 110	ate Reliability Proje & 200 -213 ger/J. Kennedy		-	Wetland I Town: Weather: Time:		ENSR# W-03 Chaplin, CT			 							
Dominant NV	/I Class: PF0	0			Other NV	VI Cla	sses: PSS_		alnifolia) -A /accinium corymbosum) -C as sensibilis) -A nagnum sp.) - A is cyperinus) -A Irregularly Exposed Irregularly Flooded tterns Saturation:								
Representativ	ve Vegetation	(Record Species	and Occ	urrence Pe	ercentage):												
Trees: Red	I maple (Acer	rubrum) -A			Shrubs:		epperbush (C ghbush blueb			bosum) -C							
Saplings/Lian	as:				Herbs/Fo	rbes:											
		N/A				Sp	hagnum mos	s (Sphagnu	ım sp.) - A								
D = Dominan	t (>50%), A =	Abundant (26-50	%), C = C	Common (6	6-25%), S = S	Spars	e (<5%)										
Representativ	e Hydrologic	Characteristics (0	Circle whe	ere approp	oriate)												
Non-Tidal:	Flooded Flooded			sonally ded X		Tidal	l: Subtida	al	Irregularly	/ Exposed							
	Saturated	Intermittently Flooded		icially oded			Reg. F	looded	Irregularly Flooded								
Hydrologic In	dicators:	Silt Deposition			Water-Sta		Water	Marks									
Also –					Leaves 2	X											
nundated soi	ils	Surface Scour	ing		Drift Lines		Draina	ge Patterns									
		Buttressed Tre	ees		Depth of Inundation	1:	Depth	to Soil Satur	ration:								
Representativ	e Soil Chara	cteristics:		Mi	ineral		x	Organic									
Depth (in)	Horizoi	n Textur	e	Ma	trix Color			Redox Fea	atures/Note	s							
0 - 20	Oa	Muck			N 2.5/0												
20+	С	Sandy Id	am	2	.5 Y 4/2				-								
Other Soil Ob	servations: A	rea mapped as 18	3 - Catde	n & Freeto	own soils and	23A -	- Sudbury sl,	0-5% slope:	s								
River/Stream	Data: S-03-V	VI-027		_XF	Perennial	-		Intermittent									
Depth @ Cer	ter: 6 – 24"	Bank Height: 1	- 3'	Chann	el Width 4 – 6	6'	Notes:										
Flow Rate:	Slow	Moderate	Fast	Bai	nk Configurat	ion:	Undercu		rtical	Gradual X							
Substrate %:	Peat- Muck	Silt-Mud	Sand	Gra	avel	-	Cobbles	Bo	ulders	Artificial							
Access Route	es																
Nearest Road	d Crossing	Wetland Crossing	7	Stream (Crossing	1	Swamp Mat	s Needed	Notes								
~ 200 feet we		Y N	-	Υ	N		Υ	N									

Project: Flag Series: Observers: Date:	100-109;20	ate Reliability Proje 00-213;200A-207A ger/J. Kennedy	;300-307	; & 400-417	Wetland I 7 Town: Weather: Time:	(R# W-03-WI-08 plin, CT	- - -					
Dominant NW	/I Class: PF	O/PSS			Other NV	/I Cla	sses	s: PEM						
Representativ	ve Vegetation	(Record Species	and Occu	ırrence Per	centage):									
	l maple (Acei te pine (Pinu	rubrum) -D s strobus) - C			Shrubs:	Me	ado	rbush (Clethra a wsweet (Spiraea ed alder (Alnus	alatifo	lia) -A				
Saplings/Lian	as:				Herbs/Fo			,		,				
D = Dominant		N/A	%), C = C	common (6-	25%), S = S	Sp Ste Ca Sk	hagr eeple ittails unk	ve fern (Onoclea num moss (Spha ebush (Spiraea t s (Typha latifolia cabbage (Symp 5%)	agnum oment) C	sp.) -A osa) -A	s) - C			
		Characteristics (C				•		,						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Seas	sonally ded X	lato,	Tidal	:	Subtidal		Irregularly	Exposed			
	Saturated	Intermittently Flooded	Artifi Floo	cially ded				Reg. Flooded	Flooded					
Hydrologic Inc	dicators:	Silt Deposition			Water-Sta			Water Marks						
Also -					Leaves	х								
Inundated soi	ls	Surface Scour	ing		Drift Lines			Drainage Patte	erns	Х				
Elevated root	systems	Buttressed Tre	ees		Depth of			Depth to Soil S	Satura	tion:				
Area identified Pool/Amphibia habitat					Inundation	1:								
Representativ	e Soil Chara	cteristics:		XMi	ineral			Organic						
Depth (in)	Horizo	n Textur	е	Matr	ix Color			Redox	(Feat	ures/Notes				
Other Soil Ob slopes	servations: A	Area mapped as 3	- Ridgebu	iry, Leiceste	er, and Whi	tman	soils	s, extremely stor	y & 38	BC - Hinckl	ey gsl, 3-15%			
River/Stream	Data: S-03-V	VI-028		X Pe	erennial	-		Intermit	tent					
Depth @ Cen		Bank Height: 1			Width 5 – 1			Notes:						
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand	Bank	Configurat	ion:		Undercut	Verti		Gradual X Artificial			
Substrate /6.	Muck	Sill-ividd	X	Giav	rei			Copples	Douit	uers	Attilicial			
River/Stream	Data: S-03-V	VI-029		Pere	ennial	-		X Intern	nittent					
Depth @ Cen	ter: 3 – 6"	Bank Height: 1	- 3'	Channel	Width 4-6'			Notes:						
Flow Rate:	Slow	Moderate	Fast		Configurat	ion:	I	Undercut	Verti		Gradual X			
Substrate %:	Peat- Muck	Silt-Mud	Sand X	Grav	/eI			Cobbles	Bould	ders	Artificial			
Access Route	es			•										
Nearest Road		Wetland Crossing	9	Stream Cr				amp Mats Neede	ed	Notes				
~ 900 feet we	st	Y N		Υ	N		Υ	N						

Project: Flag Series: Observers: Date:	400 – 405 T. Ramboi	ate Reliability Pro ger/J. Kennedy _		_	Wetland ID Town: Weather: Time:		ISR# W-03				- - -
Dominant NW	/I Class: PS	S			Other NWI	Class	es:				
Trees:		n (Record Specie N/A	s and Occ - - - -	urrence Pe	Shrubs:	Witch Highl	kled alder n-hazel (Ha bush blueb	amamelis	virgi	niana) - C	
Saplings/Lian		N/A	- - - -		Herbs/Fort	Spha Cinna Sens Sedg Steep	agnum mos amon fern itive fern (i ges (Carex plebush (S	(Osmuno Onoclea spp.) - C	da cir sens	nnamomea ibilis) -C	ı) -C
	, ,,	- Abundant (26-5		•		arse (<5%)				
Representativ	Perm. Flooded	Semi Perm. Flooded	Sea	ere appropr asonally oded X		idal:	Subtida	al		Irregularly	Exposed
	Saturated	Intermittently		ficially oded			Reg. F	looded		Irregularly	Flooded
Hydrologic Inc	dicators:	Silt Deposition			Water-Stain Leaves Drift Lines	ed	Water	Marks ge Patte	me		
Ponding		Buttressed T			Depth of Inundation:			to Soil S		tion:	
Representativ	ve Soil Chara	acteristics:		_X M	lineral			Organic			
Depth (in)					rix Color			Redox	Feat	ures/Notes	i
0 - 6 6 - 20+	0 - 6 A Sandy loa				YR 2/1 5 Y 5/1						
Other Soil Ob	servations:	Area mapped as	3 - Ridgeb	ury, Leicest	ter, and Whitn	nan so	ils, extrem	ely stony	,		
River/Stream	Data: N/A				rennial			Intermitte	ent		
Depth @ Cen		Bank Height:		Channe			Notes:				
Flow Rate: Slow Moderate Fast Substrate %: Peat- Muck Silt-Mud Sand			Ban Gra	k Configuratio	n:	Cobbles		Verti Boul		Gradual Artificial	
Access Route Nearest Road ~ 1,800 feet v	d Crossing	Wetland Crossi		Stream C	Crossing N	Si	wamp Mats	s Needeo	d	Notes	
1,000 ieet v	voot	i IN		1.	14			i V			

Dominant NWI					Town: Weather: Time:	- -	ENSR# W-03-WI-083/NU# w20-83 Chaplin, CT				
	Class: PSS				Other NW	l Clas	ses: PFO			-	
Representative	e Vegetation	(Record Species a	and Occu	rrence Pe	rcentage):						
		canadensis) -A ıla alleghaniensis)	-C		Shrubs:	High	perbush (Clethra anbush blueberry (Vadowsweet (Spirae	/acciniu	um corymb	oosum) -C	
Saplings/Liana	ns:				Herbs/For	bes:					
		/A				Sed	sitive fern (Onocle ges (Carex spp.) - eplebush (Spiraea	С	,		
D = Dominant	(>50%) A =		6) C = C	ommon (6	i-25%) S = Si	narse	(<5%)				
		Characteristics (C					(-,-,				
	Perm.	Semi Perm.		sonally		Tidal:	Subtidal		Irregularly	Exposed	
	Flooded	Flooded		ded X		. raai.	Cabada		oguiun,	ZAPOGGG	
:	Saturated	Intermittently Flooded	Artific				Reg. Flooded		Irregularly	Flooded	
Hydrologic Indi	icators:	Silt Deposition	_		Water-Stair Leaves X		Water Marks				
		Surface Scouri	ng		Drift Lines		Drainage Pat	terns			
		Buttressed Tre	es		Depth of Inundation:		Depth to Soil	Satura	tion:		
		'					-				
Representative	e Soil Charac	teristics:		X N	lineral	_	Organic	;			
Depth (in) 0 - 6	Horizon				trix Color		Redo	x Feat	ures/Note:	S	
6 – 20+	A Bw	Sandy loa Sandy loa			YR 2/1 5 Y 4/2						
Other Soil Obs	servations: Ar	ea mapped as 3 -	Ridgebu	ry, Leices	ter, and Whitr	nan s	oils, extremely sto	ny			
River/Stream D	Data: N/A			Pe	rennial	_	Interm	ittent			
Depth @ Cente		Bank Height:			el Width		Notes:				
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand	Ban	k Configuration	on:	Undercut	Verti		Gradual Artificial	
Substrate %:	Muck	SIII-IVIUU	Sanu	Gra	vei		Copples	Doul	uers	Artificial	
Access Routes	5										
Nearest Road	Crossing	Wetland Crossing		Stream C	Prossing	5	Swamp Mats Need	led	Notes		
~ 2,200 feet we	Ü	Y N		Υ	N	Y	<u> </u>				

Project: Flag Series: Observers: Date:	100 – 113	ate Reliability Proje & 200 - 210 ger/J.Kennedy			Wetland Town: Weather: Time:	Cl	NSR# W-03 haplin, CT _			
Dominant NV	WI Class: PS	S/PFO			Other NV	VI Class	ses: PEM_			_
Representati	ve Vegetation	(Record Species	and Occu	ırrence Pe	rcentage):					
Trees: Red	d maple (Ace	r rubrum) -A			Shrubs:		perbush (Cl bush blueb		folia) - A cinium corym	nbosum) -A
Saplings/Liar	nas:				Herbs/Fo	rbes:				
		N/A				Cinn	amon fern	(Osmunda	ensibilis) -A a cinnamome num sp.) -A	ea) -A
D = Dominan	nt (>50%), A =	- Abundant (26-50	%), C = C	ommon (6	-25%), S = \$	Sparse	(<5%)			
-	ve Hydrologic	Characteristics (C	Circle whe	re appropr	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal:	Subtida	al	Irregulari	y Exposed
	Saturated	Intermittently Flooded	Artifi Floo	cially ded			Reg. F	looded	Irregulari	y Flooded
Hydrologic In	idicators:	Silt Deposition	1		Water-Sta	ined	Water	Marks		
Also –					Leaves					
Portion pond	ed	Surface Scour	-		Drift Lines		Draina	ge Patterr	ns	
Area identifie Pool/Amphibi habitat		Buttressed Tre	ees		Depth of Inundation	n:	Depth	to Soil Sa	turation:	
Representati	ve Soil Chara	cteristics:		X M	ineral	_	c	rganic		
Depth (in)	Horizo	n Textur	e	Mat	rix Color			Redox F	eatures/Note	es
0 - 8	A	Sandy Id			YR 2/1				-	
8 – 20+	Bw	Sandy Id	oam	10	YR 4/2					
Other Soil Of	hservations:	Area mapped as 3	- Ridaehu	ırv I eicest	er and Whi	tman so	nile evtrem	elv stony		
River/Stream		пса тарреа аз о	ragese		rennial	unan se		Intermitte	nt	
Depth @ Cer	nter:	Bank Height:		Channe	l Width		Notes:			
Flow Rate:	Slow	Moderate	Fast		k Configurat	tion:	Undercu	ıt \	/ertical	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav	vel		Cobbles	E	Boulders	Artificial
Access Route	es									
Access Route		Wetland Crossing	g	Stream C	rossing	S	Swamp Mats	s Needed	Notes	

Date: 03/12/08 Time: Dominant NWI Class: POW/PFO/PSS	Project: Flag Series: Observers:	300 – 338 T. Rambor	ate Reliability Proger/J. Kennedy		-		Wetland Town: Weather:			NSR# W-03-WI-085/NU# W20-85 haplin, CT				
Representative Vegetation (Record Species and Occurrence Percentage): Trees: Red maple (Acer rubrum) -A	Date:	03/12/08_					Time:							_
Trees: Red maple (Acer rubrum) -A	Dominant NV	/I Class: PO	W/PFO/PSS				Other NV	VI Cla	asse	s:				
Saplings/Lianas: N/A Sensitive ferm (Onoclea sensibilis) - A Sphagnum moss (Sphagnum sp.) - A Clinnamon ferm (Osmunda cinnamomea) - C Clinnamon ferm (Osmunda cinnamon fer	Representati	ve Vegetation	(Record Specie	es and Occi	urren	ce Pe	rcentage):							
Sensitive fern (Onoclea sensibilis) - A Sphagnum moss (Sphagnum sp.) - A Cinnamon fern (Osmunda cinnamomea) - C D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Flooded Floo	Trees: Rec	I maple (Acei	rubrum) -A	_			Shrubs:							
Sphagnum moss (Sphagnum sp.) - A Cinnamon fern (Osmunda cinnamomea) - C D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Tidal: Subtidal Irregularly Exposed Flooded Floo	Saplings/Liar	as:		_			Herbs/Fo	orbes:	:					
Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Flooded F			N/A	- - -				Sp	ohag	num mos	ss (Spha	agnum	sp.) -A	a) -C
Non-Tidal: Perm. Flooded Flood	D = Dominan	t (>50%), A =	Abundant (26-	– 50%), C = C	omn	non (6	-25%), S = 5	Spars	se (<	5%)				
Flooded Floode	Representati	e Hydrologic	Characteristics	(Circle who	ere a	opropr	riate)							
Hydrologic Indicators: Silt Deposition Water-Stained Leaves X Water Marks	Non-Tidal:					lly		Tida	l:	Subtid	al		Irregularly	Exposed
Also - Elevated root systems Inundated soils Man-made Ponded portion Representative Soil Characteristics: Depth (in) Horizon Texture Matrix Color Redox Features/Notes Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony and W - Water River/Stream Data: N/A Perennial Intermittent Depth @ Center: Flow Rate: Slow Moderate Slow Slow Substrate %: Peat- Muck Nearest Road Crossing Wetland Crossing Stream Crossing Stream Crossing Swamp Mats Needed Notes		Saturated				/				Reg. F	Flooded			
Elevated root systems Inundated soils Man-made Ponded portion Buttressed Trees Depth of Inundation: Depth to Soil Saturation: Organic Depth (in) Horizon Texture Matrix Color Redox Features/Notes Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony and W - Water River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes		dicators:	Silt Depositi	on						Water	Marks			
Inundated soils Man-made Ponded portion Buttressed Trees Depth of Inundation: Depth to Soil Saturation: Depth to Soil Satura		systems	Surface Sco	ouring			Drift Lines	3		Draina	ge Patte	erns	Х	
Man-made Ponded portion Representative Soil Characteristics: X Mineral Organic Depth (in) Horizon Texture Matrix Color Redox Features/Notes Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony and W - Water Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony and W - Water River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes		-	Buttressed 7	Trees						Depth	to Soil S	Satura	tion:	
Depth (in) Horizon Texture Matrix Color Redox Features/Notes Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony and W - Water River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Man-made P	onded portion	1				Inundation	1:						
Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony and W - Water River/Stream Data: N/A	Representati	ve Soil Chara	cteristics:		x_	M	lineral			(Organic			
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Depth (in)	Horizo	n Text	ture		Mat	rix Color				Redox	k Feat	ures/Notes	3
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes								+						
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes														
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes								+						
Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Other Soil Ob	servations: A	Area mapped as	3 - Ridgebı	ıry, L	eicest	ter, and Whi	tman	soils	s, extrem	ely ston	y and	W - Water	r
Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Muck Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	River/Stream	Data: N/A				_ Per	rennial				Intermi	ttent		
Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes					С									
Muck Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes								tion:						
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Substrate %.		Siit-iviuu	Saliu		Gla	vei			Copples		Boul	uers	Artificial
	Access Route	es												
~ 750 feet east Y N Y N Y N		Ü		_		eam C				amp Mat		ed	Notes	
	~ 750 feet ea	st	Υ Ν	1	Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	100 – 121	ate Reliability Pro & 200 – 205 ger/J. Kennedy _			Wetland II Town: Weather: Time:		ENSR# W-03-W Chaplin, CT				
Dominant NW	VI Class: PU	B/PEM/PFO		_	Other NW	/I Cla	sses:				
Representativ	ve Vegetation	(Record Specie	s and Occ	currence Pe	rcentage):						
Trees:		N/A	-		Shrubs:	_	N/	Α			
Saplings/Lian		N/A			Herbs/For		ssock sedge (Ca	arev etric	a) - A		
			- - -			Ca	ttails (Typha lati dges (Carex spp	folia) -C			
D = Dominant	t (>50%), A =	- Abundant (26-5	0%), C =	Common (6	-25%), S = S	parse	e (<5%)				
Representativ	ve Hydrologic	Characteristics	(Circle wh	ere appropi	riate)						
Non-Tidal:	Perm. Flooded 2	Semi Perm. Flooded		asonally oded		Tidal	Subtidal		Irregularl	y Exposed	
	Saturated	Intermittently Flooded		ificially oded		Reg. Flooded Irregularly					
Hydrologic Ind	dicators:	Silt Deposition	on		Water-Stai Leaves)		Water Mar	ks			
Inundated soi	ils	Surface Sco	uring		Drift Lines		Drainage F	Patterns			
Elevated root	svstems	Buttressed T	rees		Depth of		Depth to S	ioil Satur	ation:		
Area ponded	,				Inundation	:					
Area identifie Pool/Amphibi habitat											
Representativ	ve Soil Chara	cteristics:		_x N	lineral		Orga	nic			
Depth (in)	Horizo	n Text	ure	Mat	rix Color	T	Re	edox Fea	tures/Note	es	
Other Soil Ob	servations: A	Area mapped as	15 - Scarb	ooro muck a	nd 17 - Tima	kwa 8	& Natchaug				
River/Stream	Data: N/A			Pe	rennial		Inte	rmittent			
Depth @ Cen		Bank Height:	T = .	Channe			Notes:	T.,			
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Ban Gra	k Configurati vel	on:	Undercut Cobbles			Gradual Artificial	
Access Route	es	1	1							1	
Nearest Road	d Crossing	Wetland Crossi	ng	Stream C	rossing		Swamp Mats No	eeded	Notes		
~ 600 feet we	est	Y N		Υ	N		Y N				

Project: Flag Series:	CT-Intersta 300 - 331	ate Reliability Pro	ject	-		Wetland I Town:			R# W-03-V olin, CT				
Observers: Date:	T. Ramboi 03/12/08	ger/J. Kennedy _		-		Weather: Time:							_
Dominant NW	'I Class: PF	O/PSS				Other NW	/I Cla	asses	:				
Representativ	e Vegetation	(Record Specie	s and Occ	urren	ce Pe	rcentage):							
Trees: Red	maple (Ace	rubrum) -A	-			Shrubs:	Hi	ghbu	sh blueber	rry (Vac	cinium	n coryml	bosum) -A
			-									_	
Saplings/Liana	as:					Herbs/For	rbes:	:					
		N/A	- - -				Se Go Se	ensitiv olden edges	non fern (C ve fern (Or rod (Solida s (Carex sp sh (Juncus	noclea s ago sp.) op.) -C	ensibi -C		a) -A
D = Dominant	(>50%), A =	Abundant (26-5	0%), C = C	Comm	on (6	-25%), S = S	pars	e (<5	5%)				
Representativ	e Hydrologic	Characteristics	(Circle whe	ere ap	propr	iate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonal			Tida	l:	Subtidal		Irr	egularly	Exposed
	Saturated Intermittently Art Flooded Flo								Reg. Floo	oded	Irr	regularly	/ Flooded
Hydrologic Inc		Silt Deposition	on			Water-Stai			Water Ma	arks			
Pool/Amphibia		Surface Sco	uring			Drift Lines			Drainage	Patterr	ıs X		
habitat		Buttressed T	rees			Depth of Inundation	:		Depth to	Soil Sat	turatio	on:	
						I		1					
Representativ	e Soil Chara	cteristics:		_x	M	ineral			Org	ganic			
Depth (in)	Horizo					rix Color			F	Redox F		es/Note	s
0 - 6 6 - 20+	A Bw	Sandy Sandy				YR 2/1 YR 6/1	+				-		
				-			\perp						
Other Soil Ob	servations: A	Area mapped as	62C - Cant	ton &	Charl	ton soils, 3-1	5% s	slope	s, extreme	ely stony	,		
River/Stream	Data: N/A				_ Per	ennial			In	termitte	nt		
Depth @ Cent	ter:	Bank Height:		C	hanne	l Width			Notes:				
Flow Rate:	Fast			k Configurati	ion:		Undercut		ertica		Gradual		
Substrate %: Peat- Silt-Mud Sand Muck					Grav	vel			Cobbles	E	Boulde	ers	Artificial
Access Route							_						
Nearest Road		Wetland Crossi	-		eam C	rossing			mp Mats N		- 1	Notes	
~ 1,200 feet w	rest	Y N		Υ		N		Υ	Г	N			

Flag Series: Observers: Date:	100 – 109 & T. Ramborge 03/17/08	e Reliability Project 200 - 212 er/J. Kennedy		Wetland ID: Town: Weather: Time:		R# W-03-WI-08 blin, Ct		
Dominant NW	/I Class: PFO/	PSS		Other NWI Cl	lasses	s:		_
Representativ	ve Vegetation (Record Species and	d Occurrence Pe	rcentage):				
	I maple (Acer rete pine (Pinus s			P	Pepper	od (Carpinus ca rbush (Clethra a erry (Lyonia ligus	Inifolia) - A	
Saplings/Lian	as:			Herbs/Forbes	s:			
		A		S	Sphagr Cinnan	num moss (Spha non fern (Osmur cabbage (Symp	nda cinnamor	nea) -C
D = Dominant	t (>50%), A = A	Abundant (26-50%),	C = Common (6	 -25%), S = Spar	rse (<	5%)		
Representativ	re Hydrologic C	Characteristics (Circ	e where appropr	riate)				
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Seasonally Flooded X	Tida	al:	Subtidal	Irregula	arly Exposed
	Saturated	Intermittently Flooded	Artificially Flooded			Reg. Flooded	Irregula	arly Flooded
Hydrologic Ind Also –	dicators:	Silt Deposition		Water-Stained Leaves X	j	Water Marks	'	
Inundated So	ils	Surface Scouring		Drift Lines		Drainage Patte	erns X	
		Buttressed Trees		Depth of Inundation:		Depth to Soil S	Saturation:	
	e Soil Charact			Mineral	_	Organic		
Depth (in)	Horizon	Texture	Mat	trix Color	_		x Features/No	otes
			Mat				x Features/No	otes
Depth (in) 0 - 16	Horizon C	Texture	Mat	trix Color			x Features/No 	otes
Depth (in) 0 - 16 16+	Horizon C R	Texture Sandy loam	Mat 10	trix Color			x Features/No	otes
Depth (in) 0 - 16 16+	Horizon C R	Texture Sandy loam	Mat 10	trix Color YR 2/1		Redox		otes
Depth (in) 0 - 16 16+ Other Soil Ob	Horizon C R Servations: Are	Texture Sandy loam Sandy loam as a mapped as 15 - \$	Mat 10 Scarboro muck Per	trix Color YR 2/1				otes
Depth (in) 0 - 16 16+ Other Soil Ob River/Stream Depth @ Cen	Horizon C R Servations: Are	Texture Sandy loam	Mat 10 Scarboro muck Pe	trix Color YR 2/1		Redox		
Depth (in) 0 - 16 16+ Other Soil Ob	Horizon C R servations: Are Data: S-03-WI	Texture Sandy loam an amapped as 15 - 8 -030 Bank Height: 1 - 3 Moderate Fa	Mat 10 Scarboro muck Pe	rennial al Width 3 – 5' als Configuration:		Redox XInterm	nittent	Gradual X
Depth (in) 0 - 16 16+ Other Soil Ob River/Stream Depth @ Cen	Horizon C R servations: Are Data: S-03-Wilter: 1 - 2" Slow Peat- Muck	Texture Sandy loam amapped as 15 - 9 -030 Bank Height: 1 - 3 Moderate Fa	Mat 10 Scarboro muck Per Channe	rennial al Width 3 – 5' als Configuration:		XInterm Notes: Undercut Cobbles	nittent	Gradual X
Depth (in) 0 - 16 16+ Other Soil Ob River/Stream Depth @ Cen Flow Rate: Substrate %:	Horizon C R servations: Are Data: S-03-Willer: 1 - 2" Slow Peat- Muck	Texture Sandy loam amapped as 15 - 9 -030 Bank Height: 1 - 3 Moderate Fa	Mat 10 Scarboro muck Per Channe	rix Color YR 2/1 rennial al Width 3 – 5' als Configuration:		XInterm Notes: Undercut Cobbles	nittent Vertical Boulders	Gradual X Artificial

Project: Flag Serie Observer Date:		100 – 118;	te Reliability Proj 200 – 217; & 300 ger/J. Kennedy _	- 311	-		Wetland Town: Weather Time:			SR# W-03		/NU# W	20-89	- - -
Dominant	t NW	Class: PFC)				Other NV	VI CI	asse	s: PSS/F	POW			-
Represer	ntative	e Vegetation	(Record Species	and Occ	urren	ce Per	rcentage):							
		maple (Acer w birch (Bet	rubrum) -A ula alleghaniensis	s) - A			Shrubs:	Р	eppe	ood (Carp erbush (C oush (Line	lethra alr	nifolia) -(С	
Saplings/	 Liana	IS:					Herbs/Fo	- orbes	:				_	
			N/A					S	edge kunk	num mos s (Carex cabbage	spp.) -C			s) - C
			Abundant (26-50					Spars	se (<	5%)				
			Characteristics (iate)							
Non-Tida		Perm. Flooded	Semi Perm. Flooded	1	sonal			Tida	al:	Subtida	al	Irre	egularly	Exposed
	Saturated Intermittently Artificially Flooded Flooded									Reg. F	looded	Irre	egularly	Flooded
-	ic Ind	icators:	Silt Deposition	1			Water-Sta Leaves			Water	Marks			
	d eoile		Surface Scou	ring			Drift Lines	3		Draina	ge Patte	rns X		
Area iden	Also – Inundated soils Area identified as Vernal Pool/Amphibian breeding nabitat Surface Scouring Buttressed Trees						Depth of Inundation	n:		Depth	to Soil S	aturatior	n:	
Represer	ntative	e Soil Chara	cteristics:		x	M	ineral			(Organic			
Depth	(in)	Horizor	n Textu	re		Matr	rix Color				Redox	Feature	s/Notes	
0 - 1		С	Sandy lo	oam		10	YR 2/1							
12+		R												
Other Soi	il Obs	ervations: A	rea mapped as 1	5 - Scarb	oro m	uck								
River/Stre	eam [Data: Button	ball Brook (S-03-\	VI-031/s2					al	x_	In	termitter	nt	
		er: 6 – 12"	Bank Height: 1		C		l Width 4 –			Notes:				
Flow Rate Substrate		Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Grav	k Configura /el	tion:		Cobbles X		Vertical Boulder		Gradual X Artificial
Access R	outes	3												
Nearest F			Wetland Crossin	g	Stre	am C	rossing		Swa	amp Mat	s Neede	d N	lotes	
~ 3,300 fe	eet ea	ast	Y N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	100 – 110; 2	e Reliability Proje 00 -214 ; & 300 - er/J. Kennedy	331		Wetland Town: Weather: Time:	Ch	NSR# W-03-WI-0			
Dominant NV	VI Class: POW	/PSS			Other NV	VI Class	es:			
Representati	ve Vegetation (Record Species a	and Occu	ırrence Pe	rcentage):					
Trees: Red	d maple (Acer r	ubrum) - A			Shrubs:		flora rose (Rosa ebush (Lindera b			
Saplings/Liar	nas:				Herbs/Fo	rbes:				
		A				Cinn Sens Tuss	agnum moss (Sp amon fern (Osm sitive fern (Onocl ock sedge (Care	iunda ci lea sens	nnamome sibilis) -C	a) - C
		Abundant (26-50% Characteristics (C				Sparse ((<5%)			
Non-Tidal:	Perm.	Semi Perm.		sonally	late)	Tidal:	Subtidal	-	Irregulari	/ Exposed
Non-ridal.	Flooded X	Flooded	Floo	,		riuai.	Sublidai		irregulari	у шхрозец
	Saturated	Intermittently Flooded	Artifi Floo	cially ded			Reg. Floode	ed	Irregulari	y Flooded
Hydrologic In	dicators:	Silt Deposition	-		Water-Sta		Water Marks	S		
Also –					Leaves					
nundated so	ils	Surface Scouri	ng		Drift Lines		Drainage Pa	atterns -	- X	
Area identifie Pool/Amphibi habitat (Off R	ian breeding	Buttressed Tre	es		Depth of Inundation	1:	Depth to So	il Satura	ation:	
Poprocontati	ve Soil Charact	oriation:		X M	lineral		Organ	io		
Depth (in)	Horizon	Texture			rix Color				tures/Note	_
0 - 6	A	Sandy loa			YR 2/1		Neu	- IUX Feat	-	5
6 - 12	Bw	Sandy loa	am	10	YR 6/1			-	-	
12+	R									
Other Soil Ob	oservations: Are	ea mapped as 17	- Timakı	wa & Natch	naug soils					
River/Stream	Data:			X P	erennial	_	Interr	mittent		
Depth @ Cer		Bank Height: 1 -			Width 3 – 9		Notes:	1		
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand	Ban	k Configurat vel	ion:	Undercut	Vert	ical Iders	Gradual X Artificial
	Muck			Sid			X	250		. u unoidi
Access Route	es									
Nearest Road	d Crossing V	Vetland Crossing		Stream C	rossing	S	wamp Mats Nee	eded	Notes	
~ 1,300 feet (east		Υ	N	Y	N				

Dominant NWI Class: PFO	Project: Flag Series: Observers: Date:	400 - 403	te Reliability Project		- - -	Wetland Town: Weather Time:				WI-091/NU		
Trees: Red oak (Quercus rubra) - A	Dominant N\	WI Class: PFC)			Other NV	VI Cla	asses	s:			
Saplings/Lianas: NA	Representat	ve Vegetation	(Record Species a	nd Occ	urrence Pe	rcentage):						
N/A	Trees: Re	d oak (Quercu	s rubra) - A			Shrubs:	Hi	ighbu	ush bluebe	erry (Vaccir	nium corym	bosum) -C
N/A	_						_					
Non-Tidal: Perm. Semi Perm. Seasonalily Tidal: Subtidal Irregularly Exposed Flooded Floo	Saplings/Lia		N/A			Herbs/Fo	S	edge: kunk	cabbage ((Symplocar		is) -C
Non-Tidal: Perm. Semi Perm. Flooded Flooded Flooded - X Tidal: Subtidal Irregularly Exposed	D = Dominar	nt (>50%), A =	Abundant (26-50%), C = C	Common (6	-25%), S = 3	Spars	se (<	5%)			
Flooded Flooded Flooded - X Reg. Flooded Irregularly Flooded F	Representat	ve Hydrologic	Characteristics (Ci	rcle whe	ere approp	riate)						
Flooded Flooded Water-Stained Leaves X Water Marks	Non-Tidal:						Tida	al:	Subtidal	I	Irregularly	/ Exposed
Leaves X		Saturated	,						Reg. Flo	ooded	Irregularly	/ Flooded
Representative Soil Characteristics:XMineralOrganic Depth	Hydrologic Ir	ndicators:	·			Leaves	Х					
Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 12 A Sandy loam 10 YR 2/1 12 - 15 C Sand 2.5 Y 5/3 15+ R Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soils River/Stream Data: N/A Perennial Intermittent Depth Conter: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes				-		Depth of			_		ration:	
Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 12 A Sandy loam 10 YR 2/1 12 - 15 C Sand 2.5 Y 5/3 15+ R Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soils River/Stream Data: N/A Perennial Intermittent Depth Conter: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes												
0 - 12 A Sandy loam 10 YR 2/1 12 - 15 C Sand 2.5 Y 5/3 15+ R Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soils River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Representat	ve Soil Chara	cteristics:		_X N	lineral			Or	rganic		
12 - 15										Redox Fea	atures/Note	S
Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soils River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Muck Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes				m								
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes			Saliu		2.	3 1 3/3						
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes												
Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Other Soil O	bservations: A	rea mapped as 17	- Timak	wa & Natch	naug soils						
Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	River/Stream	Data: N/A			Pe	rennial			Ir	ntermittent		
Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Depth @ Ce	nter:	Bank Height:		Channe	el Width			Notes:			
Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes						tion:						
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Substrate %	Gra	vel			Cobbles	Boi	ulders	Artificial			
	Access Rout	es										
~ 1,800 feet east Y N Y N Y N	Nearest Roa	d Crossing		Stream C	rossing		Swa	amp Mats	Needed	Notes		
	~ 1,800 feet	east	Y N		Υ	N		Υ		N		

Project: Flag Series: Observers: Date:	300 – 327 __ T.Ramborge	er/J.Kennedy				Wetland Town: Weather: Time:			plin/Ham				
Dominant NV	VI Class: PFO)/PSS				Other NV	VI Cla	asses	s:				
Representativ	ve Vegetation	(Record Species	and Occ	urren	ce Per	centage):							
Trees: Red	i maple (Acer	rubrum) -A				Shrubs:	Pe	ерре	suckle (L rbush (Cl oush (Lind	lethra al	nifolia	ı) -C	
Saplings/Liar	ias:					Herbs/Fo	rbes:						
	N	I/A					Se	ensiti ohag	ve fern (0 num mos	Onoclea s (Spha	sens gnum		•
D = Dominan	t (>50%), A =	Abundant (26-50	%), C = 0	Comm	non (6-	25%), S = S	Spars	e (<	5%)				
Representati	ve Hydrologic	Characteristics (Circle who	ere ap	opropri	ate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonal			Tida	l:	Subtida	al		Irregularly	Exposed
	Saturated	Intermittently Flooded		icially ded	′				Reg. F	looded		Irregularly	Flooded
Hydrologic In Also –	dicators:	Silt Deposition	ı			Water-Sta Leaves			Water	Marks			
Inundated so	ils	Surface Scou	ring			Drift Lines	i		Draina	ge Patte	rns	Х	
		Buttressed Tr	ees			Depth of Inundation	1:		Depth	to Soil S	atura	tion:	
Renresentatio	ve Soil Charac	tarietice:		х	Mi	neral				Organic			
Depth (in)	Horizon		re —	_^_		ix Color		_			Feat	ures/Notes	
0 - 16 16+	C R	Sandy le				YR 2/1				110000			,
Other Soil Ob	servations: Ar	rea mapped as 3	- Ridgeb	ury, L	eiceste	er, and Whi	tman	soils	s, extrem	ely ston	y		
River/Stream	Data: N/A					ennial				Intermit	tent		
Depth @ Cer	slow	Bank Height: Moderate	I =	CI		Width			Notes:	. 1	\ /t'	1	0
Flow Rate: Substrate %:	Fast Sand		Grav	Configurat	IION:		Undercu		Verti		Gradual Artificial		
Access Route	es												
Nearest Road	d Crossing	Wetland Crossin	q	Stre	eam Cr	ossing		Swa	amp Mats	s Neede	d	Notes	
~ 300 feet ea		Y N	-	Υ		N		Υ		N			

Town of Hampton, CT

Project: Flag Series: Observers: Date:	400 – 404	rger/J.	Kennedy		- -		Wetland Town: Weather: Time:		ENSR# W Hampton,			# w20-93	
Dominant NV	VI Class: PS	S					Other NV	/I Cla	asses:				
Representati	ve Vegetatio	n (Rec	ord Species	and Occ	urren	ice Pei	rcentage):						
Trees:		N/A					Shrubs:	_		N/A			
Saplings/Liar							Herbs/Fo			(0			
		_IN/A							kunk cabba phagnum n				is) - C
D = Dominan	t (>50%), A	= Abur	ndant (26-50°	%), C = 0	Comn	non (6	-25%), S = S	Spars	se (<5%)				
Representati	ve Hydrologi	c Char	acteristics (C	ircle who	ere a	ppropr	iate)						
Non-Tidal:	Perm. Flooded		emi Perm. ooded		sona oded	lly		Tida	al: Sub	tidal		Irregularly	y Exposed
	Saturated Intermittently Flooded				icially ded	У			Reg	. Floode	d	Irregularly	y Flooded
Hydrologic In	dicators:	Si	ilt Deposition	-			Water-Sta	ined	Wat	er Marks	3		
Also -							Leaves						
Former RR b	ed	Sı	urface Scour	ing			Drift Lines		Drai	nage Pa	tterns		
accumulating	water	Ві	uttressed Tre	es			Depth of Inundation	1:	Dep	th to Soi	il Satura	ation:	
Representati	ve Soil Char	acteris	tics:		_x_	M	ineral			_ Organi	ic		
Depth (in)	Horizo	n	Textur	е		Mat	rix Color			Red	lox Feat	tures/Note	s
0 – 20+	С		Sandy lo	am		10	YR 2/1				-	-	
								1					
Other Soil Ob	servations:	Area m	napped as 73	C - Chai	rlton-	Chatfie	eld complex	3-1	5% slopes,	very roc	ky		
River/Stream	Data: N/A					_ Per	ennial			Intern	nittent		
Depth @ Cer	nter:	Bai	nk Height:		С	hanne	l Width		Notes	S:			
Flow Rate: Slow Moderate							k Configurat	ion:	Unde		Vert		Gradual
Substrate %:	Peat- Muck	Silt	-Mud	Sand		Grav	/el		Cobb	les	Bou	Iders	Artificial
Access Route	es												
Nearest Road	d Crossing	Wetl	and Crossing]	Str	eam C	rossing		Swamp M	lats Nee	ded	Notes	
~ 300 feet we	est	Υ	N		Υ		N		Υ	N			

Project: Flag Series: Observers: Date:	100 - 109 8	te Reliability Proje 200 - 206 ger/J. Kennedy		-		Wetland Town: Weather: Time:			R# W-03-WI-		J# W20-94	- - -	
Dominant NW	/I Class: PFC	D/PSS				Other NV	VI Cla	asses	S:				_
Representativ	ve Vegetation	(Record Species	and Occi	urrenc	e Per	centage):							
Trees: Red	maple (Acer	rubrum) –A				Shrubs:	Sp	oeckl	wsweet (Spira ed alder (Alnu rbush (Clethra	s rugos	sa) -C		
Saplings/Lian	as:					Herbs/Fo	rbes:	:					
		N/A					Re	eed c	ve fern (Onoc canary grass (I ebush (Spirae	Phalaris	s arundinad	cea) -C	
 D = Daminant	L/> E00/ \ A =	Abundant (26 E0	/\ C = C		(6 :	250/) 0 - 0		- / - 1	E0/ \				
		Abundant (26-50	-				pars	ie (<	070)				
Representativ	e Hydrologic	Characteristics (C	ircle whe	ere ap	propri	ate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonall ded	- 1		Tida	l:	Subtidal		Irregularly	Exposed	
	Saturated	Intermittently Flooded	Artifi Floo	icially ded					Reg. Floode	d	Irregularly	Flooded	
Hydrologic Inc	dicators:	Silt Deposition	ı		-	Water-Sta			Water Marks	5			_
Also -						Leaves	Х						
Inundated soi	ls	Surface Scour	ing			Drift Lines			Drainage Pa	tterns -	X		
Area identified Pool/Amphibia habitat		Buttressed Tre	es			Depth of Inundation	n:		Depth to So	il Satur	ation:		
		'											_
Representativ	e Soil Charac	cteristics:		Х	Mi	neral			Organ	ic			
Depth (in)	Horizon	1 Textur	e		Matri	ix Color			Red	lox Fea	tures/Notes	S	
0 -10	A	Sandy lo				YR 2/1					-		
10 – 20+	Bw	Sandy Id	am		10 \	YR 6/1					-		
Other Soil Oh	servations: A	rea mapped as 10	13 - Rinno	owam	fsl								
		Brook (S-03-WI-		х_		erennial			Interr	mittent			_
Depth @ Cen		Bank Height: 1		Ch		Width 10 -			Notes:				
Flow Rate:	Slow	Moderate	Fast			Configurat	tion:	_[Undercut		tical	Gradual :	Х
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grav	el			Cobbles X	Воц	ılders	Artificial	
Access Route	es												_
		1M-H1 O '		04-	6		,	0	14-4-12	d - d	NI-4		
~ 1,200 feet v		Wetland Crossing)	Strea	am Cr	rossing	_	Swa	amp Mats Nee	ded	Notes		
1,200 1061 9		. 14		-		1.4		•					

Project: Flag Serie Observers Date:	es: 10 s: T.	00 – 131 _	e Reliability Proje		-	Wetland II Town: Weather: Time:		SR# W-03- npton, CT	-WI-102/NU	# W20-95	
Dominant	t NWI CI	ass: PFO/	PSS			Other NW	l Classe	es:			
Represen	ntative V	egetation (Record Species	and Occu	ırrence Pe	rcentage):					
,	Yellow b		ubrum) -A la alleghaniensis ıs alba) - C	i) - A		Shrubs:	Mead Peppe	owsweet (erbush (Cle	erry (Vaccin Spiraea latit ethra alnifol urnum sp.)	folia) -C ia) -C	oosum) -A
Saplings/I	Lianas:					Herbs/For	bes:				
-		N/.	A				Sensit Cinna	tive fern (C mon fern (s (Sphagnu Onoclea sen Osmunda o Thelypteris	isibilis) -A cinnamome	
D = Domi	inant (>5	50%), A = A	Abundant (26-50	%), C = C	ommon (6-	-25%), S = S	parse (<	5%)			
Represen	ntative H	ydrologic C	Characteristics (C	Circle whe	re appropr	riate)					
Non-Tidal	l: Per	rm.	Semi Perm.	Seas	sonally		Tidal:	Subtida	ı	Irregularly	Exposed
		oded	Flooded		ded X						
	Saturated Intermittently Artificially Flooded Flooded							Reg. Flo	ooded	Irregularly	Flooded
Hydrologi	ic Indica	tors:	Silt Deposition			Water-Stair		Water N	Marks		
Also –						Leaves >			5	.,	
Inundated	d soils		Surface Scour	•		Drift Lines		"	je Patterns		
			Buttressed Tre	es		Depth of Inundation:		Depth to	o Soil Satur	ation:	
Represen	ntative S	oil Charact	eristics:		X M	lineral		0	rganic		
Depth (Horizon	Textur			rix Color			Redox Fea	atures/Note	S
0 -15 15+		C R	Sandy lo	am	10	YR 2/1					
			+								
Other Soil	il Observ	vations: 730	C - Charlton-Cha	atfield con	nplex, 3-15	%, very rock	у				
		vations: 730		ıtfield con		%, very rock	у	_x	Intermitten	ıt	
River/Stre	eam Dat	a: S-03-WI			Per		y 	XNotes:	Intermitten	ıt	
River/Stre	eam Data Center:	a: S-03-WI 1 – 3" Slow	-037 Bank Height: 1 Moderate	- 3' Fast	Per Channe Ban	rennial I Width 3 - 5' k Configurati	_	Notes: Undercu	t Ver	tical	Gradual X
River/Stre	eam Data Center:	a: S-03-WI	-037 Bank Height: 1	- 3'	Per	rennial I Width 3 - 5' k Configurati	_	Notes:	t Ver		Gradual X Artificial
River/Stre	Center: e:	a: S-03-WI 1 – 3" Slow Peat-	-037 Bank Height: 1 Moderate	- 3' Fast	Per Channe Ban	rennial I Width 3 - 5' k Configurati	_	Notes: Undercu	t Ver	tical	
River/Stree Depth @ Flow Rate Substrate	Center: e: e %:	a: S-03-WI 1 – 3" Slow Peat- Muck	-037 Bank Height: 1 Moderate	- 3' Fast Sand	Per Channe Ban	rennial I Width 3 - 5' k Configuration	on:	Notes: Undercu	t Ver	tical	

Project: Flag Series: Observers:	400 – 403 T. Rambor	te Reliability Pro ger/J. Kennedy _		_		Wetland II Town: Weather: Time:			V-03-WI-10 CT			 _
Date:												_
Dominant NW						Other NW	I Cla	isses:				
	-	(Record Specie	s and Occ - - - -	urren	ce Pe	rcentage): Shrubs:	Hi Pe	ghbush bl epperbush	(Viburnum ueberry (V (Clethra a et (Spirae	accini Inifolia	um corymb a) - C	oosum) -C
Saplings/Lian		N/A	- - - -			Herbs/For			/ grass (Pl	nalaris	arundinad	cea) - A
D = Dominan	(>50%), A =	Abundant (26-5	0%), C = 0	Comm	on (6	-25%), S = S	pars	e (<5%)				
Representativ	e Hydrologic	Characteristics	(Circle wh	ere ap	propr	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonal			Tidal	I: Sub	tidal		Irregularly	Exposed
	Flooded Flooded Saturated Intermittently Flooded							Reg	j. Flooded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition	on			Water-Stail Leaves)		Wa	ter Marks			
		Surface Scor	uring			Drift Lines		Dra	inage Patt	erns		
		Buttressed T	rees			Depth of Inundation:	:	Dep	th to Soil	Satura	ation:	
Representativ	e Soil Chara	cteristics:		х	M	lineral			Organic			
Depth (in)	Horizor		ure	1		rix Color	Т.				tures/Notes	S
0 - 8	C R	Sandy	loam		10	YR 2/1				-	-	
0+	K											
Other Soil Ob	servations: A	rea mapped as	3 - Ridgeb	ury, L	eicest	ter, and White	man	soils, extr	emely stor	ıy		
River/Stream	Data: N/A				_ Pei	rennial			Intermi	ttent		
Depth @ Cen	ter:	Bank Height: Moderate		CI		el Width		Note				
Flow Rate: Substrate %:	Fast Sand		Ban Gra	k Configurati vel	on:	Cobl		Vert	ical Iders	Gradual Artificial		
Access Route												
Nearest Road ~ 2,900 feet v		Wetland Crossi Y N	•	Stre	am C	rossing		Swamp I	/lats Need	ed	Notes	
2,300 ieet v	root	i in		<u>'</u>		IN			14		1	

Project: Flag Series Observers: Date:	: 300 T. I	0 – 323	ger/J.Kennedy _				Wetland Town: Weather: Time:			R#W-03- pton, CT				- - -	
Dominant N	WI Cla	ss: PFC)/PSS				Other NV	VI Cla	asses	:					
Representa	tive Ve	getation	(Record Specie	es and Oc	curre	nce Per	rcentage):								
			rubrum) -A ula alleghanien:	sis) -A _ _			Shrubs:	Iro	onwoo	od (Carpi	inus ca	rolinia	na) -A		
Saplings/Li	anae.			_			Herbs/Fo	rhes							
— — — — — — — — — — — — — — — — — — —	ands.		N/A	- - - -			ricibs/r c	S _I Ci	phagn innam ensitiv	e fern (C	(Osmur Onoclea	nda cir sens	namomea	•	
D = Domina	ant (>50)%), A =	Abundant (26-	50%), C =	Com	mon (6-	-25%), S = S	Spars	se (<5	5%)					
Representa	tive Hy	drologic	Characteristics	(Circle w	here a	appropr	iate)								
Non-Tidal:	Perr		Semi Perm. Flooded		eason			Tida	al:	Subtida	al		Irregularly	Exposed	
	Saturated Intermittently Flooded					ly				Reg. FI	ooded		Irregularly	Flooded	
Hydrologic	Indicato	ors:	Silt Depositi	on			Water-Sta			Water I	Marks				
Also -							Leaves								
Inundated s	soils		Surface Sco	uring			Drift Lines			Drainag	ge Patte	erns	X		
			Buttressed	rees			Depth of Inundation	1:		Depth t	o Soil S	Satura	tion:		
Representa	tive So	il Chara	cteristics:		_x_	M	ineral			0	rganic				—
Depth (ir	1)	Horizon	Tex	ure		Mati	rix Color				Redox	Feat	ures/Notes	i	
0 - 10		Α	Fine san	-			YR 2/1								
10 – 20-	+	Bw	Loamy	sand		10	YR 4/2								
Other Soil (Observa	ations: A	rea mapped as	3 - Ridge	bury,	Leicest	er, and Whi	tman	soils,	, extreme	ely ston	у			
River/Strea				_			ennial				_ Intern	nittent			
Depth @ C			Bank Height:		(l Width 3 - 5			Notes:					
Flow Rate:		Slow	Moderate	Fast			k Configurat	ion:		Undercu		Verti		Gradual -	- X
Substrate %		Peat- Muck	Silt-Mud	Sand		Grav	/el			Cobbles		Boul	ders	Artificial	
Access Roi	ıtos														
		- alaa	Matland Co		1 04				Cur	man Mc+-	Naa-1	. al	Notes		
~ 2,800 fee		ssiriy	Wetland Cross		Y	ream C	N		Y	mp Mats	N	tu	Notes		
2,000 100				•	1.		1		L						

Project: Flag Series: Observers: Date:	100 - 110 8	ate Reliability Pro 3 200 - 209 ger/J. Kennedy _	_		Wetland I Town: Weather: Time:			SR# W-03				- - -	
Dominant NW	/I Class: PF0	0				Other NV	VI CI	asse	es: PSS_				
Representativ	ve Vegetation	(Record Species	and Occ	urren	ce Per	centage):							
	maple (Acer ow birch (Bet	rubrum) -A tula alleghaniensi	s) - A			Shrubs:			erry (Lyo kled alder				
Saplings/Lian	as:					Herbs/Fo	rbes	s:					
		N/A					G	inna iolde	gnum mos imon fern enrod (Sol es (Carex	(Osmur idago s	nda cii p.) -C	n sp.) -A nnamomea	a) -C
D = Dominan	t (>50%), A =	Abundant (26-50)%), C = (Comm	on (6-	25%), S = S	Spar	se (<	<5%)				
Representativ	e Hydrologic	Characteristics (Circle wh	ere ap	propri	ate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonal			Tida	al:	Subtid	al		Irregularly	Exposed
Saturated Intermittently Artificially Flooded Flooded									Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depositio	n			Water-Sta			Water	Marks			
Also -						Leaves							
Inundated soi	ls	Surface Scou				Drift Lines				ige Patte			
Area identifie Pool/Amphibi habitat (Off R	an breeding	Buttressed To	rees			Depth of Inundation	n:		Depth	to Soil S	Satura	tion:	
Representativ	ve Soil Chara	cteristics:		х_	Mi	neral			(Organic			
Depth (in)	Horizo					ix Color				Redox	k Feat	ures/Notes	3
0 -12 12+	C	Sandy	oam		10 \	/R 2/1					-		
Other Soil Ob	servations: A	rea mapped as 3	- Ridgeb	ury, L	eiceste	er, and Whit	tmar	n soil	ls, extrem	ely stor	ıy		
River/Stream	Data: N/A				_ Pere	ennial				Intermi	ttent		
Depth @ Cen		Bank Height:		C		Width			Notes:				
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Bank	Configurat	ion:		Cobbles		Verti	ders	Gradual Artificial
	*	•											
Access Route	es												
Nearest Road	Ü	Wetland Crossin	ng		am Cr	ossing			vamp Mat		ed	Notes	
~ 4,200 feet e	east	Y N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	300 – 308 T.Ramborg	ate Reliability Pro ger/J.Kennedy		_	Wetland Town: Weather: Time:	- 1	ENSR# W-03 Hampton, C1		# W20-99	
Dominant NV	VI Class: PF	O/PEM		_	Other NV	VI Cla	sses: PSS_			_
Representati	ve Vegetation	n (Record Specie	s and Occ	urrence P	ercentage):					
Trees: Red	d maple (Ace	r rubrum) -A	- - -		Shrubs:	Hiç	ghbush blueb	perry (Vaccin	ium corym	bosum) -A
Saplings/Liar	nas:		- - - -		Herbs/Fc	Ph Sp	ragmites (Ph hagnum mos nnamon fern	ss (Sphagnui	m sp.) -A	a) -A
D = Dominar	ıt (>50%), A =	- Abundant (26-5	- 0%), C = 0	Common (6-25%), S = \$	Spars	e (<5%)			
Representati	ve Hydrologic	Characteristics	(Circle wh	ere approp	priate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		asonally oded X		Tidal	: Subtida	al	Irregulari	y Exposed
Flooded Flooded Saturated Intermittently Flooded				ficially oded			Reg. F	looded	Irregularl	y Flooded
Hydrologic In Also –	dicators:	Silt Deposition			Water-Sta Leaves Drift Lines	Х	Water			
Inundated so	ils	Surface Sco Buttressed T			Depth of Inundation			ge Patterns to Soil Satur	ation:	
Representati	ve Soil Chara	acteristics:		r	Mineral		(Organic		
Depth (in)	Horizo	n Text	ure	Ma	atrix Color			Redox Fea	tures/Note	·s
0 - 12 12 - 20+	Oa C	Sandy			N 2.5/0 10 Y 6/0					
Other Soil Ol	oservations: A	Area mapped as	3 - Ridgeb	ury, Leices	ster, and Whi	tman	soils, extrem	ely stony		
River/Stream					erennial			Intermittent		
Depth @ Cer		Bank Height:	Fast		nel Width		Notes:			
Flow Rate: Slow Moderate Substrate %: Peat- Muck Silt-Mud					nk Configura avel	tion:	Cobbles		tical ulders	Gradual Artificial
Access Rout	d Crossing	Wetland Crossi		1	Crossing		Swamp Mat		Notes	
~ 3,900 feet	east	Y N		Υ	N		Υ	N	1	

Project: Flag Series: Observers: Date:	100 - 1	25 & 3 nborge	Reliability Proje 800 – 348 r/J. Kennedy			Wetland Town: Weather Time:			R# W-03-WI-09			_ _ _
Dominant NV	/I Class:	PFO/F	PSS			Other NV	VI Cla	asses	s: PEM			
Representativ	ve Vegeta	ation (F	Record Species	and Occu	ırrence Pei	rcentage):						
			ubrum) -A a alleghaniensis	-A		Shrubs:			ush blueberry (V rbush (Clethra a			oosum) -A
Saplings/Lian	as:					Herbs/Fo	orbes	:				
	1 (> E09/)		hundant (26 500	() C = C		25%) \$ = 4	Ti Se Ci Ci	ussoc ensiti innan attails	num moss (Sph ck sedge (Carex ive fern (Onocle non fern (Osmu s (Typha latifolia	stricta a sens nda ci	a) - A sibilis) -C	a) -C
			bundant (26-50%	•		-	opars	se (<:	5%)			
· .		ogic C	haracteristics (C			ıate)	_		Laure			
Non-Tidal:	Perm. Flooded		Semi Perm. Flooded		sonally ded X		Tida	al:	Subtidal		Irregularly	Exposed
	Saturate	ed	Intermittently Flooded	Artifi Floo	cially ded				Reg. Flooded		Irregularly	Flooded
Hydrologic In Also—	dicators:		Silt Deposition			Water-Sta Leaves			Water Marks			
Inundated so	ile		Surface Scouri	ng		Drift Lines	3		Drainage Patt	erns -	X	
Area identifie Pool/Amphibi habitat	d as Vern		Buttressed Tre	es		Depth of Inundation	n:		Depth to Soil	Satura	tion:	
Representativ	/e Soil Ch	naracte	eristics:		X M	ineral			Organic			
Depth (in)	Ho	rizon	Texture	9	Mati	rix Color			Redo	x Feat	ures/Notes	3
0 - 8		0	Muck			2.5/0				-	•	
8 – 20+		С	Sand		10	YR 6/1				_	•	
Other Soil Ob	servation	ns: Are	a mapped as 3 -	Ridgebu	ıry, Leicest	er, and Whi	itman	soils	s, extremely stor	ny		
River/Stream	Data: S-0	03-WI-	-033		Per	ennial			X Interr	nittent		
Depth @ Cer			Bank Height: 1 -			l Width 5 –			Notes:			
Flow Rate:	Slov		Moderate	Fast		k Configura	tion:		Undercut	Vert		Gradual X
Substrate %:	Peat Muc		Silt-Mud	Sand	Grav	/ei			Cobbles	Boul	ders	Artificial
Access Route	es											
Nearest Road	d Crossin	g V	Vetland Crossing		Stream C	rossing		Swa	amp Mats Need	ed	Notes	
~ 2,400 feet e	east	Υ	N		Υ	N		Υ	N			

Project: Flag Serie Observer: Date:	es: 3 's: 1	300 – 314 Г. Rambor 03/18/08	ger/J. Kenne			_		Wetland Town: Weather: Time:			FR# W-03		6/NU#	: w20-101	- - -
Dominant	t NWI C	Class: PF0)					Other NV	VI Cla	asses	S:				
Represen	ntative \	Vegetation	(Record Sp	ecies a	nd Occ	urrer	nce Per	centage):							
			rubrum) -C ula alleghan	iensis)	-C			Shrubs:	-			_N/A_			
Saplings/l	Lianas		N/A					Herbs/Fo	S	phagi	num mos ck sedge				
		-	Abundant (Spars	se (<	5%)				
			Characteris					iate)							
Non-Tidal		erm. looded	Semi Pe Flooded	rm.		sona			Tida	al:	Subtida	al		Irregularly	Exposed
	Saturated Intermitt Flooded		ently		iciall ded	у				Reg. F	looded		Irregularly	Flooded	
Hydrologi	ic Indic	ators:	Silt Depo	sition				Water-Sta Leaves			Water	Marks			
			Surface	Scourin	g			Drift Lines	;		Draina	ge Patte	erns	Х	
			Buttress	ed Tree	s			Depth of Inundation	n:		Depth	to Soil S	Satura	tion:	
Represen	ntative	Soil Chara	cteristics:			x	M	ineral				Organic			
Depth	(in)	Horizoi	n -	Texture			Mati	rix Color				Redox	k Feat	ures/Notes	3
Other Soi	il Obse	rvations: A	rea mapped	as 3 - I	Ridgeb	ury, I	_eicest	er, and Whi	tman	soils	s, extrem	ely ston	ny		
		ata: S-03-V						ennial			_x	_ Intern	nittent		
Depth @			Bank Heig			C		Width 3 –			Notes:	.4	\/auti		Gradual X
Flow Rate Substrate		Slow Peat- Muck	Moderate Silt-Mud		Fast Sand		Grav	c Configura	uOH:		Cobbles		Verti		Artificial
Access R	loutes														-
Nearest F	Road C	rossing	Wetland Cr	ossing		Str	eam C	rossing		Swa	amp Mats	s Neede	ed	Notes	
~ 2,300 fe			Υ	N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	30 T.	00 – 310 _	e Reliability Proj er/J. Kennedy _		_		Wetland Town: Weather: Time:			SR# W-03-WI-09			_ _ _
Dominant NV	VI CI	ass: PFO	/PSS				Other NV	VI Cla	asse	s: PUBHh			
Representati	ve V	egetation	(Record Species	and Occ	urren	ce Pe	rcentage):						
			rubrum) - A ıla alleghaniensi:	s) -C			Shrubs:			erbush (Clethra a bush (Lindera be		,	
Canlings/Lie							Uarba/⊏a	-					
Saplings/Liai	ias.						Herbs/Fo	С	innaı	mon fern (Osmu cabbage (Symp			,
D = Dominar	nt (>5	50%). A = /	Abundant (26-50)%), C = (Comn	non (6	-25%). S = S	Spars	se (<	:5%)			
			Characteristics (•	*			
Non-Tidal:		rm.	Semi Perm.		sona		I I	Tida	al:	Subtidal		Irregularly	Exposed
	Flo	oded	Flooded	Flo	oded -	- X							
	Sa	turated	Intermittently Flooded		ficially oded	,				Reg. Flooded		Irregularly	Flooded
Hydrologic Ir	ndica	tors:	Silt Deposition	n			Water-Sta			Water Marks			
Also –			Surface Scou	ring			Leaves Drift Lines			Drainage Pati	orno	v	
Inundated so	ils		Buttressed Tr				Depth of	'		Depth to Soil			
Ponded			Buttlessed 11	ees			Inundation	1:		Deptil to Soil	Satura	ilion.	
Representati	ve S	oil Charac	teristics:		х	M	lineral			Organio			
Depth (in)		Horizon		re			rix Color		_			tures/Notes	3
0 - 8		Α	Sandy le	oam			YR 2/1				-		
8 – 20+		Bw	Sandy le	oam		10	YR 5/2				-	-	
Other Soil O	bsen	vations: Ar	ea mapped as 1	8 - Catde	n and	Freet	town soils						
River/Stream	n Dat	a: N/A				Per	rennial			Interm	ittent		
Depth @ Ce	nter:		Bank Height:		С	hanne	el Width			Notes:			
Flow Rate:		Slow	Moderate	Fast			k Configurat	tion:		Undercut	Vert		Gradual
Substrate %:		Peat- Muck	Silt-Mud	Sand		Grav	vei			Cobbles	Boul	Iders	Artificial
Access Rout	es												
Nearest Roa	d Cr	ossing	Wetland Crossin	ıg	Stre	am C	rossing		Sw	amp Mats Need	ed	Notes	
~ 2,300 feet			Y N		Υ		N		Υ	N			

Project: Flag Series Observers: Date:	i: 100 – T. Ra	- 112 &	e Reliability 200 – 228 er/J. Kenned					Wetland Town: Weather Time:			R# W-03			W20-103	- - -
Dominant N	NWI Class	: PFO	/PSS					Other N\	NI CI	asses	s:				
Representa	ative Vege	etation (Record Spe	cies ar	nd Occ	urren	ce Per	centage):							
	_		ubrum) -A	_				Shrubs:	M	lultiflo	rbush (C ora rose (oush (Line	Rosa m	nultiflo	ra) -A	
Saplings/Li	anas:							Herbs/Fo	orbes	::					
- - -		N	/A						S	ensiti	cabbage ve fern (nellebore	Onoclea	sens		s) -A
D = Domina	ant (>50%), A = /	Abundant (2	 6-50%), C = C	Comm	non (6-	25%), S =	Spar	se (<	5%)				
			Characteristi												
Non-Tidal:	Perm.	m.		sonal		,	Tida	al:	Subtida	al		Irregularly	Exposed		
	Flooded Flooded Saturated Intermitten Flooded			ntly		icially ded	′				Reg. F	looded		Irregularly	Flooded
Hydrologic	Indicators	s:	Silt Depos	sition				Water-Sta Leaves			Water	Marks			
			Surface S	courin	g			Drift Lines	8		Draina	ge Patte	erns	Х	
			Buttresse	d Tree	s			Depth of Inundatio	n:		Depth	to Soil S	Satura	tion:	
Representa	ative Soil (Charac	teristics:			_x	Mi	neral				Organic			
Depth (ir	n) H	lorizon	T	exture			Matr	ix Color				Redox	Feat	ures/Notes	
0 - 8		Α		ıdy loaı				YR 2/1					-		
8 – 20+	-	Bw	San	idy loai	m		10`	YR 6/2							
Other Soil	Observation	ons: Ar	ea mapped	as 47C	- Woo	dbrid	ge fsl,	2-15% slop	oes, e	extren	nely stor	у			
River/Strea						Χ		rennial				Intermit	tent		
Depth @ C			Bank Heigi Moderate		ast	CI		Width 8 – Configura			Notes: Undercu	ıt	Verti	ral	Gradual X
Flow Rate: Slow Moderate Substrate %: Peat- Muck Silt-Mud					Sand		Grav		uon.		Cobbles		Boul		Artificial
	IVIUCK														
Access Ro	utes														
Nearest Ro	ad Crossi	ing '	Wetland Cro	ssing		Stre	eam Cr	ossing		Swa	amp Mat	s Neede	ed	Notes	
Adjacent to Road	Pudding	Hill '	Y	N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	300 – 351	te Reliability Project		Wetland Town: Weather: Time:	Hai	SR# W-03-WI-09 mpton, CT			- - -
Dominant NV	VI Class: PFC	/PSS		Other NV	VI Classe	es:			
Representati	ve Vegetation	(Record Species an	d Occurrence F	Percentage):					
Trees: Red	d maple (Acer	rubrum) -A		Shrubs:	Multif Peppe	nese barberry (Belora rose (Rosa rerbush (Clethra abush (Lindera be	multiflor alnifolia	a)-A)-C) -A
Saplings/Liar	nas:			Herbs/Fo		busii (Liiluela be	1120111)	-0	
D = Dominan		Abundant (26-50%)	, C = Common	(6-25%), S = S	Spha Christ Poiso	itive fern (Onocle gnum moss (Sph tmas fern (Polyst in ivy (Toxicoden <5%)	agnum ichum	sp.) -A acrosticho	
Representati	ve Hydrologic	Characteristics (Circ	cle where appro	priate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Seasonally Flooded X		Tidal:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artificially Flooded			Reg. Flooded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition	I	Water-Sta Leaves	х	Water Marks			
Inundated so	ils	Surface Scouring	ı	Drift Lines	i	Drainage Pat	terns	Х	
		Buttressed Trees	ı	Depth of Inundation	1:	Depth to Soil	Satura	tion:	
Representati	ve Soil Charac	eteristics:	x	Mineral		Organic	;		
Depth (in)	Horizon	Texture		atrix Color		Redo	x Feat	ures/Notes	;
0 - 6	A	Sandy loan		0 YR 3/2			-		
6 – 20+	Bw	Sandy loan	1	2.5 Y 5/2			-		
Other Soil Ob	oservations: A	rea mapped as 47C	- Woodbridge f	sl, 2-15% slop	es, extre	emely stony			
	Data: S-03-W			Perennial			mittent		
Depth @ Cer		Bank Height: 1 – 3		nel Width 5 –		Notes:	11	1	Oradical V
Flow Rate: Substrate %:	Slow Peat- Muck			ank Configurat	uon:	Undercut	Bould		Gradual X Artificial
Access Route	es					1			1
		Motland Cross'	Char - · · ·	Creesing	-	uama Mata Miriri	امما	Netes	
Nearest Road Adjacent to F		Wetland Crossing Y N	Y	Crossing	Y	vamp Mats Need N	eu	Notes	

Project: Flag Series: Observers: Date:	400 – 40 T. Ramb	2 orge	e Reliability er/J. Kenned	dy		_		Wetland Town: Weather: Time:			SR# W-03		5/NU#	: w20-105	- - -
Dominant NV	VI Class: P	EM_						Other NV	VI Cl	asse	s:				
Representati	ve Vegetati	on (F	Record Spe	cies	and Occi	urren	ce Perc	centage):							
Trees:		_N//	A	_				Shrubs:	_			_N/A		_	
Saplings/Liar	nas:	_N//	Α					Herbs/Fo	G	olde	nrod (Sol			; us foetidus	s) –C
D = Dominan	t (>50%), A	. = A	bundant (2	6-50°	%), C = C	Comm	non (6-2	25%), S = \$	Spars	se (<	:5%)				
Representati	ve Hydrolog	jic C	haracteristi	cs (C	Circle whe	ere ap	opropria	ate)							
Non-Tidal:	Flooded Flooded Saturated Intermittently					sonal	,		Tida	al:	Subtida	al		Irregularly	Exposed
Saturated Intermittently Flooded			ntly		icially ded	′				Reg. F	looded		Irregularly	Flooded	
Hydrologic In	dicators:		Silt Depos	sition	I			Water-Sta Leaves			Water	Marks			
			Surface S	cour	ing			Drift Lines	6		Draina	ge Patt	erns		
			Buttresse	d Tre	ees			Depth of Inundation	n:		Depth	to Soil :	Satura	tion:	
Representati	ve Soil Cha	racte	eristics:			_X	Mir	neral			(Organic			
Depth (in)	Horiz	on		extur				x Color				Redo	k Feat	ures/Notes	1
0 - 8 8 - 20+	A Bv	/		idy lo idy lo				'R 3/2 ' 5/1			Many fine	e 10 YR	5/6 re	edoximorph	nic features
Other Soil Ob		Are	a mapped	as 47	C - Woo	dbrid			es, e	extrei					
River/Stream	Data: N/A							nnial		_		Intermi	ttent		
Depth @ Cer			Bank Heigl	ht:		CI	hannel				Notes:				
			Fast Sand		Bank Grave	Configura el	tion:		Cobbles		Verti		Gradual Artificial		
Access Route	es														
Nearest Road	d Crossing	٧	Vetland Cro	ssing	9	Stre	eam Cro	ossing		Sw	amp Mat	s Need	ed	Notes	
Adjacent to C Road	Cemetery	Υ	,	N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	300 – 358 T. Rambor	te Reliability Projeger/J. Kennedy			Wetland ID: Town: Weather: Time:		SR# W-03-WI-100 mpton, CT			 	
Dominant NV	WI Class: PFC)			Other NWI 0	Classe	es:				_
Representati	ve Vegetation	(Record Species	and Occ	urrence P	ercentage):						
		rubrum) –A s strobus) –A			Shrubs:	Japar	nese barberry (Be	rberis	thunbergi	ii) -A	
Saplings/Liar	nas:				Herbs/Forbe	es:					
D = Dominar		Abundant (26-50	%), C = (Common (Sensi Skunl	gnum moss (Spha itive fern (Onoclea k cabbage (Sympl <5%)	sensi	bilis) -A	ıs) -A	
Representati	ve Hydrologic	Characteristics (C	circle who	ere approp	oriate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X	Tie	dal:	Subtidal		rregularly	/ Exposed	
	-			icially oded			Reg. Flooded	1	rregularly	/ Flooded	
Hydrologic In Also –	drologic Indicators: Silt Depositi				Water-Staine Leaves X	d	Water Marks				
Inundated so	oils	Surface Scour	ing		Drift Lines		Drainage Patte	erns	Х		
		Buttressed Tre	ees		Depth of Inundation:		Depth to Soil S	Saturat	ion:		
Representati	ve Soil Chara	cteristics:		X	Mineral		Organic				
Depth (in)	Horizor	n Textur	е		trix Color		Redox	k Featu	res/Note	s	
0 - 8	A	Sandy Id) YR 2/1						
8 – 20+	Bw	Sandy Id	am	10) YR 5/2						
Other Soil Ol	bservations: A	rea mapped as 47	'C - Woo	dbridge fs	I, 2-15% slopes,	extre	emely stony and 1	01 - O	ccum fsl		
River/Stream	Data: S-03-V	VI-040		P	erennial		_XInterm	nittent			
Depth @ Cer	nter: 1 – 3'	Bank Height: 1	- 3 [']	Chann	el Width 5 – 10'		Notes:				_
Flow Rate:	Slow	Moderate	Fast		nk Configuration	:	Undercut	Vertic	cal X	Gradual	Х
Substrate %:	Peat- Muck	Silt-Mud	Sand	Gra	avel		Cobbles	Bould		Artificial	
		Swamp Brook (S-						ttent			
Depth @ Cer		Bank Height: 1			el Width 20 – 25		Notes:	Manti	al .	Canadius	v
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand X		nk Configuration avel	li.	Undercut	Vertice Bould	lers	Gradual Artificial	X
Access Rout	es	1					1	1		1	
Nearest Roa	d Crossing	Wetland Crossing	7	Stream	Crossing	Sw	vamp Mats Neede	ed	Notes		
A -1' 4 4 C		\/	,		I NI						

Project: Flag Series:	30	00 – 305	_	Reliability I					Wetland I Town:			SR# W-03 npton, C1		7/NU#	w20-107	_
Observers: Date:				J. Kenned	ly				Weather: Time:		_					-
Dominant NV	VI CI	ass: PEN	Л						Other NW	/I Cla	asse	s: PFO_				
Representati	ve Ve	egetation	ı (R	ecord Spe	cies	and Occi	urren	ce Per	centage):							
				brum) – A us america	na) -	С			Shrubs:	-			_N/A			
Saplings/Liar	nas:		N/A	<u> </u>	_				Herbs/Fo	S	ensit	tive fern (ush (Junc				
_					=					-						
D = Dominan	_									Spars	se (<	:5%)				
Representati Non-Tidal:			C				sona		ate)	Tida	al:	Subtid	al		Irregularly	Exposed
rion ridai.	Flooded Flooded					ded -			1100	•••	Cabila			ogaia.i.y	Σλροσσα	
	Saturated Intermittently Flooded				icially oded	,				Reg. F	looded		Irregularly	Flooded		
Hydrologic In	dicat	tors:		Silt Depos	ition				Water-Stai	ined		Water	Marks			
Also –				Surface S	cour	ina			Drift Lines			Droino	ge Patt	orno	v	
Inundated so	ils			Buttresse					Depth of				to Soil S			
				Duttiesse	u 116				Inundation	1:		Бери	10 3011 (Jatura	uon.	
Representati	ve S	oil Chara	cte	ristics:			_X	Mi	neral			(Organic			
Depth (in)		Horizo	n		extur				ix Color				Redox	k Feat	ures/Notes	i
0 - 10 10 – 20+		A Bw			dy lo dy lo				YR 3/2 YR 5/2	+						
Other Soil Ob	serv	ations: A	Area	a mapped a	as 10)1 - Occu	ım fsl									
River/Stream	Data	a: N/A						_ Pere	ennial				Intermi	ttent		
Depth @ Cer	nter:	01		Bank Heigh	nt:	Fast	С		Width			Notes:		Verti	1	Oded
			Sand		Grav	Configurati el	ion:		Cobbles		Boul		Gradual Artificial			
Access Route	es															
Nearest Road	d Cro	ossing	W	etland Cro	ssing	3	Stre	am Cr	ossing		Sw	amp Mat	s Neede	ed	Notes	
Adjacent to B Road	igelo	DW .	Υ		N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	100 – 119 8 T. Ramborg	te Reliability Proj & 200 – 226 ger/J. Kennedy _			Wetland I Town: Weather: Time:	Har	SR# W-03-WI-108/ mpton, CT		
Dominant NV	WI Class: PSS	S/PFO			Other NW	/I Classe	es:		
Representati	ve Vegetation	(Record Species	and Occu	irrence Pe	rcentage):				
Trees: Red	d maple (Acer	rubrum) – A			Shrubs:		ded alder (Alnus r bush (Lindera ben		
Saplings/Liar	nas:				Herbs/Fo	rbes:			
		N/A				Skunk	tive fern (Onoclea c cabbage (Symple es (Carex spp.) -C	ocarpus foetidi	ıs) -A
D = Dominan	nt (>50%), A =	Abundant (26-50)%), C = C	ommon (6	-25%), S = S	Sparse (<	<5%)		
Representati	ve Hydrologic	Characteristics (Circle whe	re appropi	riate)				
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal:	Subtidal	Irregulari	y Exposed
	Saturated	Intermittently Flooded	Artific				Reg. Flooded	Irregulari	y Flooded
Hydrologic In	idicators:	Silt Deposition	n		Water-Stai	ined	Water Marks		
Also –					Leaves 2	X			
Inundated so	nils	Surface Scou	ring		Drift Lines		Drainage Patte	rns X	
		Buttressed Tr	ees		Depth of Inundation	:	Depth to Soil S	aturation:	
Representati	ve Soil Charac	cteristics:		Mir	neral	_	_X Organic	:	
Depth (in)					rix Color		Redox	Features/Note	es .
0 – 24+	Oa	Muci	K	N	12.5/0				
	_	_							
	oservations: A	rea mapped as 1	02 - Poota	tuck fsl					
Other Soil Ob River/Stream	n Data: Cedar	Swamp Brook (S	-03-WI-042	2)X_			Intermit	tent	
Other Soil Ob River/Stream Depth @ Cer	n Data: Cedar :	Swamp Brook (S Bank Height: 1	-03-WI-042	2) X _	el Width 10 -	15'	Notes:		Cradual
Other Soil Ot River/Stream Depth @ Cer Flow Rate:	n Data: Cedar : nter: 1 – 4'	Swamp Brook (S Bank Height: 1 Moderate	-03-WI-042 3'	2)X Channe Ban	el Width 10 - k Configurati	15'	Notes: Undercut	Vertical	
Other Soil Ot River/Stream Depth @ Cer Flow Rate:	n Data: Cedar : nter: 1 – 4'	Swamp Brook (S Bank Height: 1	-03-WI-042	2) X _	el Width 10 - k Configurati	15'	Notes:		Gradual X Artificial
Other Soil Ot River/Stream Depth @ Cer Flow Rate:	n Data: Cedar : nter: 1 – 4' Slow Peat-	Swamp Brook (S Bank Height: 1 Moderate	-03-WI-042 - 3' Fast Sand	2)X Channe Ban	el Width 10 - k Configurati	15'	Notes: Undercut	Vertical Boulders	
Other Soil Ot River/Stream Depth @ Cer Flow Rate: Substrate %:	n Data: Cedar s nter: 1 – 4' Slow : Peat- Muck	Swamp Brook (S Bank Height: 1 Moderate	-03-WI-042 - 3' Fast Sand	2)X Channe Ban	el Width 10 - k Configurati	15'	Notes: Undercut	Vertical Boulders	
Other Soil Ob River/Stream Depth @ Cer Flow Rate:	n Data: Cedar : nter: 1 – 4' Slow Peat- Muck	Swamp Brook (S Bank Height: 1 Moderate	-03-WI-042 - 3' Fast Sand X	2)X Channe Ban	el Width 10 - k Configurati vel	15' ion:	Notes: Undercut	Vertical Boulders X	
Other Soil Ot River/Stream Depth @ Cer Flow Rate: Substrate %:	n Data: Cedar : nter: 1 – 4' Slow Peat- Muck d Crossing	Swamp Brook (S Bank Height: 1 Moderate Silt-Mud	-03-WI-042 - 3' Fast Sand X	Channe Ban Gra	el Width 10 - k Configurati vel	15' ion:	Notes: Undercut Cobbles	Vertical Boulders X	Gradual X Artificial

Project: Flag Series: Observers: Date:	300 – 316 T. Rambor	ate Reliability Pi ger/J. Kennedy		_	Wetland Town: Weather: Time:	- 1	ENSR# W-03 Hampton, C1		# w20-109)
Dominant NV	VI Class: PS	S			Other NV	VI Cla	sses: PFO_			_
	-	(Record Speci	es and Occ	urrence P						
Trees:		N/A			Shrubs:			(Alnus rugos perry (Vaccin		bosum) -C
Saplings/Liar	nas:		_		Herbs/Fo					
		N/A				Re	ed canary gr	(Carex strict rass (Phalaris Onoclea sen	s arundina	cea) -C
D = Dominan	t (>50%), A =	- Abundant (26-	 50%), C = 0	Common (6-25%), S = 5	Spars	e (<5%)			
		Characteristics			oriate)					
Non-Tidal:	Perm. Flooded	Semi Perm Flooded		sonally oded X		Tidal	: Subtida	al	Irregulari	y Exposed
Saturated Intermittent Flooded			ficially oded			Reg. F	looded	Irregulari	y Flooded	
Hydrologic In Also –	dicators:	Silt Deposit	ion		Water-Sta Leaves		Water	Marks		
Inundated so	ils	Surface Sc	ouring		Drift Lines	;	Draina	ge Patterns		
		Buttressed	Trees		Depth of Inundation	n:	Depth	to Soil Satura	ation:	
Representati	ve Soil Chara	cteristics:		M	ineral		x	Organic		
Depth (in)	Horizo	n Tex	ture	Ma	atrix Color			Redox Fea	tures/Note	es .
0 – 24+	Oa	Mi	uck		N 2.5/0			-	-	
Other Soil Ob	servations: A	Area mapped as	108 - Saco	silt loam						
River/Stream			_		erennial	-		Intermittent		
Depth @ Cer		Bank Height			el Width	tian.	Notes:	4 1/	tion!	Cradual
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		nk Configura	uon:	Cobbles		tical ılders	Gradual Artificial
Access Route	26									
		Wetland C	-1	Change	Canadaa		Curaman Mark	a Nasadad	Note:	
Nearest Road ~ 1.350 feet		Wetland Cross	N N	Y	Crossing	-	Swamp Mat	s Needed N	Notes	
.,000 1001			-	ı .	1		•	1		

Project: Flag Series: Observers: Date:	100 – 112	ate Reliability Proje ; 200 – 210; & 300 rger/J. Kennedy	- 307	- - -	Wetland I Town: Weather: Time:				-WI-110/N	U# w20-110	 _
Dominant NV	VI Class: PS	S/PFO		_	Other NW	/I Cla	asses	s:			
Representati	ve Vegetatio	n (Record Species	and Occi	urrence Pe	rcentage):						
Trees: Red	d maple (Ace	r rubrum) - C			Shrubs:	M	eado	owsweet (Spiraea lat	ifolia) -A	
Saplings/Liar	nas:				Herbs/Fo	rbes:	:				
D = Dominan		N/A	%), C = 0	Common (6	-25%). S = S	St Ca Fa Sk W	eeple attail: alse l kunk oolge	ebush (Sp s (Typha I hellebore cabbage rass (Scir	oiraea tome latifolia) -C (Veratrum	viride) -C	s) – C
		c Characteristics (0	*	,		pare	, ,				
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded X	Sea	sonally oded		Tida	l:	Subtida	ıl	Irregularly	/ Exposed
	Saturated	Intermittently Flooded		icially				Reg. Fl	ooded	Irregularly	Flooded
Hydrologic In Also –	dicators:	Silt Deposition	1		Water-Stai Leaves 2			Water N	Marks	'	
Inundated so	ils	Surface Scour	ring		Drift Lines			Drainag	ge Patterns	X	
		Buttressed Tre	ees		Depth of Inundation	1:		Depth to	o Soil Satu	ration:	
Representati	ve Soil Chara	acteristics:	_	Mir	neral			_X	Organic		
Depth (in)	Horizo				rix Color				Redox Fe	atures/Note	S
0 – 24+	Oa	Muck	(N	12.5/0					-	
Other Soil Ob	servations:	Area flagged as 10	8 - Saco	silt loam							
River/Stream	Data: Little	River (S-03-WI-043	3)	X P	erennial			ı	ntermitten	t	
Depth @ Cer		Bank Height: 1			l Width 20 –			Notes:			
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand X		k Configurati vel X	ion:		Undercu		ertical X oulders	Gradual X Artificial
Access Route	es										
Nearest Road		Wetland Crossin	g	Stream C	rossing		Swa	amp Mats	Needed N	Notes	
		1		T.						-	

Project: Flag Series: Observers: Date:	400 – 405	ger/J. Kennedy		-	Wetland I Town: Weather: Time:		Weather:					
Dominant NV	VI Class: PS	S			Other NW	/I Clas	ses:					
Representati	ve Vegetation	(Record Species	and Occ	urrence Pe	rcentage):							
Trees:		N/A			Shrubs: Witch-hazel (Hamamelis virginiana) -C Maleberry (Lyonia ligustrina) -C Meadowsweet (Spiraea latifolia) -C							
Saplings/Liar	nas:				Herbs/For		adonomout (opiide	a latile	ma, o			
		N/A					nsitive fern (Onocle eplebush (Spiraea		,			
D = Dominar	t (>50%), A =	Abundant (26-50	%), C = 0	Common (6	-25%), S = S	parse	(<5%)					
Representati	ve Hydrologic	Characteristics (0	circle wh	ere appropi	riate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal:	Subtidal		Irregularly	Exposed		
	Saturated Intermittently Flooded			ficially oded			Reg. Flooded	Reg. Flooded Irregularly Flood		Flooded		
Hydrologic In	dicators:	Silt Deposition			Water-Stai Leaves X		Water Marks					
Inundated so	ile.	Surface Scour	ing		Drift Lines		Drainage Pat	terns				
Area identifie Pool/Amphib habitat	d as Vernal	Buttressed Tre	ees		Depth of Inundation	:	Depth to Soil	Satura	ition:			
Representati	ve Soil Chara	cteristics:		Mir	neral		X Organ	ic				
Depth (in)	Horizo	n Textur	е	Mat	rix Color		Redo	x Feat	ures/Notes	3		
0 – 24+	Oa	Muck		N	1 2.5/0			-	-			
Other Soil Ol	oservations: A	rea mapped as 20	BA - Sudi	bury sl, 0-5	% slopes							
River/Stream					rennial	_	Interm	ittent				
Depth @ Cer Flow Rate:		Bank Height:	F4	Channe			Notes: Undercut	11	ta al	O		
Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Gra	k Configurati vel	tion: Undercut Vertical Cobbles Boulders				Gradual Artificial		
								*				
Access Rout	es											
Nearest Roa	Wetland Crossing	Stream C		Swamp Mats Needed Notes								
~ 2,900 feet	west	Y N		Υ	N)	Y N					

Project: Flag Series: Observers: Date:	400 – 409 T. Rambor	ate Reliability Pro ger/J. Kennedy _			Wetland Town: Weather Time:	Hai	SR# W-03-WI-11 mpton, CT			- - -		
Dominant NV	VI Class: PS	3			Other NV	VI Classe	es:					
Representativ	ve Vegetation	(Record Specie	s and Occ	urrence Pe	ercentage):							
Trees:	1	N/A	-	Shrubs: Maleberry (Lyonia ligustrina) -A Meadowsweet (Spiraea latifolia) -C								
Saplings/Lian	nas:		-	Herbs/Forbes:								
_	1	N/A	- - -			Woolg	grass (Scirpus cy	perinu	s) -C			
		Abundant (26-5				Sparse (<5%)					
		Characteristics			riate)		•					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal:	Subtidal		Irregularly	Exposed		
	Saturated	Intermittently Flooded		icially oded			Reg. Flooded		Irregularly	Flooded		
Hydrologic In Also –	dicators:	Silt Deposition	on		Water-Sta		Water Marks					
Inundated so	ile	Surface Sco	uring		Drift Lines	3	Drainage Patt	terns				
Area identifie Pool/Amphibi habitat		Buttressed T	rees		Depth of Inundation	n:	Depth to Soil	Satura	tion:			
Representativ	ve Soil Chara	cteristics:		XN	/lineral		Organic	:				
Depth (in)	Horizor	n Text	ure	Ma	trix Color		Redo	x Feat	ures/Note	S		
0 – 20+	С	Sandy	loam	10	YR 2/1				-			
		roo mannad oo	23A - Sudb		% rennial		Intermi	144 4				
		пеа таррец аз					intermi	illeiit				
River/Stream	Data: N/A		_				Notos:					
River/Stream Depth @ Cer	Data: N/A	Bank Height:	Fast	Channe	el Width	tion:	Notes:	Verti	ical	Gradual		
Other Soil Ob River/Stream Depth @ Cer Flow Rate: Substrate %:	Data: N/A nter:		Fast Sand	Channe	el Width nk Configura	tion:	Notes: Undercut Cobbles	Verti	ical ders	Gradual Artificial		
River/Stream Depth @ Cer Flow Rate:	Data: N/A nter: Slow Peat- Muck	Bank Height: Moderate		Channe	el Width nk Configura	tion:	Undercut					
River/Stream Depth @ Cer Flow Rate: Substrate %:	Data: N/A nter: Slow Peat- Muck	Bank Height: Moderate	Sand	Channe	el Width nk Configura vel		Undercut	Boul				

Project: Flag Serie Observers Date:	s: _	A. Miliman	ate Reliability Proje	Town: Hampton, CT_ Weather: rainy, 60° Time: 10:00 a.m								
Dominant	NWI (Class: PF0	0			Other N	WI CI	lasses	S:			
Represent	ative '	Vegetation	(Record Species	and Occ	urrence l	Percentage):						
(Querci	strobus (D us alba (A) us rubra (A)			Shrubs:	-	ex vei	rticillata (C)			
Saplings/L	ianas	:		Herbs/F	Herbs/Forbes:							
- - -									sp. (C) odium obscurum	(C)		
D = Domin	ant (>	·50%), A =	Abundant (26-50	%), C = 0	Common	(6-25%), S =	Spar	se (<	5%)			
Represent	ative	Hydrologic	Characteristics (C	ircle wh	ere appro	opriate)						
Non-Tidal:		erm. looded	Semi Perm. Flooded		sonally oded X	:	Tida	al:	Subtidal		Irregulari	y Exposed
	Saturated Intermittently Flooded				ficially oded				Reg. Flooded		Irregularl	y Flooded
Hydrologic Area pond		ators:	Silt Deposition			Water-St Leaves	ained	I	Water Marks			
			Surface Scour	ing		Drift Line	Drift Lines		Drainage Patterns			
			Buttressed Tre	es		Depth of Inundation	n: 5"		Depth to Soil S	Satura	tion:	
Represent	ative	Soil Chara	cteristics:		_x	Mineral**			Organic			
Depth		Horizor	n Textur	е	1	Matrix Color			Redox	Feat	ures/Note	es
0-20"		A	Fsl (mucky)			10YR 2/1						
Other Soil	Obse	rvations: *	*high organic matt	er conte	nt throug	hout soil profi	le.					
River/Strea						Perennial			Intermit	tent		
Depth @ 0 Flow Rate:	oth @ Center: Bank Height: Chann w Rate: Slow Moderate Fast Ba						ation:		Notes: Undercut	Verti	ool	Gradual
					ank Configura	adOH:		Cobbles	Boul		Artificial	
Access Ro	outes											
Nearest R	oad C	rossing	Wetland Crossing	J	Stream	Crossing		Swa	amp Mats Neede	d	Notes	

Project: Flag Series: Observers: Date:	400 – 404 _	e Reliability Proje er/J. Kennedy		_	Wetland ID: ENSR# W-03-WI-113/NU# w20-113 Town: Hampton, CT Weather: Time:						
Dominant NW	'I Class: PFO			_	Other NV	/I Clas	sses:				
Representativ	e Vegetation	(Record Species	and Occ	urrence Pe	rcentage):						
	te pine (Pinus te oak (Querci				Shrubs:	Ma	leber	ry (Lyonia ligus	strina) -	-C	
Saplings/Liana	as:				Herbs/Fo	rbes:					
_	N	/A				_		N/A			
_						_					
D = Dominant	(>50%), A = /	Abundant (26-50%	%), C = C	Common (6	-25%), S = S	Sparse	e (<5°	%)			
Representativ	e Hydrologic (Characteristics (C	ircle whe	ere appropr	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal	:	Subtidal	1	rregularly	Exposed
		icially oded				Reg. Flooded		Irregularly Flooded			
Hydrologic Inc	dicators:	Silt Deposition			Water-Sta		7	Water Marks			
Also -					Leaves	X					
Inundated soil	s	Surface Scouri	ng		Drift Lines			Drainage Patte	erns		
Area identified Pool/Amphibia habitat		Buttressed Tre	es		Depth of Inundation	ı:		Depth to Soil S	Saturat	ion:	
Representativ	e Soil Charac	teristics:		x M	lineral			Organic			
Depth (in)	Horizon	Texture	Э	Mat	rix Color			Redox	x Featu	res/Note	S
Other Soil Ob	servations: Ar	ea mapped as 23	A - Sudb	oury sl, 0-59	% slopes						
River/Stream	Data: N/A			Per	rennial	-		Intermit	ttent		
Depth @ Cen		Bank Height:		Channe				Notes:			
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Ban	k Configurat vel	ion:		Jndercut Cobbles	Vertic		Gradual Artificial
	IVIUCK										
Access Route											
Nearest Road	-	Wetland Crossing	J	Stream C				np Mats Neede	ed	Notes	
~ 3,000 feet w	/est	Y N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	300 – 307 T. Ramboi	ate Reliability Proj rger/J. Kennedy _		Town: Hampton, CT Weather: Time:								
Dominant NV	VI Class: PF	0			Other NWI (Classe	es:					
Representativ	ve Vegetation	n (Record Species	and Occi	urrence Pe	rcentage):							
	maple (Ace	is strobus) - A r rubrum) -C				Cinna Sedge	mon fern es (Carex tive fern (spp.) -0	nda cir	nnamomea) -C	
D = Dominan	t (>50%), A =	= Abundant (26-50	1%), C = C	Common (6	-25%), S = Spa	arse (<	<5%)					
		Characteristics (-					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X	Ti	dal:	Subtida	al		Irregularly	Exposed	
	Saturated	Intermittently Flooded		icially oded			Reg. F	looded		Irregularly	Flooded	
Hydrologic In	dicators:	Silt Depositio	n		Water-Staine Leaves X	d	Water	Marks				
Also –		Surface See	rina		Drift Lines		Droino	ao Botte	orno			
Elevated root	systems	Surface Scou	-		Depth of			ge Patte to Soil S				
Inundated soi Area identifie Pool/Amphibi habitat	d as Vernal	Duttiessed II			Inundation:		Бериг		oatura.			
Representativ	o Soil Chara	atoriotios:		X M	lineral			Organic				
Depth (in)	Horizo				rix Color				. Faat	ures/Notes		
0 - 10	A	Sandy I		1	YR 2/1			Redu		ires/Notes		
10 – 20+	Bw	Sandy I	oam	10	YR 4/2							
Other Soil Ob	oservations: A	Area mapped as 1	5 - Scarbo	oro muck								
River/Stream	Data: N/A			Per	rennial			Intermit	tent			
Depth @ Cen		Bank Height:		Channe			Notes:					
Flow Rate:	Slow Peat-	Moderate Silt-Mud	Fast Sand		k Configuration	1:	Undercu		Verti		Gradual	
Substrate %:	Gra	vel		Cobbles	;	Boul	ders	Artificial				
Access Route	es											
Nearest Road	d Crossing	Wetland Crossin	g	Stream C	Stream Crossing Sv		Swamp Mats Needed		Notes			
~ 3,200 feet west Y N				Y N			Y N					

Project: Flag Series: Observers: Date:	100 – 107 8	e Reliability Project 200 – 209 er/J. Kennedy			Wetland I Town: Weather: Time:			SR# W-03-WI-11 npton, CT			- - -
Dominant NV	VI Class: PFO	/PSS			Other NV	VI Cla	asse	s:			
Representati	ve Vegetation	(Record Species ar	ıd Occı	ırrence Pei	rcentage):						
	d maple (Acer ite pine (Pinus				Shrubs:	-		N/A			
Saplings/Liar		/A	Herbs/Forbes: Cinnamon fern (Osmunda cinnamomea) -C							n) -C	
	· · · · · · · · · · · · · · · · · · ·					S	edge	s (Carex spp.) - ive fern (Onocle	С		,, 0
D = Dominar	it (>50%), A =	Abundant (26-50%)	, C = C	ommon (6-	-25%), S = S	Spars	se (<	5%)			
Representati	ve Hydrologic	Characteristics (Cir	cle whe	ere appropr	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tida	al:	Subtidal	ı	rregularly	Exposed
	Saturated	Intermittently Flooded	Artifi Floo	icially ded				Reg. Flooded	-	rregularly	Flooded
Hydrologic Ir	dicators:	Silt Deposition			Water-Sta Leaves			Water Marks			
Also –		Surface Scouring	,	Drift Lines			Drainage Patt	erns			
Elevated roo	•	Buttressed Trees	9					Depth to Soil		ion:	
mundated so	115				Inundation	1:					
Danasantati	us Cail Charas	ta siati an		v 14	inesel			Ornania			
Depth (in)	ve Soil Charac	Texture			ineral rix Color		_	Organic		ires/Notes	
Deptii (iii)	TIONZON	Texture		iviau	TIX COIOI			rtedo	x i call	1163/140(63	1
						+					
Other Soil Ol	oservations: Ar	ea mapped as 15 -	Scarbo	oro muck		-					
River/Stream	Data: N/A			Per	ennial			Intermi	ittent		
Depth @ Cer	nter:	Bank Height:		Channe	l Width			Notes:			
Flow Rate: Substrate %:	Slow	Moderate F		k Configurat	tion:		Undercut	Vertic		Gradual	
Substrate %:	Peat- Muck	Silt-Mud S	Sand	Grav	vei			Cobbles	Bould	iers	Artificial
Access Rout	es										
Nearest Roa	-	Wetland Crossing			Swamp Mats Needed Notes						
~ 3,300 feet	west	Y N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	100 – 163; T. Rambor	ate Reliability Project 200 – 219; 300 – 32 ger/J. Kennedy	402	Wetland II Town: Weather: Time:		ENSR# W-03-WI-		# W20-116	- - -		
Dominant NV	/I Class: PF	D/PSS			Other NW	I Clas	sses:				
	ve Vegetation	(Record Species an	d Occurre	nce Pe	rcentage): Shrubs:	Per	hbush blueberry operbush (Clethra cebush (Lindera I	alnifolia	a) -C	oosum) -A	
Saplings/Liar		N/A			Herbs/For	Sku	unk cabbage (Syndges (Carex spp.)	- C		s) -A	
		Abundant (26-50%)				parse	e (<5%)				
		Characteristics (Circ									
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Season			Tidal:	Subtidal		Irregularly	Exposed	
	Saturated	Intermittently Flooded	Artificial Flooded				Reg. Floode	ed	Irregularly	Flooded	
Hydrologic In Also –	dicators:	Silt Deposition			Water-Stai Leaves)		Water Mark	s			
Elevated root	systems	Surface Scouring			Drift Lines		Drainage Pa				
Inundated so Area contains pool/Amphibi habitat	a Vernal	Buttressed Trees	i		Depth of Inundation	:	Depth to So	il Satura	ation:		
Representativ	e Soil Chara	cteristics:	x_	M	lineral	_	Organ	ic			
Depth (in)	Horizo	n Texture		Mat	rix Color	T	Red	dox Feat	tures/Notes	3	
0 - 9	A	Sandy loan			YR 2/1			-			
9 – 20+	Bw	Sandy loan	1	2.	5 Y 4/2				-		
Other Soil Ob	servations: A	rea mapped as 3 - R	idgebury,	Leicest	ter, and Whit	man s	soils, extremely st	ony			
River/Stream			x_		erennial	_		mittent			
Depth @ Cer		Bank Height: 1 – 3			Width 5 – 2		Notes:	Mont	iaal	Candinal V	
Flow Rate: Substrate %:	Slow Peat- Muck		ast and	Gra	k Configurati vel	on:			/ertical Gradual Boulders Artificial		
Access Route	es		-				*	-		•	
Nearest Road	d Crossing	Wetland Crossing	St	ream C	rossing		Swamp Mats Nee	eded	Notes		
~3,600 feet w	rest	Y N	Υ		N		Y N		1		

Project: Flag Series: Observers: Date:	100 T. F) – 114 &	Reliability Project 200 – 208 er/J.Kennedy	Town: H Weather: Time:				ENSR# W-03-WI-117/NU# w20-117 Hampton, CT					
Dominant N	WI Cla	ss: PSS/l	PF0			Other NV	VI Clas	ses: PEM_					
Representa	tive Ve	getation (I	Record Species ar	ıd Occı	ırrence Pei	rcentage):							
			ubrum) -A strobus) -A			Shrubs:	Maleberry (Lyonia ligustrina) -A Highbush blueberry (Vaccinium corymbosum) -A Meadowsweet (Spiraea latifolia) -A						
Saplings/Lia	noo:												
	iiias.					Herbs/Fo	Tus	sock sedge (ed canary gra			icea) - A		
			bundant (26-50%)				Sparse	(<5%)					
			haracteristics (Cir			iate)							
Non-Tidal:	Perr		Semi Perm. Flooded		sonally ded X		Tidal:	Subtida	ıl	Irregulari	ly Exposed		
	Satu	ırated						Reg. Fl	ooded	Irregulari	ly Flooded		
Hydrologic I	ndicato	ors:	Silt Deposition			Water-Sta		Water N	Marks				
Also -						Leaves							
Inundated s	oils		Surface Scouring			Drift Lines			ge Patterns				
			Buttressed Trees	8		Depth of Inundation	1:	Depth to	o Soil Satu	ıration:			
Representa	tive So	il Charact	eristics:		X M	ineral		0	rganic				
Depth (in)	Horizon	Texture		Mati	rix Color			Redox Fe	atures/Note	es		
0 - 12		Oa	Muck			2.5/0				-			
12 – 20+		С	Sandy loar	n	10	YR 6/2							
-													
Other Soil C Woodbridge			ea mapped as 2 - F es	Ridgebu	ıry fsl; 3 - F	Ridgebury, L	eiceste	er, & Whitma	n soils, ex	tremely stor	ny; & 47C -		
River/Stream	n Data	: N/A				ennial	_	ı	ntermitten	t			
Depth @ Ce		21	Bank Height:		Channe			Notes:		-411	Occident		
Flow Rate: Substrate %	: F	Slow Peat- Muck		ast Sand	Grav	k Configurat /el	ion:	Cobbles		ertical oulders	Gradual Artificial		
Access Rou	tes												
Nearest Roa			Vetland Crossing		Stream C			Swamp Mats		Notes			
Adjacent to Drain Street Y N Y						N	١	1	N				

Project: Flag Series: Observers: Date:	100 – 114 8	e Reliability Project 200 – 208 er/J. Kennedy		Town: Hampton, CT							
Dominant NV	VI Class: PFO	/PSS			Other NV	VI Cla	asses	s:			
Representativ	ve Vegetation	(Record Species an	d Occu	rrence Per	rcentage):						
Trees: Rec	maple (Acer	rubrum) -A			Shrubs:			rbush (Clethra a (Salix sp.) -C	Inifolia	a) -C	
Saplings/Liar	ias:			Herbs/Forbes:							
	N	//A		Reed canary grass (Phalaris arundinacea) -A Tussock sedge (Carex stricta) - A Steeplebush (Spiraea tomentosa) -C Purple loosestrife (Lythrum salicaria) - C							
D = Dominan	t (>50%), A =	Abundant (26-50%)	, C = C	ommon (6-	-25%), S = S	Spars	se (<	5%)			
Representativ	ve Hydrologic	Characteristics (Circ	cle whe	re appropr	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally ded X		Tida	ıl:	Subtidal		Irregularly	Exposed
	Saturated	Artific					Reg. Flooded	d Irregulari		Flooded	
Hydrologic In	dicators:	Silt Deposition			Water-Sta Leaves			Water Marks			
Also –	_	Surface Scouring	1		Drift Lines			Drainage Patt	erns	· X	
Inundated so Area identifie Pool/Amphibi habitat	d as Vernal	Buttressed Trees			Depth of Inundation			Depth to Soil S			
Representativ	ve Soil Charac	teristics:		X M	ineral			Organic			
Depth (in)	Horizon				rix Color			Redo		ures/Note:	S
0 - 12 12 – 20+	Oa C	Muck Sandy loan	n		2.5/0 5 Y 5/2	-			-		
	servations: Ar	rea mapped as 3 - F	Ridgebu	ry, Leicest	er, and Whi	tman	soils	s, extremely stor	ny and	47C - Wo	odbridge fsl, 2-
River/Stream	Data: N/A			Per	ennial			Intermi	ttent		
Depth @ Cer		Bank Height:		Channe				Notes:			
Flow Rate: Substrate %:							_	Undercut	Vert	ical ders	Gradual Artificial
Substrate %:	Muck	Siit-iviuu S	ariu	Grav	/ei			Copples	DOUI	uers	Artilicial
Access Route											
Nearest Road Adjacent to D		Wetland Crossing Y N	-1	Stream C	rossing		Swa	amp Mats Need	ed	Notes	
Aujacent to L	nalli Sifeet	Y N	1	IN		T	N		1		

Project: Flag Series: Observers:	400 – 402	ate Reliability Proje rger/J. Kennedy		-	Wetland II Town: Weather:		ENSR# W-03-WI-122/NU# W20-119 Hampton, CT				
Date:	03/27/08			-	Time:					_	
Dominant NW	VI Class: PS	S			Other NWI	Classe	es:				
Representativ	ve Vegetation	n (Record Species	and Occ	urrence Pei	rcentage):						
Trees:		N/A			Shrubs:	Gray	birch (Betula	populifolia	a) - A		
Saplings/Lian	nas:										
		N/A					gnum moss (ush (Juncus				
D = Dominan	t (>50%), A :	= Abundant (26-509	%), C = C	Common (6-	-25%), S = Sp	oarse (<5%)				
Representativ	ve Hydrologi	Characteristics (C	ircle whe	ere appropr	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal:	Subtidal		Irregularly	Exposed	
	Saturated	Intermittently Flooded		icially oded			Reg. Floo	oded	Irregularly	Flooded	
Hydrologic In	dicators:	Silt Deposition		Water-Stained Leaves X			Water Ma	nrks			
Inundated soi	ils	Surface Scour	ing		Drift Lines		Drainage	Patterns			
		Buttressed Tre	es	Depth of Inundation:			Depth to	Soil Satura	ation:		
Representativ	ve Soil Chara	acteristics:		_ x M	ineral		Org	anic			
Depth (in)	Horizo				rix Color		F	Redox Feat	tures/Note:	S	
0 - 4	A	Sandy lo			YR 2/1						
4 – 20+	Bw	Sandy lo	am	2.5	5 Y 5/2			-	-		
Other Soil Ob	servations:	Area mapped as 47	'C - Woo	dbridge fsl,	2-15% slope	s, extre	emely stony				
River/Stream	Data: N/A			Per	ennial		Int	ermittent			
Depth @ Cen	nter:	Bank Height:		Channe	l Width		Notes:				
Flow Rate:	Slow	Moderate	Fast		k Configuration	on:	Undercut	Vert		Gradual	
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav	/el		Cobbles	Bou	lders	Artificial	
Access Route	es										
Nearest Road	d Crossing	Wetland Crossing	9	Stream C	rossing	Sv	vamp Mats N	leeded	Notes		
~ 1,700 feet v	west	Y N		Υ	N	Υ	N	I			

Flag Series: Observers: Date:		& 200 – 225 ger/J. Kennedy		- - -	Wetland Town: Weathe Time:		SR# W-03-WI-119 oklyn/Hampton, C	ст	
Dominant NW	/I Class: PFC)			Other N	WI Classe	es: PSS		_
Representativ	e Vegetation	(Record Species	and Occi	urrence F	Percentage):				
Hem		rubrum) -A canadensis) - A ula alleghaniensis	s) -C		Shrubs:		N/A		
Saplings/Lian	as:				Herbs/F	orbes:			
		N/A				Cinna Cattai Phrag	gnum moss (Spha mon fern (Osmun Is (Typha latifolia mites (Phragmite	ida cinnamom) -C	,
		Abundant (26-50				Sparse (<	(5%)		
Representativ	e Hydrologic	Characteristics (Circle whe	ere appro	priate)				
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal:	Subtidal	Irregular	ly Exposed
	Saturated	Intermittently Flooded	Artif	icially oded			Reg. Flooded	Irregular	ly Flooded
Hydrologic Inc	dicators:	Silt Deposition	n		Water-St		Water Marks		
Also –					Leaves -				
Elevated root	systems	Surface Scou	ring		Drift Line	s	Drainage Patte	erns X	
Inundated soil	ls	Buttressed Tr	ees		Depth of		Depth to Soil S	Saturation:	
Area contains Pool/Amphibia habitat					Inundatio	στ.			
	e Soil Charac	cteristics:			/lineral		X Organio	•	
Representativ		storiotioo.					0.90	-	
Representativ	Horizon	Toytu		8.4	latriy Calor		Podov	Footures/Not	00
Depth (in)	Horizon			M	latrix Color N 2.5/0		Redox	Features/Not	es
	Horizon Oa R	n Textu Muci		M	N 2.5/0		Redox	Features/Not	es
Depth (in) 0 – 24	Oa			M			Redox	Features/Not	es
Depth (in) 0 – 24	Oa			M			Redox	Features/Not	es
Depth (in) 0 – 24 24+	Oa R	Mucl	k		N 2.5/0	nitman soil	Redox		
Depth (in) 0 – 24 24+ Other Soil Ob	Oa R	Mucl	k	ury, Leice	N 2.5/0	nitman soil		 y and 18 - Cal	
Depth (in) 0 – 24 24+ Other Soil Obsoils River/Stream Depth @ Cen	Oa R R servations: A Data: N/A ter:	Muci	k - Ridgebu	ury, Leice	N 2.5/0 ester, and Wheeler, and		is, extremely ston Intermit	 y and 18 - Cal	den & Freetown
Depth (in) 0 – 24 24+ Other Soil Obsoils River/Stream	Oa R R servations: A	Mucl Mucl rea mapped as 3	k	ury, Leice	N 2.5/0		is, extremely ston	 y and 18 - Cal	
Depth (in) 0 – 24 24+ Other Soil Obsoils River/Stream Depth @ Cen Flow Rate:	Oa R Servations: A Data: N/A ter: Slow Peat- Muck	rea mapped as 3 Bank Height: Moderate	k - Ridgebu	ury, Leice	N 2.5/0 ester, and Wi Perennial nel Width ank Configura		is, extremely ston Intermit Notes: Undercut	y and 18 - Cal	den & Freetown
Depth (in) 0 – 24 24+ Other Soil Obsoils River/Stream Depth @ Cen Flow Rate: Substrate %:	Oa R Servations: A Data: N/A ter: Slow Peat- Muck	rea mapped as 3 Bank Height: Moderate	- Ridgebu	ury, Leice	N 2.5/0 ester, and Wi Perennial nel Width ank Configura	ation:	is, extremely ston Intermit Notes: Undercut	y and 18 - Cat tent Vertical Boulders	den & Freetown

Project: Flag Series: Observers: Date:	400 – 40 T. Ramb	tate Reliability 1 orger/J. Kenne		_	Wetla Town Weat Time	her:			i-WI-120/NU		
Dominant N	WI Class: P	SS		_	Other	NWI C	Classe	s: POW_			_
Representat	ive Vegetation	on (Record Spe	cies and Oc	currenc	e Percentage	e):					
Trees: Re	ed maple (Ac	er rubrum)- A			Shrul				ula populifo ethra alnifo		
Saplings/Lia	nas:				Herb	s/Forbe	s:				
_		_N/A				-			N/A		
		= Abundant (2				- S = Spa	ırse (<	5%)			
		ic Characterist									
Non-Tidal:	Perm. Flooded	Semi Per Flooded		asonall ooded		Tic	dal:	Subtida	al	Irregularly	Exposed
	Saturated	Intermitte Flooded		tificially ooded				Reg. F	ooded	Irregularly	/ Flooded
Hydrologic I Also –	ndicators:	Silt Depo	sition		Water- Leave	-Staine s	d	Water	Marks		
Ponded		Surface S	Scouring		Drift L	ines		Draina	ge Patterns		
		Buttresse	d Trees		Depth Inunda			Depth t	to Soil Satu	ration:	
Representat	ive Soil Cha	acteristics: Po	nded		_ Mineral			c	rganic		
Depth (in) Horiz	on T	exture		Matrix Color				Redox Fe	atures/Note	s
Other Soil C	bservations:	Area mapped	as 18 - Catd	en & Fr	eetown soils						
River/Stream			_		_ Perennial				Intermittent		
Depth @ Ce Flow Rate:	nter: Slow	Bank Heig Moderate	ht: Fast	Ch	annel Width Bank Config	uration		Notes: Undercu	d 1/-	rtical	Gradual
Substrate %		Sand		Gravel	uralion		Cobbles		ulders	Artificial	
Access Rou	tes										
Nearest Roa	nd Crossing	Wetland Cro	ssing	Stre	am Crossing		Sw	amp Mats	Needed	Notes	
~ 3,675 feet		Y	N	Y	N		Y	ap mat	N	140103	
.,		1	1	1			-			-1	

Town of Brooklyn, CT

Project: Flag Serie Observer Date:	es: 's:	100 – 115;	ate Reliability Proj 200 - 224; & 300 ger/ J. Kennedy _	- 327 _		Wetland Town: Weather: Time:			SR# W-03-WI-12 oklyn, CT	1/NU#	W20-122	- - -
Dominant	t NWI	Class: PF0	O/PSS/PEM		_	Other NV	VI Cla	asses	s:			
Represer	ntative	Vegetation	(Record Species	and Occ	urrence Pe	rcentage):						
			canadensis) -A rubrum) -A			Shrubs:	_					
Saplings/	Lianas	S:				Herbs/Fo	rbes	:				
D = Domi	inant (>50%) A -	- Abundant (26-50	%) C = (Common (6	-25%) S = 9	Ci Ri Si	innan eed o ensiti teeple	num moss (Sph mon fern (Osmul canary grass (Ph ive fern (Onocles ebush (Spiraea	nda cir nalaris a sens	nnamomea arundinac ibilis) -C	
							spars	se (<	5%)			
Represer	ntative	Hydrologic	Characteristics (0	Circle wh	ere appropi	riate)						
Non-Tida		Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tida	ıl:	Subtidal		Irregularly	Exposed
	S	Saturated	Intermittently Flooded		ficially oded				Reg. Flooded		Irregularly	Flooded
Hydrologi Also –	ic Indic	cators:	Silt Deposition			Water-Sta Leaves			Water Marks			
Inundated	d soils		Surface Scour	ing		Drift Lines	•		Drainage Patt	erns	Х	
Area iden Pool/Amp habitat		as Vernal breeding	Buttressed Tre	es		Depth of Inundation	n:		Depth to Soil	Satura	tion:	
Represer	ntative	Soil Chara	cteristics:		X M	lineral		_	Organic			
Depth	(in)	Horizo	n Textur	e	Mat	rix Color			Redo	x Feat	ures/Notes	;
0 - 6		Oa	Muck			12.5/0				-		
6 – 20	0+	С	Sandy Id	am	2.5	5 Y 5/2				-		
Other Soi	il Obse	ervations: A	Area mapped as 1	7 - Timak	wa & Natch	naug soils						
River/Stre	eam D	ata: N/A			Per	rennial		_	Intermi	ttent		
Depth @			Bank Height:		Channe				Notes:			
Flow Rate Substrate		Slow	Moderate	Fast		k Configurat	tion:		Undercut	Verti		Gradual
Substrate	9 %:	Peat- Muck	Silt-Mud	Sand	Gra	vel			Cobbles	Boul	ders	Artificial
Access R												
Nearest F ~ 1.300 fe			Wetland Crossin	g	Stream C				amp Mats Need	ed	Notes	
~ 1.300 fe	eet eas	SI	Y N		Y	l N		Y	N		1	

Project: Flag Serie Observers Date:	s: 3 s: T	300 – 310 _. Г. Ramborg	te Reliability Proje				Wetland Town: Weather: Time:	В	NSR# W-03-WI-12 rooklyn, CT			- - -
Dominant	NWI C	Class: PFC	/PSS		_		Other NV	VI Class	ses:			
Represent	tative \	/egetation	(Record Species	and Occ	urren	ce Pe	rcentage):					
F	Red ma	aple (Acer	canadensis) -A rubrum) -A strobus) -C				Shrubs:	_	N/A			
Saplings/L	ianas:	:					Herbs/Fo	rbes:				
-		N	I/A					Sed Sku	amon fern (Osmu ges (Carex spp.) - nk cabbage (Symp	C		,
			Abundant (26-50					Sparse	(<5%)			
Represent	tative I	Hydrologic	Characteristics (C	Circle wh	ere ap	propr	iate)					
Non-Tidal:		erm. ooded	Semi Perm. Flooded		sonal oded -			Tidal:	Subtidal	Ir	regularly	Exposed
	Sa	aturated	Intermittently Flooded		ficially oded				Reg. Flooded	i Ir	regularly	Flooded
Hydrologic Also –	Indica	ators:	Silt Deposition				Water-Sta Leaves		Water Marks	,		
Inundated	soils		Surface Scour	ing			Drift Lines		Drainage Pat	terns		
Area ident Pool/Ampl habitat			Buttressed Tre	ees			Depth of Inundation	1:	Depth to Soil	Saturation	on:	
Represent	tative S	Soil Charac	teristics:		х	M	ineral		Organic	;		
Depth (in)	Horizon	Textur	e		Mat	rix Color		Redo	x Featur	res/Notes	3
0 - 12		Α	Fine sandy				YR 2/1			-		
12 – 20)+	Bw	Sandy Id	am		10	YR 4/2			_		
Other Soil	Obser	rvations: A	rea mapped as 73	3C - Cha	rlton-0	Chatfie	eld complex	, 3-15%	slopes, very rock	κу		
River/Stre				_			ennial	_	Interm	ittent		
Depth @ 0 Flow Rate		Slow	Bank Height: Moderate	Fast	Cl		l Width		Notes:	Month	-1	Overdeed
							k Configurat vel	ion:	Undercut	Vertica Boulde		Gradual Artificial
Access Ro	outes											
Nearest R			Wetland Crossing	9		am C	rossing		wamp Mats Need	led	Notes	
~ 250 feet	east		Y N		Υ		N	Υ	N			

Project: Flag Series: Observers:	g Series: 300 – 312 servers: T. Ramborger/J. Kennedy							Wetland Town: Weather			SR# W-0 oklyn, C			# W20-124	- -
Date:	03/27/08	_						Time:		_					_
Dominant NW	VI Class: P	FO/F	PSS					Other NV	NI Cla	isse	is:				
Representativ	ve Vegetati	on (F	Record Speci	es a	nd Occu	ırren	ce Pei	rcentage):							
Trees:		_N/A	Α	_				Shrubs:	_			_N/A			
Saplings/Lian	136.			_				Herbs/Fo	orbos:						
		_N//	Α					116103/110	Se Se	ensit edge	tive fern es (Carex nrod (So	spp.) -(0	ibilis) -A	
D = Dominan	t (>50%), A	. = A	bundant (26-	— 50%), C = C	omn	non (6-	-25%), S = 3	Spars	e (<	:5%)				
Representativ	ve Hydrolog	jic C	haracteristics	s (Ci	rcle whe	re ap	opropr	iate)							
Non-Tidal:	Perm. Flooded		Semi Perm Flooded		Seas				Tidal	l:	Subtio	lal		Irregularly	Exposed
	Saturated Intermittently Flooded						/				Reg. I	looded		Irregularly	Flooded
Hydrologic In	Flooded lydrologic Indicators: Silt Deposition							Water-Sta Leaves			Water	Marks			
			Surface Scr	ourin	ng			Drift Lines	S		Draina	age Patt	erns	Х	
			Buttressed	Tree	es			Depth of Inundation	n:		Depth	to Soil \$	Satura	tion:	
			ı					!			<u>'</u>				
Representativ	ve Soil Cha	racte				Χ		ineral		_		Organic			
Depth (in) 0 - 6	Horiz			ture				rix Color				Redo	x Feat	ures/Notes	3
6 – 20+	Bv		Sand					YR 2/1 YR 4/2						-	
-															
Other Soil Ob	servations	Are	a mapped as	3 -	Ridgebu	ıry, L	eicest	er, and Whi	itman	soil	s, extren	nely stor	ny and	18 - Catd	en & Freetown
River/Stream	Data: N/A						_ Per	ennial				Intermi	ttent		
Depth @ Cen			Bank Height			CI		l Width			Notes:				
Flow Rate: Slow Moderate Fa Substrate %: Peat- Silt-Mud Sa							Banl Grav	k Configura vel	tion:		Underd		Verti		Gradual Artificial
Muck															
Access Route	es														
Nearest Road Crossing Wetland Crossing						Stre	eam C	rossing		Sw	amp Ma	ts Neede	ed	Notes	
	Adjacent to Stetson Y N					Y	0	N		Y		N			
		1	· ·												

Project: Flag Series: Observers: Date:	100 – 142 T. Rambo	ate Reliability Pro & 200 – 214 rger/J. Kennedy_			Wetland ID: Town: Weather: Time:		SR# W-03- oklyn, CT _	-WI-125/NU		5 — — —
Dominant NW	/I Class: PS	S/PFO			Other NWI C	lasse	es: PEM			
Representativ	ve Vegetation	n (Record Specie	s and Occ	urrence Pe	rcentage):					
		r rubrum) - A			Shrubs: _					
		a canadensis) - C us strobus) -C			-					
Saplings/Lian	as:				Herbs/Forbes	s:				
D = Dominant	t (>50%), A =	= Abundant (26-5	- - 0%), C = (Common (6	S	Sphag Sensit	mon fern (0 gnum moss tive fern (0 <5%)	(Sphagnu	m sp.) -A	ea) - A
Representativ	e Hydrologie	c Characteristics	(Circle wh	ere appropi	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		asonally oded X	Tid	al:	Subtidal		Irregular	y Exposed
	Saturated	Intermittently Flooded		ficially oded			Reg. Flo	ooded	Irregular	y Flooded
Hydrologic Inc	dicators:	Silt Deposition	on		Water-Stained Leaves X	i	Water N	Marks		
Elevated root	systems	Surface Scor	uring		Drift Lines		Drainag	e Patterns	X	
Inundated soi	-	Buttressed T	rees		Depth of		Depth to	Soil Satur	ation:	
Area identified Pool/Amphibit habitat					Inundation:					
Representativ	e Soil Chara	acteristics:		_X N	lineral		Or	rganic		
Depth	Horizo				rix Color			Redox Fea	tures/Note	es
0 - 12 12 – 20+	Oa C	Fine sand			12.5/0 YR 5/1					
12 - 201	- C	i ille sailt	ay ioaiii	10	11(3/ 1					
Other Soil Ob	servations:	Area mapped as	3 - Ridgeb	ury, Leices	ter, and Whitma	n soil	ls, extreme	ly stony		
River/Stream	Data: N/A			Pe	rennial	_	Ir	ntermittent		
Depth @ Cen		Bank Height:	Fert	Channe			Notes:	. 1.7	tical	Candinal
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand	Gra	k Configuration: vel		Undercut		tical ılders	Gradual Artificial
	Muck		-3.10	Sitt	-			500		
Access Route	es									
Nearest Road	d Crossing	Wetland Crossi	ng	Stream C	rossing	Sw	vamp Mats	Needed	Notes	
Adjacent to S	tataan	Y N		Υ	N	Υ		N		

Dominant NWI Class: PFO	Project: Flag Series: Observers: Date:		Wetland I Town: Weather: Time:		SR# W-03-W poklyn, CT			6 — — —			
Trees: Red maple (Acer rubrum) – D Yellow birch (Betula alleghaniensis) - C Saplings/Lianas: N/A	Dominant NW	/I Class: PF	0			Other NW	/I Classe	es:			
Yellow birch (Betula alleghaniensis) - C Saplings/Lianas: N/A N/A N/A Sphagnum moss (Sphagnum sp.) - A Skunk cabbage (Symplocarpus foetidus) - C Tussock sedge (Carex stricta) - C D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Flooded Flooded Flooded Flooded Flooded - X Saturated Intermittently Artificially Flooded	Representativ	ve Vegetation	n (Record Sp	ecies and C	Occurrence Pe	ercentage):					
Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Flooded Reg. Flooded Irregularly Exposed Reg. Flooded Irregularly Flooded Flooded Flooded Reg. Flooded Irregularly Flooded Hydrologic Indicators: Silt Deposition Water-Stained Leaves X Also - Elevated root systems Buttressed Trees Depth of Inundated soils Depth of Inundation: Depth to Soil Saturation: Pockets of standing water	Yell Saplings/Lian	ow birch (Be	tula alleghan				Ironw rbes: Spha Skuni	ood (Carpinus gnum moss (S k cabbage (S)	s carolinia Sphagnun mplocarp	na) -C n sp.) - A ous foetidu	
Non-Tidal: Perm. Semi Perm. Flooded F	D = Dominan	t (>50%), A	= Abundant (2	26-50%), C	= Common (6	6-25%), S = S	Sparse (<5%)			
Flooded Flooded Flooded - X Reg. Flooded Irregularly Flooded Flooded Irregular	Representativ	e Hydrologi	Characteris	tics (Circle	where approp	riate)					
Hydrologic Indicators: Silt Deposition Water-Stained Leaves - X	Non-Tidal:						Tidal:	Subtidal		Irregulari	y Exposed
Also — Elevated root systems Inundated soils Pockets of standing water Representative Soil Characteristics: Depth (in)		Saturated					Reg. Floor	led	Irregulari	y Flooded	
Buttressed Trees Depth of Inundation: Depth to Soil Saturation: Depth to	-	dicators:	Silt Depo	osition				Water Mar	ks		
Inundation: Inundation: Inundation: Inundation:	Elevated root	systems	Surface	Scouring		Drift Lines		Drainage F	Patterns		
Depth (in) Horizon Texture Matrix Color Redox Features/Notes 0 - 12 Oa Muck N 2.5/0 12 - 20+ C Sandy loam 2.5 Y 4/2 Other Soil Observations: Area mapped as 75C - Hollis-Chatfield-Rock outcrop complex, 3-15% slopes River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradua Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificia				ed Trees			:	Depth to S	oil Satura	ition:	
O-12 Oa Muck N 2.5/0 12 - 20+ C Sandy loam 2.5 Y 4/2 Other Soil Observations: Area mapped as 75C - Hollis-Chatfield-Rock outcrop complex, 3-15% slopes River/Stream Data: N/A	Representativ	e Soil Chara	acteristics:		xn	Mineral		Orga	ınic		
Other Soil Observations: Area mapped as 75C - Hollis-Chatfield-Rock outcrop complex, 3-15% slopes River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradua Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificia	Depth (in)	Horizo	n 1	exture	Ma	trix Color		Re	edox Feat	ures/Note	·S
Other Soil Observations: Area mapped as 75C - Hollis-Chatfield-Rock outcrop complex, 3-15% slopes River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradua Substrate %: Peat-Muck Gravel Cobbles Boulders Artificia									-	-	
River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradua Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificia	12 – 20+	С	Sa	ndy loam	2	.5 Y 4/2			-	-	
Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradua Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificia Access Routes	Other Soil Ob	servations:	Area mapped	as 75C - H	ollis-Chatfield	I-Rock outcro	p compl	ex, 3-15% slo	pes		
Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradua Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes	River/Stream	Data: N/A		_	Pe	erennial	_	Inte	rmittent		
Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes			,	ght:							
Muck Access Routes				ion:				Gradual			
	Substrate %:	u Gra	ivei		CODDIES	Bou	uers	Artificial			
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Access Route	es									
	Nearest Road	Crossing	Wetland Cr	ossing	Stream (Crossing	Sv	vamp Mats Ne	eeded	Notes	
~ 2,100 feet west Y N Y N Y N											

Project: Flag Series: Observers:	300 – 315 T. Rambo	rger/J. Kennedy _		Wetland Town: Weather:		ENSR# W-03 Brooklyn, CT				- -	
Date:	03/31/08				Time:						-
Dominant NV	VI Class: PS	S/PFO			Other NV	VI Cla	asses:				
Representati	ve Vegetatio	n (Record Species	and Occ	urrence	Percentage):						
	f maple (Ace low birch (Be	r rubrum) -A tula alleghaniensi:	s) -C		Shrubs:	M 	aleberry (Lyo	nia ligus	strina)	-A 	
Saplings/Liar	ıas:				Herbs/Fo	rbes	:				
		N/A				Ci	phagnum mo innamon fern kunk cabbage	(Osmur	nda cii	nnamomea	,
D = Dominan	t (>50%), A	= Abundant (26-50	%), C = C	Commor	n (6-25%), S = \$	Spars	se (<5%)				
Representati	ve Hydrologi	c Characteristics (Circle whe	ere appi	ropriate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	1	sonally oded		Tida	al: Subtid	lal		Irregularly	Exposed
	Saturated	Intermittently Flooded	1	icially ded			Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition	1		Water-Sta		Water	Marks			
Also -					Leaves						
Inundated so	ils	Surface Scou			Drift Lines	;		ige Patte			
Area contains pool/Amphibi habitat		Buttressed Tr	ees		Depth of Inundation	n:	Depth	to Soil S	Satura	tion:	
Representati	ve Soil Chara	acteristics:			Mineral		x	Organi	С		
Depth (in)	Horizo			ı	Matrix Color			Redox		ures/Notes	
0 - 10 10+	Oa R	Muci	(N 2.5/0				-	-	
101	IX.										
Other Soil Ot	servations:	Area mapped as 3	- Ridgebı	ury, Leid	cester, and Whi	tman	soils, extrem	nely ston	ıy		
River/Stream	Data: N/A				Perennial			Intermit	tent		
Depth @ Cer		Bank Height:			nnel Width		Notes:				
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand		Bank Configura Gravel	tion:	Underc		Verti	ders	Gradual Artificial
Substrate %:	Muck	SIII-IVIUU	Sand	(Jiavei Jiavei		Copple	5	Doul	uers	Artilicial
	-						-				
Access Route	es										
Nearest Road		Wetland Crossin	g		m Crossing		Swamp Mat		ed	Notes	
~ 3, 700 feet	west	Y N		Υ	N		Υ	N			

Project: CT-Interstate Reliability Project Flag Series: 300 – 306 Observers: T. Ramborger/J. Kennedy Date: 03/31/08 Dominant NWI Class: PFO								Wetland Town: Weather: Time:			SR# W-03 oklyn, CT			W20-128	- - -
Dominant N\	VI Clas	s: PFO_			_			Other NV	VI CI	asse	s:				
Representat	ve Veg	etation (F	Record Spec	ies and	d Occu	irren	ce Per	centage):							
			ubrum) -A a alleghanie	nsis) -C —				Shrubs:	N	laleb	erry (Lyo	nia ligus	trina)	-A	
Saplings/Lia	nas:			_				Herbs/Fo	rbes	:					
D = Dominant (>50%), A = Abundant (26-50%), C = (С	innar		(Osmun	da cir	ı sp.) -A nnamomea us foetidu:	
D = Dominar	nt (>509	%), A = A	bundant (26	-50%),	C = C	omm	on (6-	25%), S = S	Spar	se (<	5%)				
Representat	ve Hyd	rologic C	haracteristic	s (Circ	le whe	re ap	propr	iate)							
Representative Hydrologic Characteristics (Circle where ap Non-Tidal:									Tida	al:	Subtida	al		Irregularly	Exposed
	Satur	ated	Intermitten Flooded	tly	Artifi Floo	cially ded					Reg. F	looded		Irregularly	Flooded
Hydrologic Ir Also –	dicator	s:	Silt Deposi	tion				Water-Sta Leaves			Water	Marks			
Inundated so	ils	•	Surface So	couring				Drift Lines			Draina	ge Patte	rns		
		•	Buttressed	Trees				Depth of Inundation	1:		Depth	to Soil S	atura	tion:	
Representat	ve Soil	Characte	eristics:				_ Min	eral			_X	Organic			
Depth (in)		Horizon		xture				ix Color 2.5/0				Redox		ures/Notes	3
0 - 10 10+		Oa R	IV	luck			IN	2.5/0							
Other Soil O	oservat	ions: Are	a mapped a	s 3 - Ri	idgebu	ry, L	eicest	er, and Whi	tmar	soil:	s, extrem	ely stony	y		
River/Strean	Data:	N/A					_ Per	ennial				Intermitt	tent		
Depth @ Ce			Bank Heigh			Ch		l Width			Notes:				
Flow Rate: Slow Moderate Fast Substrate %: Peat-							Bank Grav	Configurat	ion:		Cobbles		Verti		Gradual Artificial
Accord David	00					-									1
Access Rout															
Nearest Roa ~ 3, 700 feet		sing V	Vetland Cros	sing		Stre	am C	rossing		Sw	amp Mats	s Neede N	d	Notes	
J, 7 JU 1881	**CSI	1		1.4		_		IN		-		14		l	

Project: Flag Series Observers: Date:	T. Ramborg	te Reliability Project			Wetland Town: Weather: Time:		ENSR# W-I Brooklyn, C		9/NU#	w20-129	- - -
Dominant N	IWI Class: PSS	S			Other NV	VI Cla	sses: PFO				
Representa	tive Vegetation	(Record Species ar	nd Occu	rrence Per	centage):						
Trees: Re	ed maple (Acer	rubrum) -C			Shrubs:		aleberry (Ly . Laurel (Ka				
Saplings/Lia	anas:				Herbs/Fo	rbes:					
- - -		N/A					edges (Care			n sp.) -A	
D = Domina	ınt (>50%), A =	Abundant (26-50%)	, C = C	ommon (6-	-25%), S = \$	Spars	e (<5%)				
Representa	tive Hydrologic	Characteristics (Cir	cle whe	re appropr	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally ded X		Tidal	l: Subti	dal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artific				Reg.	Flooded		Irregularly	Flooded
Hydrologic Also –	Indicators:	Silt Deposition	<u>'</u>		Water-Sta Leaves		Wate	r Marks			
	ied as Vernal	Surface Scouring	9		Drift Lines	;	Drain	age Patte	erns		
Pool/Amphi habitat	bian breeding	Buttressed Trees	3		Depth of Inundation	n:	Dept	n to Soil S	Satura	tion:	
Representa	tive Soil Charac	cteristics:		X M	ineral			Organic			
Depth (in) Horizon	n Texture			rix Color			Redox	Feat	ures/Note	S
0 - 6 6 - 20+	A Bw	Sandy loar Sandy loar			YR 3/2 YR 6/1				-		
				. 0			450/				
		rea mapped as 73C	- Charl			, 3 – 1	15% slopes		_		
	m Data: N/A				ennial			_ Intermit	tent		
Depth @ Co	enter: Slow	Bank Height: Moderate F	ast	Channe	Nidth Configura	tion:	Notes: Under		Verti	ral	Gradual
Substrate %			Sand	Grav		uOII.	Cobble		Boul		Artificial
Access Rou	ites										
Nearest Ro ~ 4,000 fee	ad Crossing t west	Wetland Crossing Y N		Stream C	rossing		Swamp Ma	nts Neede	ed	Notes	

Project: Flag Series: Observers: Date:	100 – 123	ate Reliability & 200 – 215 rger/J. Kenne			Wetland I Town: Weather: Time:		NSR# W-0 rooklyn, C1		/NU# W2	20-130	
Dominant NV	VI Class: PF	O/PSS			Other NW	/I Class	ses:				
Representati	ve Vegetatio	n (Record Sp	ecies and	Occurrence Per	rcentage):						
Trees: Rec	d maple (Ace	r rubrum) -A			Shrubs:	Spic	ebush (Lin	dera ben	zoin) -A	_	
Saplings/Liar	nas:				Herbs/For	rbes:				_	
_		N/A					ails (Typha agnum mo) -C	
D = Dominan	t (>50%), A	= Abundant (2	26-50%), C	C = Common (6-	-25%), S = S	Sparse	(<5%)				
Representati	ve Hydrologi	c Characteris	tics (Circle	where appropri	iate)						
Non-Tidal:	Perm. Flooded	Semi Pe Flooded		Seasonally Flooded X		Tidal:	Subtio	lal	Irre	gularly	Exposed
	Saturated Intermittently Flooded drologic Indicators: Silt Deposition						Reg. F	looded	Irreg	gularly	Flooded
Hydrologic In	dicators:	Silt Depo	sition		Water-Stai		Water	Marks	ı.		
Also -					Leaves 2	X					
Elevated root	systems				Drift Lines			age Patter			
Area identifie Pool/Amphib	Elevated root systems nundated soils Area identified as Vernal Pool/Amphibian breeding habitat				Depth of Inundation	i.	Depth	to Soil Sa	aturation:		
парцац											
Representati	ve Soil Char	acteristics:		X M	ineral			Organic			
Depth (in)	Horizo	n T	Texture	Matr	rix Color			Redox	Features	/Notes	
0 - 4	A		ndy loam		YR 3/2		M 6	0		4/0	
4 – 20+	Bw	Sa	ndy loam	10	YR 6/1		Many fine		features	4/6 rec	loximorphic
Other Soil Ob	oservations:	Area mapped	as 3 - Rid	gebury, Leicest	er, and Whit	man so	oils, extren	nely stony	,		
River/Stream	Data: N/A			Per	ennial			Intermitte	ent		
Depth @ Cer		Bank Heig		Channe			Notes:				
Flow Rate:	Slow	Moderate	Fas		k Configurati	ion:	Underd		Vertical		Gradual
Substrate %.	Substrate %: Peat- Silt-Mud Sand Muck				/ei		Cobble	5	Boulders		Artificial
Access Route	es										
Nearest Roa		Wetland Cr	ossing	Stream C	rossing	S	wamp Ma	ts Needed	d No	otes	
~ 1,350 feet east Y N Y					N	Y		N			

Project: Flag Series: Observers:		t			Wetland I Town: Weather:		ENSR	# W-03	-WI-13	1/NU#	w20-131	_		
Date:	03/31/08_						Time:							_
Dominant NV	/I Class: PF	0					Other NV	/I Cla	asses:	PEM_				
Representativ	ve Vegetation	n (Record Spe	ecies a	nd Occu	ırren	ce Per	centage):							
Trees: Red	l maple (Ace	r rubrum) -C					Shrubs:		oneysu apanese				C thunbergii)-C
Saplings/Lian	as:						Herbs/Fo	rbes	:					
_			_					C	innamo	n fern	(Osmui	nda cir	namomea	a) -C
_								_						
D = Dominan	t (>50%), A	= Abundant (2	 !6-50%), C = C	omn	non (6-	25%), S = S	Spars	se (<5%	6)				
Representativ	e Hydrologie	Characterist	ics (Cir	rcle whe	re a	ppropri	ate)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded	m.	Seas				Tida	al:	Subtida	al		Irregularly	Exposed
	Saturated	Intermitte Flooded	ently	Artifi Floo		/			-	Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depo	sition				Water-Sta Leaves 3		'	Water	Marks			
Inundated soi	ls	Surface S	Scourin	g			Drift Lines		1	Draina	ge Patt	erns		
Ponded		Buttresse	d Tree	s			Depth of Inundation	1:	1	Depth t	to Soil S	Satura	tion:	
Representativ	e Soil Chara	acteristics:			X_	Mi	neral			c)rganic			
Depth (in)	Horizo	n T	exture			Matr	ix Color	Т			Redo	k Feat	ures/Notes	3
0 - 12	Α		ndy loa				YR 3/2					-		
12 – 20+	Bw	Sar	ndy Ioa	m		10 '	YR 4/1					_	•	
Other Soil Ob	servations: /	Area mapped	as 51B	- Sutto	n fsl,	, 2-8%	slopes, ver	y sto	ny					
River/Stream	Data: N/A					_ Pere	ennial				Intermi	ttent		
Depth @ Cen	iter:	Bank Heig Moderate			С		Width			lotes:				
Flow Rate:	Fast	1		Configurat	ion:		Indercu		Verti		Gradual			
Substrate %:	Peat- Muck	Sand		Grav	eı		С	obbles		Boul	aers	Artificial		
Access Route	es													
Nearest Road	d Crossing	Wetland Cro	ossing		Stre	eam Cr	ossing		Swam	np Mats	Neede	ed	Notes	
~ 900 feet ea	st	Υ	N		Υ		N		Υ		N			

Dominant NWI Class: PFC Representative Vegetation Trees: Red maple (Acer Saplings/Lianas: D = Dominant (>50%), A = Representative Hydrologic Non-Tidal: Perm. Flooded Saturated Hydrologic Indicators: Also — Elevated root systems Inundated soils Representative Soil Charac Depth (in) Horizor 0 - 12 A 12 - 20+ Bw Other Soil Observations: A	(Record Species and rubrum) -A	o), C = Corcle whee	commor	Percer	Shrubs: Herbs/For %), S = S	Spice Highb bes: Skunl Sensi Marsh	bush (Linder bush blueber k cabbage (S titive fern (On n marigold (C	ry (Vaccir Symplocar noclea ser	rpus foetidi rsibilis) -A ustris) -C	
Trees: Red maple (Acer Saplings/Lianas: D = Dominant (>50%), A = Representative Hydrologic Non-Tidal: Perm. Flooded Saturated Hydrologic Indicators: Also — Elevated root systems Inundated soils Representative Soil Chara: Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Abundant (26-50% Characteristics (Cir Semi Perm. Flooded Intermittently Flooded	o), C = Corcle whee	commor ere appr sonally	h (6-25°	Shrubs: Herbs/For %), S = S	bes: Skunl Sensi Marsh	k cabbage (S titve fern (On n marigold (C	ry (Vaccir Symplocar noclea ser	rpus foetidi rsibilis) -A ustris) -C	
Saplings/Lianas: D = Dominant (>50%), A = Representative Hydrologic Non-Tidal: Perm. Flooded Saturated Hydrologic Indicators: Also — Elevated root systems Inundated soils Representative Soil Chara: Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Abundant (26-50% Characteristics (Cir Semi Perm. Flooded Intermittently Flooded	Seas Floor	ere appr	n (6-25 ^c ropriate	Herbs/For %), S = S ≩)	bes: Skunl Sensi Marsh	k cabbage (S titve fern (On n marigold (C	ry (Vaccir Symplocar noclea ser	rpus foetidi rsibilis) -A ustris) -C	
D = Dominant (>50%), A = Representative Hydrologic Non-Tidal: Perm. Flooded Saturated Hydrologic Indicators: Also – Elevated root systems Inundated soils Representative Soil Chara- Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Semi Perm. Flooded Intermittently Flooded	Seas Floor	ere appr	n (6-25°	%), S = S	Skunl Sensi Marsh ————————————————————————————————————	itive fern (On n marigold (C	oclea ser	nsibilis) -A ustris) -C	A- (au
Representative Hydrologic Non-Tidal: Perm. Flooded Saturated Hydrologic Indicators: Also — Elevated root systems Inundated soils Representative Soil Chara: Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Semi Perm. Flooded Intermittently Flooded	Seas Floor	ere appr	ropriate	e)					
Non-Tidal: Perm. Flooded Saturated Hydrologic Indicators: Also – Elevated root systems Inundated soils Representative Soil Chara- Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Semi Perm. Flooded Intermittently Flooded	Seas Floor Artific	sonally				Cubala - I			
Flooded Saturated Hydrologic Indicators: Also – Elevated root systems Inundated soils Representative Soil Chara Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Flooded Intermittently Flooded	Floor		,	Τ.		Culpital - I			
Hydrologic Indicators: Also – Elevated root systems Inundated soils Representative Soil Chara: Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Flooded			`		Tidal:	Subtidal		Irregulari	y Exposed
Also – Elevated root systems Inundated soils Representative Soil Chara Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Cilt Doposition	Floor	icially ded				Reg. Floo	oded	Irregulari	y Flooded
Representative Soil Chara Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Sill Deposition	· I			/ater-Stair eaves X		Water Ma	arks	l .	
Representative Soil Chara Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Surface Scourin	ng		D	rift Lines		Drainage	Patterns	X	
Depth (in) Horizor 0 - 12 A 12 - 20+ Bw	Buttressed Tree	es			epth of nundation:		Depth to	Soil Satur	ration:	
0 - 12 A 12 - 20+ Bw	cteristics:		x	_ Miner	ral		Org	ganic		
12 – 20+ Bw	n Texture		ı	Matrix (Color		F	Redox Fea	atures/Note	es
	Mucky silt lo			10 YR					-	
Other Soil Observations: A	Fine sandy lo	oam		10 YR	6/1					
Other Soil Observations: A										
15% slopes, very rocky	rea mapped as 520	C - Sutto	n fsl, 2-	-15% sl	lopes, ext	remely	stony and 73	3C - Char	Iton-Chatfie	eld complex, 3-
River/Stream Data: N/A				Perenr			Int	termittent		
Depth @ Center:	Bank Height:	F1		nnel W			Notes:	1	-411	10t :
Flow Rate: Slow Substrate %: Peat- Muck		Fast Sand		Bank Co Bravel	onfiguration	on:	Undercut		rtical ulders	Gradual Artificial
Access Routes										
Nearest Road Crossing			Stream	n Cross	sing	Sv	vamp Mats N	Needed	Notes	
~ 300 feet east	Wetland Crossing		Y	1	N	Y	Namp mater			

Project: Flag Series: Observers: Date:	300 – 308 T. Rambo	ate Reliability rger/J. Berg _		_		Wetland Town: Weather: Time:			R# W-03 klyn, CT		3/NU#	# w20-133	-
Dominant NV	VI Class: PE	М				Other NV	/I Cla	asses	: PFO_				-
Representati	ve Vegetation	n (Record Spe	ecies and O	ccurren	ce Perc	entage):							
Trees: Red	d maple (Ace	r rubrum) -C				Shrubs:	=			N/A			
Saplings/Liar	nas:					Herbs/Fo	rbes:						
		N/A					Sc Ca Je Se	oft rus attails ewelw edges	sh (Junc s (Typha reed (Imp s (Carex	us effus latifolia) patiens (es) -C) -C caper		A- (au
D = Dominan	t (>50%), A	= Abundant (2	!6-50%), C =	= Comm	on (6-2	5%), S = S	Spars	se (<5	5%)				
Representati	ve Hydrologi	c Characterist	ics (Circle v	vhere ap	propria	te)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded		easonal looded -			Tida	ıl:	Subtida	al		Irregulari	y Exposed
	Saturated	Intermitte Flooded	,	rtificially looded	'				Reg. F	looded		Irregulari	y Flooded
Hydrologic In	dicators:	Silt Depo	sition			Water-Sta			Water	Marks			
Also -						Leaves	Х						
Inundated so	ils	Surface S	Scouring			Drift Lines			Draina	ge Patte	erns	- X	
		Buttresse	ed Trees			Depth of Inundation	1:		Depth	to Soil S	Satura	tion:	
Representati	ve Soil Chara	acteristics:			_ Miner	ral			x	Organio	3		
Depth (in)	Horizo	n T	exture		Matrix	Color				Redox	Feat	ures/Note	ıs.
0 - 24	Oa		Muck		N 2	2.5/0					-	-	
24+	R												
Other Soil Ot 15% slopes,		Area mapped	as 52C - Sı	utton fsl,	2-15%	slopes, ex	trem	ely st	tony and	173C - C	Charite	on-Chatfie	eld complex, 3-
River/Stream	Data: N/A		_		_ Perer	nnial				Intermit	tent		
Depth @ Cer	nter:	Bank Heig	ht:	CI	nannel V	Width		T	Notes:				
Flow Rate:	Slow	Moderate	Fast			Configurat	ion:	1	Undercu		Verti		Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grave	1			Cobbles	3	Boul	ders	Artificial
Access Route	es												
Nearest Road	d Crossing	Wetland Cro	ossing	Stre	am Cro	ssing		Swa	amp Mat	s Neede	d	Notes	
Adjacent to V Road	Vindham	Υ	N	Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	400 – 408 T. Rambo	ate Reliability rger/J. Berg					Wetland Town: Weather Time:			SR# W-0: oklyn, CT			¢ W20-134	- - -
Dominant NW	/I Class: PS	S		_			Other N\	VI Cla	asse	es:				
Representativ	ve Vegetation	n (Record Spe	ecies ar	nd Occi	urren	ce Per	rcentage):							
Trees:		N/A					Shrubs:	_			_N/A			
Saplings/Lian							Herbs/Fo							
Sapiings/Lian		N/A					neros/re	SI SI Si Ci	kunk phag ensi inna	gnum mo: tive fern (ss (Sph Onoclea (Osmu	agnum a sens nda cii	sibilis) -C nnamomea	
D = Dominan	t (>50%), A	= Abundant (2	6-50%), C = C	omm	on (6-	-25%), S =	Spars	se (<	5%)				
Representativ	ve Hydrologi	c Characterist	ics (Cir	cle whe	ere ap	propr	iate)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded	m.		sonal ded -			Tida	al:	Subtid	al		Irregularly	Exposed
	Saturated	Intermitte	ntly	Artifi	icially ded	,				Reg. F	looded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Depo	sition				Water-Sta			Water	Marks			
Also -							Leaves							
Inundated soi	ls	Surface S					Drift Lines	8			ge Patt			
		Buttresse	d Tree	S			Depth of Inundation	n:		Depth	to Soil \$	Satura	tion:	
Representativ					X		ineral		_	(Organic			
Depth (in) 0 - 10	Horizo		exture				rix Color				Redo	Feat	ures/Notes	3
10 – 10	A Bw		ndy loar my san				YR 3/2 YR 5/1					-		
			,											
Other Soil Ob	servations:	Area mapped	as 52C	- Sutto	n fsl,	2-159	% slopes, e	xtrem	nely:	stony				
River/Stream	Data: N/A					_ Per	ennial				Intermi	ttent		
Depth @ Cen		Bank Heig	ht:		Cl		l Width			Notes:				
Flow Rate:	Slow	Moderate	F	ast		Banl	k Configura	tion:		Underc		Verti		Gradual
Substrate %:	Substrate %: Peat- Silt-Mud Muck					Grav	vel			Cobbles	8	Boul	ders	Artificial
Access Route	es													
Nearest Road	1 Crossing	Wetland Cro	ossina		Stre	am C	rossing		Sw	amp Mat	s Need	ed	Notes	
Adjacent to W Road		Y	N		Y	0	N		Y	p	N		.10.00	

Project: Flag Series: Observers:	300 – 30	4 _	Reliability Pro		_		Wetland I Town: Weather:			R# W-03 oklyn, CT			# w20-135	_
Date:	04/21/08	_			-		Time:							
Dominant N	WI Class: P	FO_					Other NW	/I Cla	asses	s:				
Representat	ive Vegetation	on (F	Record Species	and Occ	curre	nce Pe	rcentage):							
Trees: Re	d maple (Ac	er ru	ubrum) –A				Shrubs:	Ja	apane	ush (Lindese barbe suckle (L	erry (Be	rberis	thunbergii) -C
Saplings/Lia	nas·						Herbs/Fo	rhes	···					
— — —		_N//	Α				11012011	_ _ _			_N/A			
			bundant (26-5				-	Spars	se (<	5%)				
		ic C	haracteristics (iate)							
Non-Tidal:	Perm. Flooded		Semi Perm. Flooded		asor ode	ally d X		Tida	al:	Subtida	al		Irregularly	Exposed
	Saturated		Intermittently Flooded		ficia ode					Reg. F	looded		Irregularly	Flooded
Hydrologic Ir Also –	ndicators:		Silt Deposition	n			Water-Stai			Water	Marks			
Ponded			Surface Scot	iring			Drift Lines			Draina	ge Patt	erns -	- X	
			Buttressed T	rees			Depth of Inundation	ı:		Depth 1	to Soil \$	Satura	ition:	
Representat	ive Soil Cha	acte	eristics:		_x_	M	ineral			c	Organic			
Depth (in)	Horiz	on	Textu	ire		Mat	rix Color				Redox	k Feat	ures/Notes	3
0 - 8 8 - 20+	A Bw	,	Sandy Sandy				YR 3/2 Y 6/2		Ma	ny mediu	um 10 \	- R 5/6	redoximo	rphic features
Other Soil O	bservations:	Are	a mapped as 5	2C - Sutt	on f	sl, 2 – 1	5% slopes, e	extre	emely	stony				
River/Stream				_			ennial				Intermi	ttent		
Depth @ Ce		_	Bank Height:			Channe				Notes:				
Flow Rate:	Slow		Moderate	Fast	_		k Configurati	ion:		Undercu		Vert		Gradual
Substrate %	Peat- Muck		Silt-Mud	Sand		Grav	/el			Cobbles	3	Boul	lders	Artificial
Access Rout														
Nearest Roa			Vetland Crossii	ng		tream C				amp Mats		ed	Notes	
~ 500 feet w	est	Y	' N		Y		N		Υ		N			

Project: Flag Series: Observers: Date:	400 T. R	– 412 _ amborge	Reliability F					Wetland Town: Weather Time:				WI-136/NI			- - -
Dominant N	WI Clas	s: PFO_						Other N\	VI CI	asse	s:				
Representat	ive Veg	etation (I	Record Spec	ies and	1 Оссі	urrend	ce Per	centage):							
Trees: Re	d maple	e (Acer ru	ubrum) –A					Shrubs:				dera benz erry (Berb	,	nbergii)-C
				_					_					-	
Saplings/Lia	nas:	N/.	A					Herbs/Fo	S	kunk ensit	ive fern (e (Symploo Onoclea s I (Caltha p	ensibili	s) -C	s) -A
D = Domina	nt (>509	%), A = A	bundant (26	 -50%),	C = C	omm	on (6-2	25%), S =	Spar	se (<	5%)			_	
Representat	ive Hyd	rologic C	haracteristic	s (Circ	le whe	ere ap	propri	ate)							
Non-Tidal:	Perm		Semi Perm Flooded	1.		sonal			Tida	al:	Subtid	al	Irre	gularly	Exposed
	Satur	ated	Intermitten Flooded	tly	Artifi	icially ded					Reg. F	looded	Irre	gularly	Flooded
Hydrologic I	ndicator	rs:	Silt Deposi	tion				Water-Sta Leaves			Water	Marks			
			Surface So	ouring				Drift Lines	6		Draina	ge Patterr	1s X		
			Buttressed	Trees				Depth of Inundatio	n:		Depth	to Soil Sa	turation	:	
			I												
Representat	ive Soil	Charact	eristics:			_X	Mii	neral				Organic			
Depth (in)	Horizon	Te	xture			Matri	x Color				Redox F	eatures	/Notes	3
0 - 12		Α		ly loam				/R 2/1					-		
12 – 20+		Bw	S	and			10 Y	/R 5/2					-		
Other Soil O	bservat	ions: Are	a mapped a	s 3 - Ri	dgebu	ıry, Le	eiceste	er, and Wh	itmar	n soil:	s, extrem	ely stony			
River/Stream	n Data:	N/A					_ Pere	ennial		_		Intermitte	nt		
Depth @ Ce			Bank Heigh			Ch		Width			Notes:				
Flow Rate:		low	Moderate		ast .			Configura	tion:		Underci		/ertical		Gradual
Substrate %		eat- luck	Silt-Mud	Sa	and		Grav	eI			Cobbles	S E	Boulders	8	Artificial
												1			
Access Rou	tes														
Nearest Roa	d Cros	sina V	Vetland Cros	sina		Stre	am Cr	ossing		Sw	amp Mat	s Needed	N	otes	
Adjacent to				N		Y		N		Y		N	1.40	00	
		I						1		1		ı	- 1		

Project: Flag Series: Observers: Date:	100 – 12 T. Ramb	3 & orge	e Reliability F 200 – 215 _ er/J. Berg			_		Wetland Town: Weather: Time:			R# W-03 klyn, CT			W20-137	- - -
Dominant NV	VI Class: F	FO/	PSS			-		Other NV	VI C	lasse	s:				
Representati	-			cies and	d Occ	urrenc	e Pe								
Trees: Re	d maple (A	er r	ubrum) - A					Shrubs:	N J N	Multifle Honey Iapan Meade	oush (Lin ora rose vsuckle (L ese barb owsweet led alder	(Rosa m onicera erry (Be (Spiraea	nultiflo sp.) - rberis a latifo	ra) - A ·C ·thunberg olia) –C	ii) -C
Saplings/Liai	nas:							Herbs/Fo	rbes	s:					
		_N/	/A						C F S	Cattail Cinnai Reed Sedge Sensit	ls (Typha mon fern canary gi es (Carex	latifolia (Osmur rass (Ph spp.) – Onoclea) -C nda cii ialaris C a sens	nnamome arunidina sibilis) –C tosa) -C	a) -C
D = Dominar	nt (>50%), A	\ = <i>I</i>	Abundant (26	6-50%),	C = C	Comm	on (6	-25%), S = \$	Spar	rse (<	5%)				
Representati	ve Hydrolo	gic C	Characteristic	cs (Circ	le whe	ere ap	propr	riate)							
Non-Tidal:	Perm. Flooded		Semi Pern Flooded	n.		sonall ded -			Tid	al:	Subtid	al		Irregularly	y Exposed
	Saturated		Intermitter Flooded	ntly		icially oded					Reg. F	looded		Irregularly	y Flooded
Hydrologic Ir Also –	idicators:		Silt Depos	ition				Water-Sta Leaves	inec	d	Water	Marks	•		
Elevated roo	t systems		Surface S	couring				Drift Lines	i		Draina	ge Patte	erns		
Inundated so Area contain Pool/Amphib habitat	s a Vernal	g	Buttressed	d Trees				Depth of Inundation	n:		Depth	to Soil S	Satura	tion:	
Representati	ve Soil Cha	ract	teristics:			Χ	M	lineral				Organic			
Depth	Hori			xture				rix Color				Redox	c Feat	ures/Note	s
0 - 8	Α			dy loam				YR 3/2					-	-	
8 – 20+	Bı	V	San	dy loam	l		10	YR 6/1					-	-	
Other Soil O	bservations	: Are	ea mapped a	ıs 3 - Ri	idgebı	ury, Le	eicest	ter, and Whi	tma	n soil	s, extrem	ely ston	ıy		
River/Stream	Data: Sto	ıy B	rook (S-03-V	VI-050)		_x	P	erennial				Intermit	tent		
Depth @ Ce	nter: 6 – 12	"	Bank Heigh Moderate			Ch		el Width 15 -			Notes:				
Flow Rate: Substrate %:	ast and X		Ban Grav		tion:		Cobbles		Verti		Gradual X Artificial				
Access Rout	es														-
Nearest Roa	d Crossing	١	Wetland Cros	ssing		Stre	am C	rossing		Sw	amp Mat	s Neede	ed	Notes	
Adjacent to F	Route 6	`	Y	N		Υ		N		Υ		N			

			WETLA	ND SUMM	ARY FIELD	DATA	A FO	RM			
Project: Flag Series: Observers: Date:	100 – 119	ate Reliability P & 200 – 211 _ ger/J. Berg		_	Wetland Town: Weather Time:				-WI-138/NU		- -
Dominant NV	// Class. DE	2			Other NV	A/I Cla		DCC			
						WI CIA	isses	s. PSS_			-
	-	(Record Speci	es and Occ	currence Pe							
Trees: Red	d maple (Ace	rubrum) -A	_		Shrubs:				onicera sp.) Rosa multif		
Saplings/Liar	ias:		_		Herbs/Fo	orbes:	:				
		N/A				Sp Sk W	ohagr kunk oolgr eeple	num mos cabbage rass (Scir ebush (S	latifolia) -A s (Sphagnu (Symploca pis cyperini piraea latifo	rpus foetidu us) -C	s) - C
D = Dominan	t (>50%), A =	Abundant (26-	50%), C = (Common (6	6-25%), S = 3	Spars	se (<5	5%)			
Representati	ve Hydrologic	Characteristics	s (Circle wh	ere approp	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm Flooded		asonally oded X		Tida	l:	Subtida	al	Irregularly	Exposed
	Saturated	Intermittent Flooded		ficially oded				Reg. F	ooded	Irregularly	Flooded
Hydrologic In Also –	dicators:	Silt Deposit	ion		Water-Sta Leaves			Water I	Marks		
Inundated so	ils	Surface Sc	ouring		Drift Lines	3		Draina	ge Patterns	X	
		Buttressed	Trees		Depth of Inundation	n:		Depth t	to Soil Satu	ration:	
Representativ	ve Soil Chara	cteristics:	_	Mi	neral			_X	Organic		
Depth (in)	Horizo	n Tex	ture	Ma	trix Color				Redox Fe	atures/Note	s
0 - 12	Oa	M	uck	1	1 2.5/0						
12+	R										
Other Soil Ob	oservations: A	Area mapped as	3 - Ridaeb	urv. Leices	ter, and Wh	itman	soils	s. extrem	elv stonv		
River/Stream				-	rennial				Intermittent		
Depth @ Cer	nter:	Bank Height	:	Channe	el Width			Notes:			
Flow Rate:	Slow	Moderate	Fast		nk Configura	tion:	_	Undercu	t Ve	rtical	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Gra	vel			Cobbles	Во	ulders	Artificial
Access Route	es										
Nearest Road	d Crossing	Wetland Cross	sing	Stream 0	Crossing		Swa	amp Mats	Needed	Notes	
~ 500 feet so		Υ	N	Υ	N		Υ	1	N		
		'									

Project: Flag Series: Observers: Date:	100 – 115 & T. Ramborg	e Reliability Proje 200 – 217 er/J. Berg			Wetland I Town: Weather: Time:		ISR# W-03-WI- ooklyn, CT			- - -
Dominant NV	WI Class: PFO	/PSS			Other NW	/I Class	es:			
Representati	ve Vegetation ((Record Species	and Occu	ırrence Pe	rcentage):					
	mlock (Tsuga c d maple (Acer r				Shrubs:		nese barberry (E ebush (Lindera b			i) -A
Saplings/Liar	nas:				Herbs/Fo	rbes:				
							amon fern (Osm k cabbage (Syn			
D = Dominar	nt (>50%), A = /	Abundant (26-50%	%), C = C	ommon (6	-25%), S = S	parse (<5%)			
Representati	ve Hydrologic (Characteristics (C	ircle whe	re appropr	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded	Artifi Floo	cially ded			Reg. Floode	ed	Irregularly	Flooded
Hydrologic In	idicators:	Silt Deposition	1		Water-Sta		Water Marks	S		
Also –					Leaves 2	X				
Inundated so	oils	Surface Scouri	ng		Drift Lines		Drainage Pa	atterns		
Area contain Pool/Amphib habitat		Buttressed Tre	es		Depth of Inundation	:	Depth to Soi	il Satura	ation:	
Representati	ve Soil Charac	teristics:		Mir	neral		X Orga	ınic		
Depth (in)					rix Color		•		tures/Note	8
0 - 12	Oa	Muck			1 2.5/0		1100	-	-	
12+	R									
	hearyations: Ar	ea mapped as 61	B - Canto	on & Charl	ton soils, 3-8	% slope	es, very stony			
Other Soil Ol	uservations. Ar			Pei	rennial	_		mittent		
River/Stream	n Data: N/A									
River/Stream	n Data: N/A	Bank Height:	Fast	Channe			Notes:	Mr.	liaal	Candinal
Other Soil Ol River/Stream Depth @ Cer Flow Rate: Substrate %:	n Data: N/A	Bank Height: Moderate Silt-Mud	Fast Sand		k Configurat	ion:	Notes: Undercut Cobbles	Vert	tical	Gradual Artificial
River/Stream Depth @ Cer Flow Rate: Substrate %:	n Data: N/A Inter: Slow Peat- Muck	Moderate		Ban	k Configurat	ion:	Undercut			
River/Stream Depth @ Cer Flow Rate:	n Data: N/A nter: Slow Peat- Muck	Moderate	Sand	Ban	k Configurati vel		Undercut	Bou		

Project: Flag Series: Observers: Date:	100 – 109 &	e Reliability Project 200 – 207 er/J. Berg				Wetland Town: Weather: Time:			SR# W-03- oklyn, CT _			140
Dominant NV	/I Class: PFO/	PSS				Other NV	VI CI	asses	s:			_
Representativ	ve Vegetation (Record Species a	nd Occu	ırren	ce Per	centage):						
Trees: Rec	l maple (Acer n	ubrum) -A				Shrubs:			ese barber oush (Linde			ergii) - A
Saplings/Lian		A				Herbs/Fo	S	kunk larsh	cabbage (marigold (weed (Impa	Caltha p	alustris) -	A ,
D = Dominan	t (>50%), A = A	Abundant (26-50%), C = C	omm	on (6-	25%), S = \$	Spar	se (<	5%)			
Representativ	ve Hydrologic C	Characteristics (Ci	rcle whe	ere ap	propri	ate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonal ded -			Tida	al:	Subtidal	I	Irregul	arly Exposed
	Saturated	Intermittently Flooded	icially ded	,				Reg. Flo	ooded	Irregul	arly Flooded	
Hydrologic In Also –	dicators:	Silt Deposition	,			Water-Sta Leaves			Water N	Marks		
Inundated so	ils	Surface Scourin	ıg			Drift Lines	6		Drainag	e Patterr	s X	
Area contains Pool/Amphibi habitat		Buttressed Tree	s .			Depth of Inundation	n:		Depth to	Soil Sat	uration:	
Representativ	e Soil Charact	eristics:			_ Min	eral			_x	Organic		
Depth (in)	Horizon	Texture			Matr	ix Color				Redox F	eatures/N	otes
0 - 14	Oa	Muck			N	2.5/0						
14+	R						+					
							+					
Other Soil Ob	eservations: Are	ea mapped as 3 -	Ridaebu	ırv. L	eiceste	er. and Whi	tmar	n soils	s. extreme	lv stonv		
River/Stream				-		ennial				ntermitte	nt	
Depth @ Cer	iter:	Bank Height:		Cl	hannel	Width			Notes:			
Flow Rate:	Slow		Fast			Configurat	tion:		Undercut		'ertical	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grav	rel			Cobbles	E	oulders	Artificial
Access Route	es											
Nearest Road	d Crossina	Vetland Crossing	1	Stre	am C	rossing		Sw	amp Mats	Needed	Note	s
~ 1,800 feet s	_	/ N		Y	,um 01	N		Y		N	14016	
		I				1			-			

Project: Flag Series: Observers: Date:	400 – 404 T. Ramboi	ate Reliability Proj rger/J. Berg			Wetland Town: Weather Time:		ENSR# W-03 Brooklyn, CT		J# W20-14	1 — —
Dominant N	NI Class: PF	0			Other NV	VI Cla	isses:			-
Representat	ive Vegetation	n (Record Species	and Occ	urrence P	ercentage):					
Trees: Re	d maple (Ace	r rubrum) -A			Shrubs:		neysuckle (L icebush (Lin			
Saplings/Lia		N/A			Herbs/Fo			wer (Majant	hemum ca	nadense) - C
_						_	inada mayilo	wei (iviaiaiii		naderise) - C
		= Abundant (26-50		-	-	Spars	e (<5%)			
		Characteristics (priate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal	l: Subtida	al	Irregulari	y Exposed
	Saturated	Intermittently Flooded		ficially oded			Reg. F	looded	Irregulari	y Flooded
Hydrologic Ir	ndicators:	Silt Deposition	n		Water-Sta Leaves		Water	Marks	•	
		Surface Scou	ring		Drift Lines	;	Draina	ge Patterns		
		Buttressed Tr	ees		Depth of Inundation	n:	Depth	to Soil Satur	ration:	
Representat	ive Soil Chara	acteristics:			Mineral			Organic		
Depth (in)	Horizo	n Textu	re	Ma	atrix Color			Redox Fea	atures/Note	es
0 - 6 6 - 20+	A Bw	Sandy le			0 YR 3/2 0 YR 6/2					
Other Soil O	bservations: /	Area mapped as 3	- Ridgeb	ury, Leices	ster, and Wh	tman	soils, extrem	ely stony		
River/Strean					erennial			Intermittent		
Depth @ Ce Flow Rate:		Bank Height:	East		nel Width	lior:	Notes:	ut 1.7	rtical	Gradual
Substrate %	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		nk Configura avel	uOH.	Cobbles		rtical ulders	Gradual Artificial
Access Rout	tes									
Nearest Roa		Wetland Crossin	g	Stream	Crossing		Swamp Mat	s Needed	Notes	
~ 1,800 feet	southwest	Y N		Υ	N		Υ	N		

Project: Flag Series: Observers: Date:	300 – 308	ate Reliability rger/J. Berg _			-		Wetland Town: Weather Time:			SR# W-0 oklyn, Cī			¢ w20-142	- - -
Dominant NW	/I Class: PF	0					Other N\	VI CI	asse	es:				
Representativ	•		ecies	and Occ	urren	ce Per	0 ,							
Whi	te pine (Pinu	r rubrum) - A is strobus) -C i canadensis)					Shrubs:			ysuckle (I ora rose				
Saplings/Lian	as:						Herbs/Fo	orbes	3:					
_		N/A						J	ewel	cabbage weed (Im tive fern	patiens	caper		s) -A
D = Dominant								Spar	se (<	5%)				
Representativ							iate)							
Non-Tidal:	Perm. Flooded	Semi Pe Flooded	m.		sona oded			Tida	al:	Subtid	lal		Irregularly	Exposed
	Saturated	ficially oded	′				Reg. F	looded		Irregularly	Flooded			
Hydrologic Inc			Water-Sta			Water	Marks	-						
Also –		Surface	Coouri	na			Drift Lines			Droine	age Patt	orno	v	
nundated soi	ls			•				•			-			
		Buttress	ed Fre	es			Depth of Inundatio	n:		Depth	to Soil	Satura	tion:	
Representativ	re Soil Chara	acteristics:			х	М	ineral				Organic			
Depth (in)	Horizo	n 7	extur	9	T	Matr	ix Color				Redo	x Feat	ures/Notes	
0 - 14	A		ndy lo				YR 3/2					_		
14+	R													
Other Soil Ob			as 3 -	Ridgeb	ury, L	eicest	er, and Wh	itmar	n soil	ls, extren	nely stor	ny and	59C - Glo	ucester gsl, 3-
River/Stream	Data: N/A					_ Per	ennial				Intermi	ttent		
Depth @ Cen		Bank Heig	ht:		С		l Width			Notes:				
low Rate:	Slow	Moderate		Fast			c Configura	tion:		Underc		Vert		Gradual
Substrate %: Peat- Silt-Mud Sand Muck						Grav	/el			Cobble	s	Boul	ders	Artificial
Access Route	is.													
Nearest Road		Wetland Cr	nssing	1	Stre	am C	rossing		Sw	amp Ma	ts Need	ed	Notes	
Adjacent to La Road		Y	N		Y	ani O	N		Y	any wa	N	ou	140.63	
		*	•						•					

Project: Flag Series: Observers: Date:	300 – 312 T. Rambo	ate Reliability rger/J. Berg					Wetland I Town: Weather: Time:			SR# W-03 oklyn, CT			# W20-143	- - -
Dominant NV	VI Class: PS	S					Other NV	/I Cla	asse	s: PFO_				
Representativ	ve Vegetation	n (Record Spe	ecies and	d Occ	urren	ce Perc	entage):							
Trees:		N/A	_				Shrubs:			suckle (L (Salix sp		sp.) -	-A	
Saplings/Lian	ias:						Herbs/Fo	rbes	:					
 D = Dominan		N/A	_	C = 0	Comm	on (6-2:	5%), S = S	Si Pi Si	usso teepl hragi kunk	cabbage	(Carex piraea t ragmite	stricta omen s aus		s) -C
Representativ	ve Hydrologic	: Characterist	ics (Circl	e whe	ere ar	propria	ite)							
Non-Tidal:	Perm. Flooded	Semi Per Flooded		Sea	sonal	ly		Tida	al:	Subtida	al		Irregularly	Exposed
	Saturated	Intermitte Flooded		icially ded					Reg. F	looded		Irregularly	Flooded	
Hydrologic In	dicators:	Silt Depo	sition				Water-Sta			Water	Marks			
Also -							Leaves 2	X						
Inundated so	ils	Surface S	Scouring				Drift Lines			Draina	ge Patte	erns		
Area contains Pool/Amphibi habitat		d Trees				Depth of Inundation	:		Depth	to Soil S	Satura	ition:		
Representativ	ve Soil Chara	acteristics:				_ Mine	ral			_x	Organi	С		
Depth (in)	Horizo	n T	exture			Matrix	Color				Redox	(Feat	ures/Notes	3
0 – 24+	Oa		Muck			N 2	2.5/0					-	-	
								\dagger						
Other Soil Ob	oservations:	Area mapped	as 3 - Ri	dgebi	ury, L	eicester	r, and Whit	tman	soil	s, extrem	ely ston	ıy and	15 -Scarb	oro muck
River/Stream	Data: N/A					_ Perer	nnial				Intermit	tent		
Depth @ Cer	nter:	Bank Heig Moderate		ast	Cl	nannel V				Notes:				
Flow Rate: Substrate %:		Grave	Configurat I	ion:		Cobbles		Vert	ders	Gradual Artificial				
Access Route	es													
Nearest Road	d Crossing	Wetland Cro	ssing		Stre	am Cro	ssing		Sw	amp Mat	s Neede	ed	Notes	
Adjacent to L Road	aurel Hill	Υ	N		Υ		N		Υ		N			

Project: Flag Series: Observers: Date:	300 – 305	state Reliability Project Wetland ID: ENSR# W-03-WI-144/NU# w20-144 15 Town: Brooklyn, CT orger/J. Berg Weather: Time: Time:					- - -				
Dominant N	WI Class: PFC)			Other NV	VI Cla	asses	s: POW			
Representat	ve Vegetation	(Record Species ar	nd Occu	irrence Pei	rcentage):						
Trees: Re	d maple (Acer	rubrum) -A			Shrubs:	H-	oney	suckle (Lonicera	sp.) - <i>F</i>	A 	
Saplings/Lia		I/A			Herbs/Fo			ive fern (Onoclea	a sensi	bilis) -C	
=						=					
D = Domina	nt (>50%), A =	Abundant (26-50%)	, C = C	ommon (6-	-25%), S = \$	Spars	se (<	5%)			
Representat	ve Hydrologic	Characteristics (Cir.	cle whe	re appropr	iate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tida	al:	Subtidal	1	rregularly	Exposed
	Saturated	Intermittently Flooded	Artifi Floo	cially ded				Reg. Flooded	Irregularly	Flooded	
Hydrologic II Also – Inundated so		Silt Deposition Surface Scouring	9		Water-Sta Leaves Drift Lines	Х		Water Marks Drainage Patt	erns		
munuateu st	nis	Buttressed Trees	5		Depth of Inundation	n:		Depth to Soil S	Saturat	ion:	
Representat	ve Soil Charac	eteristics:		X M	ineral			Organic			
Depth (in)					rix Color			Redo	x Featu	res/Notes	3
0 – 20+	С	Coarse sandy	IOam	10	YR 3/2						
Other Soil O	bservations: A	rea mapped as 15 -	Scarbo	ro muck							
River/Stream	Data: N/A			Per	ennial			Intermi	ttent		
Depth @ Ce		Bank Height:		Channe				Notes:			
Flow Rate: Substrate %	Slow Peat- Muck		ast Sand	Banl Grav	k Configura vel	tion:		Undercut Cobbles	Vertic		Gradual Artificial
Access Rout	es										
Nearest Roa	-	Wetland Crossing		Stream C				amp Mats Neede	ed	Notes	
~ 300 feet so	outnwest	Y N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	300 – 308 T. Rambor	ate Reliability P ger/J. Berg		_	Wetland Town: Weather: Time:		NSR# W-03 rooklyn, CT	3-WI-145/NU	# w20-145			
Dominant N	WI Class: PF	0			Other NV	/I Class	ses:					
	-	(Record Spec	ies and Occ	urrence Pe	rcentage):							
Ye		r rubrum) -A tula alleghanier y (Carya ovata)			Shrubs:	Japa	anese barbe	erry (Berberis	s thunberg	ii) -A		
Saplings/Lia	nas:				Herbs/Fo	rbes:						
_		N/A	 					(Symplocarp (Veratrum v		ıs) - A		
D = Dominar	nt (>50%), A =	- Abundant (26	 -50%), C = 0	Common (6	-25%), S = S	Sparse	(<5%)					
Representat	ive Hydrologic	Characteristic	s (Circle wh	ere appropr	riate)							
Non-Tidal:	Fidal: Perm. Semi Perm. Seasonal Flooded Flooded Flooded					Tidal:	Subtida	al	Irregularly	y Exposed		
	Saturated	Intermitten		ficially oded			Reg. F	looded	Irregularly Flooded			
Hydrologic Ir	ndicators:	Silt Deposi	tion		Water-Sta Leaves		Water	Marks				
		Surface So	couring		Drift Lines		Draina	ge Patterns				
		Buttressed	Trees		Depth of Inundation	ı:	Depth	to Soil Satura	ation:			
Representat	ive Soil Chara	cteristics:		X M	lineral		C	Organic				
Depth (in)	Horizo	n Te:	xture	Mat	rix Color			Redox Fea	tures/Note	S		
0 - 8 8+	C R	Sand	ly loam	10	YR 3/2			-	-			
Other Soil O	bservations: A	Area mapped a	s 108 - Saco	silt loam								
	n Data: S-03-\				rennial	_	X	_ Intermitten	t			
Depth @ Ce Flow Rate:		Bank Height Moderate			el Width 5 – 6 k Configurat		Notes:	ıt Mani	tical	Gradual X		
Substrate %	Slow Peat- Muck	Silt-Mud	Fast Sand	Gra		IOH.	Cobbles		ilders	Artificial		
Access Rout	es											
Nearest Roa	d Crossing	Wetland Cros	sing	Stream C	rossing	8	Swamp Mats	s Needed	Notes			
~ 1,200 feet			N	Υ	N	Y		N				

Project: Flag Series: Observers: Date:	300 – 304 T. Rambor	ger/J. Berg			Wetland II Town: Weather: Time:		NSR# W-03-WI-1 rooklyn, CT		- - -	
Dominant NV	WI Class: PF0	D			Other NW	l Clas	ses:			
Representati	ve Vegetation	(Record Species a	and Occu	ırrence Pe	rcentage):					
	d maple (Acer llow birch (Bet	rubrum) -A ula alleghaniensis)	-A		Shrubs:		anese barberry (B wood (Carpinus c			ii) -A
Saplings/Liar	nas:				Herbs/For	bes:				
		N/A					nk cabbage (Sym elweed (Impatien:			ıs) -D
D = Dominar	nt (>50%), A =	Abundant (26-50%	%), C = C	ommon (6	-25%), S = S _I	parse	(<5%)			
Representati	ve Hydrologic	Characteristics (C	ircle whe	re appropr	iate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X	Subtidal	1	rregularly	/ Exposed		
	Saturated	Intermittently Flooded	Artifi Floo	cially ded			Reg. Flooded	d I	rregularly	/ Flooded
Hydrologic In	ndicators:	Silt Deposition			Water-Stair	ned	Water Marks			
Also –					Leaves X					
Inundated so	oils	Surface Scouri	ng		Drift Lines		Drainage Pat	tterns		
		Buttressed Tre	es		Depth of Inundation:		Depth to Soil	Saturat	ion:	
Representati	ve Soil Chara	cteristics:		X M	ineral		Organi	С		
Depth (in)	Horizoi	n Texture	9	Mat	rix Color		Redo	ox Featu	res/Note	S
0 - 16	С	Very fine sa loam/silt lo		10	YR 2/1					
16+	R									
Other Soil O	hservations: A	rea mapped as 3 -	Ridaehu	ırv Leicest	er and White	nan si	nils extremely sto	nnv		
River/Stream		пси таррей из о	raugebu	-	ennial	nan s	Interm			
Depth @ Cer		Bank Height:		Channe		_	Notes:			
Flow Rate:	Slow	Moderate	Fast		k Configuration	on:	Undercut	Vertic	cal	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav			Cobbles	Bould	lers	Artificial
Access Rout	es									
Nearest Roa		Wetland Crossing		Stream C			Swamp Mats Need	ded	Notes	
	ortheast	Y N	Т	Υ	N	Y	′ N			

Project: Flag Series: Observers: Date:	300 – 307	ger/J. Berg		-	Wetland li Town: Weather: Time:	Brooklyn, CT					
Dominant NV	VI Class: PF	0			Other NW	I Class	ses: POW				
Representativ	ve Vegetation	(Record Species a	ind Occ	urrence Pe	rcentage):						
Trees: Rec	l maple (Acer	rubrum) -A			Shrubs:		ebush (Lindera be anese barberry (Be	,		-A	
Saplings/Lian	ias:				Herbs/For	bes:			_		
_		N/A					sock sedge (Scirpi nk cabbage (Symp) -C	
D = Dominan	t (>50%), A =	Abundant (26-50%	s), C = 0	Common (6-	-25%), S = S	parse ((<5%)				
Representativ	ve Hydrologic	Characteristics (C	rcle who	ere appropr	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal:	Subtidal	Ir	regularly	Exposed	
	Saturated	Intermittently Flooded		icially oded			Reg. Flooded	li	regularly	Flooded	
Hydrologic In Also –	dicators:	Silt Deposition			Water-Stai Leaves	ned	Water Marks	,			
Ponded		Surface Scouring	ng		Drift Lines		Drainage Patt	terns			
Inundated so	ils	Buttressed Tree	es		Depth of Inundation	:	Depth to Soil	Saturati	on:		
Representation	ve Soil Chara	cteristics:		_ X M	lineral		Organic	;			
Depth 9in)	Horizo	n Texture		Mat	rix Color		Redo	x Featu	res/Notes		
0 - 16	С	Silt loam/silt	-		YR 2/1						
16+	С	Sandy loa	ım	10	YR 2/1			-			
Other Soil Obsoils	servations: A	Area mapped as 3 -	Ridgeb	ury, Leicest	er, and Whit	man so	oils, extremely sto	ny and 1	17-Timakv	va & Natchaug	
River/Stream	Data: N/A			Per	rennial	_	Interm	ittent			
Depth @ Cer		Bank Height:		Channe			Notes:				
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Grav	k Configurati vel	on:	Undercut Cobbles	Vertic Bould		Gradual Artificial	
Access Route	es										
Nearest Road	d Crossing	Wetland Crossing		Stream C	rossing	S	wamp Mats Need	ed	Notes		
~ 900 feet no	rtheast	Y N		Υ	N	Υ	N				

Project: Flag Series: Observers: Date:	CT-Interstat 400 – 413 & T. Ramborg 04/24/08 _		-		Wetland I Town: Weather: Time:	1			-WI-148/I		20-148	- - -	
Dominant NW	/I Class: PUB	/PEM/PFO/PSS	5			Other NW	/I Cla	sses:					
Representativ	ve Vegetation	(Record Species	s and Occ	urren	ce Perc	centage):							
Trees:		I/A	- - -			Shrubs:				Alnus ruç Cornus a			
Saplings/Lian	as:		-			Herbs/Fo	rbes:					_	
_	N	I/A	- -							ass (Phalatifolia) -		ndinad	ea) -A
D = Dominan	t (>50%), A =	Abundant (26-50	0%), C = 0	Comm	ion (6-2	25%), S = S	Sparse	e (<5	%)				
Representativ	e Hydrologic	Characteristics ((Circle who	ere ap	propria	ate)							
Non-Tidal:	Flooded Flooded X Flooded						Tidal	l:	Subtida	I	Irre	gularly	Exposed
	Saturated	Intermittently Flooded		ficially oded	'				Reg. Flo	ooded	Irre	gularly	Flooded
Hydrologic In	dicators:	Silt Depositio	n			Water-Sta			Water N	Marks			
Inundated soi	ls	Surface Scot	uring			Drift Lines			Drainag	e Patterr	ıs		
		Buttressed T	rees			Depth of Inundation	1:		Depth to	Soil Sa	turation	:	
Representativ	ve Soil Charac	eteristics:		х	Mir	neral			Oı	rganic			
Depth (in)	Horizon	Textu	ıre		Matri	x Color				Redox F	eatures	/Notes	3
0 - 12 12 – 20+	Oa C	Muc Sandy				2.5/0 / 5/2		Ma	any fine 8		 n 10 YR eatures		doximorphic
Other Soil Ob	servations: A	rea mapped as 1	17 - Timak	wa &	Natcha	aug soils							
River/Stream	Data: N/A				_ Pere	ennial	-		I	ntermitte	nt		
Depth @ Cen		Bank Height:		Cł	nannel				Notes:				
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Bank Grave	Configurat el	ion:					Gradual Artificial	
Access Route	15												
Access Route		Wetland Crossin	ng	Stre	am Cro	ossina		Swar	mp Mats	Needed	No	otes	

Project: Flag Series: Observers: Date:	300 – 32 T. Ramb	22 oorge	e Reliability er/J. Berg _					Wetland Town: Weather Time:			SR# W-03	- - -			
Dominant N	WI Class: F	PFO/	PSS			_		Other N	NI CI	asse	es:				
Representat	ive Vegetat	ion (Record Spe	ecies a	nd Occ	urren	ce Perc	entage):							
Trees: Re	d maple (A	cer n	ubrum) –A					Shrubs:	Н	lone	nese barbo ysuckle (L bush (Lind	onicera	sp.) -) -A
Saplings/Lia	nas:							Herbs/F	orbes	s:					
_		_N/	Ά						S	kunk	cabbage	(Symp	locarp	us foetidus	s) -D
D = Dominal									Spar	se (<	<5%)				
Non-Tidal:	Perm. Flooded		Semi Per Flooded	m.		sonal			Tida	al:	Subtida	al		Irregularly	Exposed
	Saturated	i	Intermitte Flooded	ntly		ficially oded	,				Reg. F	looded		Irregularly	Flooded
Hydrologic II Also –	ndicators:		Silt Depo	sition				Water-Sta Leaves			Water	Marks			
Inundated so	oils		Surface S	Scourin	g			Drift Line:	S		Draina	ge Patt	erns	Х	
Area identific Pool/Amphib habitat			Buttresse	d Tree	s			Depth of Inundatio	n:		Depth	to Soil S	Satura	tion:	
Representat	ive Soil Cha	aract	eristics:				Mine	eral			_x	Organi	С		
Depth (in)) Hori	zon	Т	exture			Matrix	x Color				Redo	Feat	ures/Notes	3
0 – 20+	0	а		Muck			N 2	2.5/0					-		
Other Soil O	bservations	: Are	ea mapped	as 17 -	- Timak	wa &	Natcha	ug soils							
River/Stream								nnial				Intermi	tent		
Depth @ Ce			Bank Heig			CI	nannel		£		Notes:	.4	M 6	1	One desert
Flow Rate: Substrate %	Slow : Peat- Muck		Moderate Silt-Mud		Fast Sand		Grave	Configura	iuOn:		Cobbles		Verti		Gradual Artificial
Access Rou	tes														
Nearest Roa			Netland Cro				eam Cro				vamp Mat		ed	Notes	
Adjacent to Road	Wolf Den	١	(N		Υ		N		Υ		N			

WETLAND SUMMARY FIELD DATA FORM

Wetland ID: ENSR# W-03-WI-150/NU# W20-150

Project: CT-Interstate Reliability Project ____

Flag Serie			k 200 – 218 _.		-	Town:		ooklyn, CT			_
Observers			ger/J. Berg _		-	Weather					_
Date:	04/	/24/08			-	Time:	_				_
Dominant	NWI Cla	ss: PFC)/PSS		_	Other NV	VI Classe	es:			
Represen	tative Ve	getation	(Record Spe	cies and Oc	currence Pe	ercentage):					
Trees:	Red map	ole (Acer	rubrum) -A			Shrubs:	Hone	ysuckle (Lonie	cera sp.) -A	
			ula alleghani								
	Shagbari	k hickory	(Carya ovat	a) -S							
Saplings/l	Lianas:					Herbs/Fo	orbes:				
							Skunl	k cabbage (Sy	vmploca	rpus foetidu	ıs) -A
								hellebore (Ve			•
D = Domi	nant (>50	0%), A =	Abundant (2	6-50%), C =	Common (6	5-25%), S = \$	Sparse (<5%)			
Represen	tative Hy	drologic	Characterist	ics (Circle w	nere approp	riate)					
Non-Tidal	: Peri	m.	Semi Per	m. Se	asonally		Tidal:	Subtidal		Irregulari	y Exposed
	Floo	oded	Flooded	Flo	oded X						
	Satu	urated	Intermitte	ntly Ar	ificially			Reg. Floor	ded	Irregulari	y Flooded
			Flooded	Flo	oded						
Hydrologi	c Indicato	ors:	Silt Depo	sition		Water-Sta		Water Mar	rks		
Also –						Leaves	Х				
Inundated	soils		Surface S	Scouring		Drift Lines	3	Drainage I	Patterns	X	
			Buttresse	d Trees		Depth of		Depth to S	Soil Satu	ration:	
						Inundation	n:				
						1					
Represen	tative So	il Charac	cteristics:		X N	/lineral		Orga	anic		
Depth ((in)	Horizon	Т	exture	Mat	trix Color		Ri	edox Fe	atures/Note	s
0 - 8		А		idy loam		YR 3/2					-
8 – 20)+	В	Sar	idy loam	10	YR 6/1		Many fine & n			edoximorphic
									fea	itures	
Other Sei	l Obson	otions: A	rea mapped	oo 100 Coo	o cilt loom						
				as 100 - Sac							
River/Stre		i: ranner		_		Perennial	_		ermittent		
Depth @		Slow	Bank Heig Moderate	nt: Fast		el Width nk Configura	tion:	Notes: Undercut	\/△	rtical	Gradual
Substrate		Peat-	Silt-Mud	Sand	Gra			Cobbles		ulders	Artificial
		Muck									
		t flagged	because of	no clear cha	nnel in majo	rity of corrid	or.				
	Brook no									-	
* Tanner I								\$4-4- \$1			
* Tanner I	outes	ssina	Wetland Cro	ssina	Stream C	Crossina	Sv	vamb iviats in	eeded	Notes	
	outes Road Cro		Wetland Cro	ssing N	Stream C	Prossing N	Sv	vamp Mats No		Notes	

Project: Flag Series Observers: Date:	: <u>:</u> <u>!</u>	CT Interstate 300 - 344 P. London, 5/1/08				Wetland I Town: Weather: Time:	B	/-10 – WI-050 / w2 rooklyn unny, 60's	0-151		
Dominant N	WI CI	ass:	Pss			Other NW	I Classe	es: <u>POW, Pem, F</u>	PFO		-
Representa	tive V	egetation (F	Record Species an	d Occurre	ence Perce	ntage):					
		ubrum (FAC	C) - C una (FAC) - S			Shrubs:	Vac Lyo Line Alne	raea tomentosa (F ccinium corymbosu nia ligustrina (FAC dera benzoin (FAC us rugosa (FACW- sa multiflora (FACN	im (FAC CW) - C CW-) -C +) - C	CW) - A	
Saplings/Lia	anas					Herbs/Fo	hes.				
- - - -	Acer n Salix s						Car _Syn _Typ _Ond _Osr	rex stricita (OBL) - nplocarpus foetidu sha latifolia (OBL) - oclea sensibilis (F/ munda cinnamome	s (OBL) · A · ACW) - :	S	
D = Domina	ant (>5	60%), A = A	oundant (26-50%)	C = Com	ımon (6-25	i%), S = Spars	se (<5%)			
Representa	tive H	ydrologic C	haracteristics (Circ	le where	appropriate	e)					
Non-Tidal:		erm. 🛛 ooded	Characteristics (Circle where appropriate) Semi Perm. Seasonally Tidal: Subtidal Irreg Flooded Flooded						Irregularly	Exposed	
	Sa	aturated 🛚	Intermittently Flooded	Floo	icially ded 🔯 ne dam			Reg. Flooded		Irregularly	Flooded
Hydrologic	Indicat	tors:	Silt Deposition			Water-Stai Leaves ⊠	ned	Water Marks			
			Surface Scouri	ng 🗌		Drift Lines		Drainage Patt	erns 🛚	1	
			Buttressed Tre	es 🗌		Depth of Inundation	: 🛛 0-4	Depth to Soil	Saturati	on: 🛛 s	urface
Representa	itive S	oil Characte	eristics:	⊠ N	lineral		×	Organic - both	in ROV	v	
Depth		Horizon	Textur	е		atrix Color			ox Feat	ures/Notes	1
0 – 10" 10 – 20'+		A Bg	Mucky fsl Fine sandy loa	am	10yR 2/1 2.5y 4/1	1		turated y 5/2 4 10yR 4/4 –	C,M,D		
Other Soil (Observ	vations:lr	n general, very poo	orly draine	ed in maint	ained ROW, p	oorly dr	ained outside			
River/Strea	m Data	a: None-di	scharges to S-10-	WI-025 [Perenni	al		Intermittent			
Depth @ C	enter:		Bank Height:			el Width		Notes:			
Flow Rate: Substrate 9	6:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		nk Configuration	on:	Undercut Cobbles	Verti	ders	Gradual Artificial
		IVIUCK									
Access Ro	utes										
Nearest Ro	ad Cro	ossing	Wetland Crossing		Stream C	Crossing		wamp Mats Neede	ed	Notes	
Rte. 169			Y 🛛 N [Υ	N 🗵	Y	' □ N □			

Project: Flag Series:	CT Interstat 400 - 403	е				Wetland Town:	ID:	W-1 Broo	0 – WI-0	49 / w20	-152_		
Observers:		T. Braham				Weather:			ny, 60's				
Date:	5/1/08	1. Dranam				Time:		9:30					
Dominant NWI	l Class:	Pss - Isolated				Other NV	VI Cla	asses:	_Pss, F	FO, Pov	v		=
Representative	e Vegetation (Record Species a	nd Occurre	nce P	ercent	age):							
Trees: No	ne					Shrubs:		Spirae	ea latifolia	(FACV	/+) - C	:	
									num reco				
							-						
							_						
Saplings/Liana	as:					Herbs/Fo	rbes	:					
Bet	tula alleghanie	ensis (FAC) - S							ea sensil				
									s effusus				
_							-	Panic	um cland	estum			
_							-						
		bundant (26-50%					se (<	5%)					
		Characteristics (Cir											
Non-Tidal:	Perm.	Semi Perm.		sonally			Tida	al:	Subtida	al		Irregularly	Exposed
Flooded		Flooded	FIOO	ded [-								
	Saturated X			cially					Reg. F	Reg. Flooded Irreg			Flooded
		Flooded	Floo	ded [┚┃								
Hydrologic Ind	licators:	Silt Deposition				Water-Sta	ined		Water	Marks []		
, ,						Leaves 🛚	PF	0					
		Surface Scour	ing 🗌			Drift Lines			Draina	ge Patte	rns []	
		Buttressed Tre				Depth of			Donth	to Soil S	oturoti	ion: 🕅 o	urface
		buttlessed TR	ses 🗆			Inundation	: 🛛	1"	Бериі	10 3011 3	aturat	IUII. 🔼 S	unace
								_					
Representative	e Soil Charact	eristics:	⊠ M	lineral					Organic				
Depth	Horizor					ix Color						tures/Notes	
0 – 8 "	Α	Fine sandy lo	oam	2.5y					zed rhizo				
8 – 15"+	Bg	Sand loam		2.5y	5/2			10yR	3/6 & 2.5	y 5/4 –	C,M,D		
Other Soil Obs	servations:l	Poorly drained									_		
River/Stream [Data: None		Г	7 Per	ennial			□ln	termitter	ıt			
Depth @ Cent		Bank Height:			annel	Width		ΠÏ	Notes:				
Flow Rate:	Slow	Moderate	Fast		Bank	Configurati	on:		Undercu	it	Verti	ical -	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand		Grave	el			Cobbles		Boul	ders	Artificial
		1	1	1 1									1
Access Routes	s		·										
Nearest Road	Crossing	Wetland Crossing	9	Strea	am Cro	ossing		Swa	ımp Mats	Neede	t	Notes	
Rte. 169 Y N N Y N N Y N N				1									

Project: Flag Series: Observers: Date:	P. London 4/29/08	00-251,300-326,350 , T. Braham	-396		Wetland I Town: Weather: Time:	Ra 2:1	10 – WI-048 / w2 poklyn ining 50's 0 PM			
Dominant N	WI Class:	Pem			Other NW	I Classes	s: _ <u>Pss, PFO, Pc</u>	DW .		-
	-	(Record Species and	d Occurre	nce Percen	tage):					
	Acer rubrum (FA Carpinus amom	um (FACW) - C			Shrubs:	_Vacc	s rugosa (FACW- inium corymbosu lea latifolia (FAC)	ım (FACV		
Saplings/Lia	nas:				Herbs/For	bes:				
	Acer rubrum (FA	AC) - C				_Symp	x stricta (OBL) - I olocarpus foetidu a latifolia (OBL) - gmites australis (s (OBL) - · C		
D = Domina	nt (>50%), A = A	Abundant (26-50%),	C = Com	mon (6-25%	%), S = Spars	e (<5%)				
Representat	ive Hydrologic (Characteristics (Circ	le where a	appropriate))					
Non-Tidal:	Perm. Flooded	Semi Perm.	1	sonally		Tidal:	Subtidal	Ir	regularly	Exposed
	Saturated >	_	Artific				Reg. Flooded	Ir	Flooded	
Hydrologic I	ndicators:	Silt Deposition			Water-Stai Leaves ⊠		Water Marks			
		Surface Scouring	ng 🗌		Drift Lines		Drainage Patt	erns 🛚		
		Buttressed Tree	es 🗌		Depth of Inundation 0" – 1.5		Depth to Soil	Saturation	n: 🛛 sı	urface
Representat	ive Soil Charac	teristics:	□ M	lineral		\boxtimes	Organic			
Depth	Horizo		Э		rix Color			ox Featur	res/Notes	
0 – 20 " +	Oa	Sapric		10yR 2/1		Wate	er table			
Other Soil O	bservations:	Very poorly drained	, areas of	ponding						
River/Stream		Brook (S-10-WI-022 Bank Height: 1	2) ∑ I – 2'	Perennial Channel	Width 4 – 8		ntermittent Notes: Mostly	/ formed l	by Tussoo	ck sedge
Flow Rate:	Slow	Moderate	Fast	Bank	Configuration		Undercut	Vertica	al - X	Gradual
Substrate %	Peat- Muck 80%	Silt-Mud	Sand 15%	Grav 5%	rel		Cobbles	Boulde	ers	Artificial
Access Rou	tes									
Nearest Roa	nd Crossing	Wetland Crossing	,	Stream Cr			amp Mats Neede		Notes	
Rte. 169		Y 🛛 N 🗆	J	Y 🛛	N 🗆	Υ	N □	ı		

Project: CT Interstate Wetland ID Flag Series: 100-103, 200-211 Town:					D:		10 – WI-04 oklyn	47 / w20-	154_						
Observers		ou-103, 20 London,						Weather:			ning 50's				
Date:	_	1/29/08						Time:			30 PM				
Dominant	NWI Cla	ass: Ps	s, PFO					Other NW	/I Cla	sses	:				
			Record Specia		d Occurre	1 000	Doroon				_				
		-			a Occurre	ence i	Percen						_		
		alleghaniei ubrum (FAC	nnsis (FAC) -	C				Shrubs:			rugosa (fi nium cory			W) - C	
-	Accire	abrum (r Ac	<i>7</i>) - <i>R</i>								odendron				
									_L	yoni	a ligustrin	a (FACW	/) - S		
-				_					L	inde	ra benzoii	n (FACW	/-) - C		
Saplings/L	ianas:							Herbs/For	rbes:						
_	None								_F	hrag	mites aus	stralis (FA	ACW+) - S	
-				_							a latifolia (
-				_							stricta (Colocarpus				
-				_							inda cinna				
D = Domin	nant (>5	0%) A = Al	oundant (26-	50%)	C = Com	mon	(6-25%	S = Spars							
			naracteristics						30 (.c	3,0)					
			Semi Perr					·	T. 1		Lauri				
Non-Tidal:		rm. ooded	Flooded			sonal ded			Tida	11:	Subtida	11		Irregularly	Exposed
		turated 🏻	Intermitter			icially					Reg. Fl	andad		Irregularly	Floodod
	Sa	iturateu 🔼	Flooded			ded					Reg. FI	ooded		irregulariy	riooded
Hydrologic	Indicat	ors:	Silt Depos	ition				Water-Stai	ined		Water I	Marks 🗌			
								Leaves 🛛	PFC)					
			Surface S	couri	ng 🗌			Drift Lines			Drainag	ge Patter	ns 🛚		
			Buttresse	d Tree	es 🗌			Depth of			Depth t	o Soil Sa	turati	on: 🛛 s	urface
								Inundation	: 🗆						
Represent	ative So	oil Characte	ristics:			linera	al			\boxtimes	Organic				
Depth	h	Horizon		extur	е			ix Color					Feat	res/Notes	i
0 – 30 "		Oa	Sapric			10 _y	/R 2/1		_ '	Wate	r table at	surface			
									+						
Other Soil	Observ	ations:											_		
River/Streat		a: None	Bank Heigh	v+-			rennial hannel			□ Ir	ntermitten Notes:	t			
Flow Rate:		Slow 🗌	Moderate [Fast			Configuration	on:		Undercu	t	Vertic	al	Gradual
Substrate		Peat-	Silt-Mud		Sand		Grav				Cobbles		Bould		Artificial
		Muck													
Access Ro	outes														
Nearest Ro	oad Cro		Wetland Cro	_		Stre	eam Cr				amp Mats			Notes	
Rte. 169			Υ⊠	Ν[Υ [N⊠		Υ [\boxtimes	N \square			
100			. =3	ı L	_			1 53				· · ·		1	

Project: Flag Series: Observers: Date:	CT Interstat 400-411 P. London, 4/29/08				Wetland ID: Town: Weather: Time:	Bro Rai	10 – WI-04 oklyn ning 50's 20 AM	l6 / w20-1	55	- - - -
Dominant NW	'l Class: P	em - Isolated			Other NWI	Classes	:			
Representativ	e Vegetation (Record Species and	d Occurre	nce Percen	tage):					_
Trees:	lone				Shrubs:	_Cornu	us amomu	adensis (F m (FACW (FACV) -		
Saplings/Lian	as:				Herbs/Forbe	es:				
	one					Cares Onoc	ıs effusus	ilis (FACV (FACW+)		
D = Dominant	(>50%), A = A	bundant (26-50%),	C = Com	mon (6-25%	6), S = Sparse	(<5%)				
Representativ	e Hydrologic C	Characteristics (Circl	e where a	appropriate))					
Non-Tidal:	Perm.	Semi Perm.	Seas	sonally	Т	idal:	Subtida	ıl	Irregular	y Exposed
	Flooded	Flooded	Floo	ded 🗌						
	Saturated	Intermittently Flooded		cially ded			Reg. Flo	ooded	Irregulari	y Flooded
Hydrologic Inc	licators:	Silt Deposition			Water-Staine Leaves	d	Water N	Marks 🗌	<u>"</u>	
		Surface Scouring	g 🛛		Drift Lines		Drainag	ge Patterns	i 🗆	
		Buttressed Tree	s 🗌		Depth of Inundation: []	Depth to	o Soil Satu	ıration: 🏻	surface
		1			ļ.					
Representativ	e Soil Charact	eristics:	⊠ M	lineral			Organic			
Depth	Horizor	n Texture)	Mati	rix Color			Redox F	eatures/Note	es
0 – 12 "	A	Very fine sand		2.5y 3/1			zed rhizop			
12 – 20+"	Bg	Fine sandy loa	m	2.5y 5/2		2.5y	5/4 4 10yF	R 3/6 – C,N	II,D	
-										
Other Soil Ob	servations:I	Poorly drained soils								
River/Stream Depth @ Cen		Bank Height:		Perennial Channel			ntermittent Notes:	t		
Flow Rate:	Slow 🗌	Moderate	Fast		Configuration	:	Undercut	t V	'ertical	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav			Cobbles	Е	loulders	Artificial
Access Route	s									
Nearest Road	Crossing	Wetland Crossing		Stream Cr			amp Mats		Notes	
Rte. 169		Y 🛛 N 🗆	J	Υ 🗆	N 🖾	Y	XI	N 🗆		

Project: Flag Series: Observers: Date:	ag Series: 400-403 pservers: P. London, T. Braham						Wetland Town: Weather Time:		Broo	0 – WI-04 oklyn ning 40's 15 AM	5 / w20	-156_		
Dominant NW	/I Clas	ss: Pss					Other NV	VI CI	lasses:	_				-
Representativ	e Veç	getation (Re	ecord Species an	d Occurre	nce F	ercen	tage):							
Trees:L	Jlmus	rugosa (FA	AC) - C				Shrubs:			s amomu multiflora				
	alix sp	. (OBL) - C					Herbs/Fo			locarpus f	oetidus	(OBL)	- A	
_			sis (FAC) - S			(0.050	<i>(</i>) 0 0	-	-50()					
		•	undant (26-50%) aracteristics (Circ					se (•	<5%)					
Non-Tidal:		m. 🔲 oded	Semi Perm.	Seasonally Flooded				Tid	ial:	Subtidal			Irregularly	Exposed
	Intermittently Flooded							Reg. Flo	ooded		Irregularly	Flooded		
Hydrologic Ind	Silt Deposition				Water-Sta Leaves ⊠			Water N	∕larks □]				
			Surface Scouri	ng 🗌		Drift Lines			Drainag	je Pattei	ns 🗵	1		
			Buttressed Tre	es 🗌			Depth of Inundation	n: 🔲	l	Depth to	o Soil Sa	aturati	on: 🛛 s	urface
Representativ	re Soi	l Character	istics:	⊠ N	linera	I				Organic				
Depth		Horizon	Textu	е		Mat	rix Color				Redox	r Feat	ures/Notes	i
0 – 16 "+		С	Fine sandy lo	am	10y	R 2/1			Satura	ated surfa	ice, stor	ıy		
	\dashv													
	_							_[
Other Soil Ob	serva	tions: Po	orly drained soils	s - disturbe	ed									
River/Stream	unnamed	[⊠ Per	rennial	ı		⊠ In	ntermittent	t Man-ı	made	dam divide	s flow regimes		
Depth @ Cen	" – 2'	2 – 4"	Ch		Width 3'0		,		Waterfa					
Flow Rate: Slow ☑ Moderate ☐ Fas Substrate %: Peat- Silt-Mud Sar					+	Bank	Configurat	ion:		Undercut	t	Verti	cal - X	Gradual - X Artificial
Muck 40% 30						10%				20%		Doul	ucio	Autiliciai
Access Routes														
Nearest Road		sina M	Vetland Crossing		Stro	am Cr	neeina		Swa	amp Mats	Needon		Notes	
Church St.	0108		Vetiand Crossing				Y		N 🔲		140163			
							•			,				

Project: Flag Series: Observers:	P. London,	te 00-226,300-312,40 T. Braham	0-415		Wetland IE Town: Weather:	Bro	10 – WI-044 / w20 ooklyn ining 40's)-157	- - -
Date:	4/25/08				Time:		0 PM		_
Dominant NW	/I Class: P	em			Other NWI	Classes	s: _PFO		
Representativ	e Vegetation (Record Species ar	nd Occurre	ence Percen	tage):				
Trees:	Acer rubrum (F.	AC) - D			Shrubs:	_Vacc	inium corymbosur	m (FACW) - C	
_									
_									
01:// :					Herbs/Forl				
Saplings/Lian	as:				nerbs/Fori				
							x stricta (OBL) - D		
							olocarpus foetidus a latifolia (OBL) -		
							s effusus (FACW+		
							um salicaria (FAC		
D = Dominant	- (>E00/) A = /	Abundant (26-50%)	C = Com	man (6 250	() C = Cnoro				
						(~0/0)			
Representativ	e Hydrologic C	Characteristics (Circ	cle where a	appropriate)				
Non-Tidal:	Perm.	Semi Perm.	Seas	sonally		Tidal:	Subtidal	Irregulari	y Exposed
1	Flooded	Flooded	Floo	ded 🗌					
	Saturated [Intermittently	Artifi	icially			Reg. Flooded	Irregulari	y Flooded
		Flooded	Floo	ded 🗌					
Hydrologic Inc	dicators:	Silt Deposition			Water-Stair	ned	Water Marks]	
					Leaves 🛛	PFO			
		Surface Scouri	ing 🗌		Drift Lines [Drainage Patte	erns 🛛	
		Buttressed Tre	es 🏻		Depth of		Depth to Soil S	Saturation: 🛛	surface
			_		Inundation: 0 – 6"	\boxtimes	.,	_	
					0-0		-		
Ponrocontatio	e Soil Charact	orietice:	Пм	lineral		×	Organic		
Depth	Horizor		re		rix Color	10/-4-		x Features/Note	es .
0 – 30 "+	Oa	Sapric		10yR 2/1		vvate	er table at surface		
Other Soil Ob	servations:							_	
River/Stream		ery Brook (S-10-W Brook (S-10-WI-020		□ Perennia			ntermittent		
Depth @ Cen	ter: 6" – 1.5'	Bank Height: 2	2'		Width 5-6			k sedge forms b	
Flow Rate:	Slow 🛛	Moderate	Fast		Configuratio	n:	Undercut	Vertical - X	Gradual
Substrate %:	Peat- Muck 40%	Silt-Mud 10%	Sand 50%	Grav	rel		Cobbles	Boulders	Artificial
Access Route	es								
Nearest Road	Crossing	Wetland Crossing		Stream Cr	ossing	Sw	amp Mats Neede	d Notes	
Church St.	-	Y 🛛 N [Υ⊠	N 🗆		N □		
				-	-		-		

Project:	CT Interstate	9			Wetland I)-158	_		
Flag Series:	400 - 434				Town:		0 – WI-042 / w20-158 klyn ny 80's				
Observers:	P. London,	T. Braham			Weather:		ny 80's		_		
Date:	4/28/08				Time:	1:35	5 PM		_		
Dominant NW	/I Class: Ps	s - Isolated			Other NW	/I Classes:	POW/	PFO			
Representativ	ve Vegetation (F	Record Species ar	d Occurre	nce Percen	tage):						
Trees:/	Acer rubrum (FA	(C) - S			Shrubs:		is amomum (FAC				
_							alanthus occident				
							rugosa (FACW+				
-		 -					ea tomentosa (FA num recognitum (
						VIDUIT	idili recognitulii ((I ACVV-)			
Saplings/Lian	as:				Herbs/For	bes:					
							s effusus (FACV				
_					_Lythrum salicaria (FACW+)						
_					Scirpus cyperinus (OBL) Eupatorium perfoliatum (FACW+)						
							ea sensibilis (FA				
D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)											
Representative Hydrologic Characteristics (Circle where appropriate)											
Non-Tidal:	Perm.	Semi Perm.	Seas		Tidal:	Subtidal	Irregular	ly Exposed			
	Flooded	Flooded 🛛	Flood	ded 🗌							
	Saturated 🛛	Intermittently	Artific	cially			Reg. Flooded	Irregular	ly Flooded		
	_	Flooded	Flood	ded 🔲							
Hydrologic In	dicators:	Silt Deposition			Water-Stai	ned	Water Marks	3			
, ,					Leaves 🛚						
		Surface Scouri	ng 🗌		Drift Lines		Drainage Patte	erns 🛛			
		Buttressed Tre	es 🗌		Depth of		Depth to Soil S	Saturation: 🛛	surface		
					Inundation 1' – 2'	: M					
Representativ	e Soil Characte	eristics:	⊠ M	ineral			Organic				
Depth	Horizon	Textu			rix Color			x Features/Not	es		
0 – 6"	Α	Fine sandy lo		2.5y 3/2			r table				
6 – 12"	AB	Fine sandy lo	am	2.5y 1/3			1/2 – C,M,D				
12 – 18"	Cg	Sandy loam		2.5y 5/2		2.5y 4	1/3 – C,M,D				
Other Soil Ob	servations:v	ery poorly drained	due to por	nded condit	tions						
River/Stream	Data: None		Г	Perennia	I	ΠIr	ntermittent				
Depth @ Cen		Bank Height: 2	2-8'	Channel	Width 4-1	0'	Notes:				
Flow Rate:	Slow	Moderate	Fast	Bank	c Configuration	on:	Undercut	Vertical	Gradual		
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav	/el		Cobbles	Boulders	Artificial		
		1						-			
Access Route	es										
Nearest Road	Crossing	Wetland Crossing		Stream Cr	ossing	Swa	amp Mats Neede	d Notes			
Church St.		Y 🛛 N [Υ 🔲	N⊠	Υ [
		-					1				

Project:	CT Interstat	e			Wetland II	_	/-10 – WI-043 / w	20-159			
Flag Series:	300 - 317				Town:		rooklyn				
Observers: Date:		T. Braham			Weather: Time:		unny 80's				
Date:	4/24/08				Time:	2:	30 PM				
Dominant NW	I Class: P	FO			Other NW	l Classe	es: _PSS			-	
Representativ	e Vegetation (Record Species ar	nd Occurre	nce Percen	tage):						
	cer rubrum (F				Shrubs:		cinium corymbos				
	inus strobus (I					_Lyo	nia ligustrina (FA	CW) - C			
	Ilmus rubra (F	AC) - S				_					
_											
Saplings/Liana	ae.				Herbs/For	hoe.					
Sapings/Lian	as.				i leibs/i oi			(ODL)			
_							nplocarpus foetidu ex stricta (OBL) -		- A		
							cothoe racemosa		- S		
							beris thunbergii (f				
							us rugosa (FACW				
D = Dominant	(>50%), A = A	bundant (26-50%)	, C = Com	mon (6-25%	6), S = Spars	e (<5%))				
D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Circle where appropriate)											
Non-Tidal:	Perm.	Semi Perm.		sonally	, 	Tidal:	Subtidal	ь	rregularly	Evnosed	
Non-ridai.	Flooded	Flooded		ded	I idai:		Subtidai	"	Irregularly Exposed		
	Saturated X	Intermittently	Artifi	cially			Reg. Flooded	()	Irregularly Flooded		
	Oditirated Z	Flooded		ded 🗌			rteg. r loodee	· "	ricgularry	1 looded	
Hydrologic Inc	licators:	Silt Deposition			Water-Stair	ned	Water Marks				
, ,		·			Leaves 🛚						
		Surface Scour	ing 🗌		Drift Lines		Drainage Pat	terns 🛚			
		Buttressed Tre	es 🏻		Depth of		Depth to Soil	Saturatio	n: 🛛 s	urface	
					Inundation:						
					•						
Representativ	e Soil Charact	eristics:	⊠M	lineral			Organic				
Depth	Horizor	n Textu	re	Mat	rix Color		Red	dox Featu	res/Notes	;	
0 –8"	Α	Fine sandy lo		2.5y 3/1			dized rhizopheres				
8 – 16"+	Bg	Fine sandy lo	am	2.5y 4/2		2.5	y 5/4 – C,M,D, Wa	ater table			
Other Soil Ob	servations:	ooorly drained									
River/Stream	Data: None		Г	Perennia			Intermittent				
Depth @ Cen		Bank Height:		Channel	Width		Notes:				
Flow Rate:	Slow	Moderate	Fast	Bank	Configuration	n:	Undercut	Vertica	al	Gradual	
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav	rel		Cobbles	Boulde	ers	Artificial	
		+	1				+	-		1	
Access Route	s										
Nearest Road		Wetland Crossing	, 1	Stream Cr	neeina	-	wamp Mats Need	ha	Notes		
Church St.	Orosality	Y N N		Y 🗆	N 🛛		Wamp wats Need		140169		
Ondion St.		· EN INI		· ⊔	11 🖂		EZ N L	_			

Project: CT Interstate Wetland ID: W-10 - WI-041/ w20-160 / w20-160A Flag Series: 100-140, 200-226, 300-316 & w20-160A 300-306 Tom: Brooklyn Observers: P. London, T. Braham Weather: Sunny 80's						A					
Observers: Date:	P. London, 4/23/08	T. Braham			Brooklyn						
	-										
Dominant NV	VI Class: P	SS			Other NW	I Classes	s: PFO	(mostly of ROW	1)		
Representati	ve Vegetation (Record Species ar	nd Occurre	nce Percen	itage):						
	Acer rubrum (F. Carpinus carolii	AC) - S niana (FAC) - S			Shrubs:	_Spira _Rosa	s rugosa (FACW- aea latifolia (FAC) a multiflora (FACV aus amomum (FA	W+) - C N) - C			
Saplings/Liar	nas:				Herbs/For	bes:					
	olygonum perfo cer rubrum (FA	liatum (FAC) - C C) - C					plocarpus foetidu nmeria cylindrica				
_											
D = Dominan	t (>50%), A = A	bundant (26-50%)), C = Com	mon (6-25%	%), S = Spars	se (<5%)					
Representati	ve Hydrologic C	Characteristics (Cir	cle where a	appropriate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally ded		Tidal:	Subtidal	Irregulai	rly Exposed		
	Saturated 🗵	Intermittently Flooded	Artifi	cially ded			Reg. Flooded	Irregulai	rly Flooded		
Hydrologic In	dicators:	Silt Deposition			Water-Stail Leaves ⊠	ned	Water Marks				
		Surface Scour	ing 🛛		Drift Lines		Drainage Patt	terns 🛚			
		Buttressed Tre	ees 🗌		Depth of Inundation:		Depth to Soil	Saturation: 🛚	surface		
Representati	ve Soil Charact	eristics:	⊠ M	ineral			Organic				
Depth	Horizor				rix Color			ox Features/Not			
0 – 30"	С	Fine sandy lo	am	2.5y 3/2		Sat.	surface, water ta	ble is 14" below	ground surface		
Other Soil Ob	oservations:	Poorly drained (so	me very po	orly drained	d soils along	stream)					
River/Stream	Data: Tributar (S-10-W	y of Quinebaug Ri 'I-018)	ver [Perennia	I		Intermittent				
Depth @ Cer			2-8'	Channel			Notes:				
Flow Rate:	Slow	Moderate ⊠	Fast		k Configuration	on:	Undercut	Vertical - mostly	Gradual		
Substrate %:	Peat- Muck 10%	Silt-Mud 10%	Sand 50%	Grav 20%			Cobbles 10%	Boulders	Artificial		
Access Route	es								-		
Nearest Road	d Crossing	Wetland Crossing		Stream Cr			vamp Mats Neede	ed Notes			
Church St.		Y 🛛 N		ΥX	N \square	Y	N □	1 1			

Town of Pomfret, CT

Project: Flag Series: Observers: Date:	CT Interstat 300 – 304 P. London, 4/23/08	T. Braham				Wetland II Town: Weather: Time:	F	N-10 – WI Pomfret Sunny 80's 10:00 AM	unny 80's 0:00 AM			
		FO (-# DOM)										•
Dominant NW		FO (off ROW)				Other NW	Class	ies:				
Representativ	re Vegetation (Record Species a	nd Occurre	ence P	ercen	tage):						
	Acer rubrum (F.) Quercus palustr	AC) ris (FAC) - C				Shrubs:	_ <u>Cc</u>	rnus amo	mum (FAC	CW)		
Saplings/Lian	as:					Herbs/For	bes:					
	Acer rubrum (F	AC)					_					
=							=					
		bundant (26-50%					e (<5%	6)				
Representativ	re Hydrologic C	characteristics (Ci	rcle where	appro	priate))						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded [Tidal:	Subt	idal		Irregularly	Exposed
	Saturated X	Intermittently Flooded		icially ded [Reg.	Flooded		Irregularly	Flooded
Hydrologic Inc	dicators:	Silt Deposition	n 🗆			Water-Stail Leaves ⊠	ned	Wate	er Marks			
		Surface Scoul	ring 🗌			Drift Lines		Drair	age Patte	rns []	
		Buttressed Tre	ees 🗌			Depth of Inundation: 6" pocket	is	Dept	h to Soil S	iaturati	on: 🛛 su	rface
Representativ	re Soil Charact	eristics:	⊠ N	lineral	ı			Organ	ic			
Depth	Horizon					rix Color			Redo	x Feat	ures/Notes	
0 – 8" 8 – 16"	A ₁	Very fine sar Very fine sar			/ 3/2 /R 2/1		W	ater table				
16 – 20"	Bg	Fine sandy le			/ 4/2		2.5	5y 5/4 – C	M,D, orga	nic sta	ining	
Other Soil Ob	servations:	Poorly drained soi	ls									
River/Stream				Per				Intermitt				
Depth @ Cen		Bank Height:	F+	Ch		Width		Notes		\/ -	1	Conduct
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Grav	Configuration	on:	Cobbl		Verti Boul		Gradual Artificial
Access Route	es											
Nearest Road	Crossing	Wetland Crossing	q	Strea	am Cr	ossing		Swamp Ma	ats Neede	d	Notes	
Rte. 101	- J		Ø	Υ	_	N⊠		Y 🗆	N 🗵			

Project: Flag Series: Observers: Date:	CT Interstate 100-149,200 P. London, T 4/23/08	-237,300-306,600-6 . Braham	07_		Wetland ID Town: Weather: Time:	Por	10 - WI-039 / w2 mfret nny 80's 5 AM	0-162			
Dominant NW	/I Class: Pss	<u> </u>			Other NWI	Classes	: Pem,	PFO			
Representativ	ve Vegetation (R	ecord Species and	Occurre	nce Percen	tage):						
Trees:	Acer rubrum (FAI	C) - C			Shrubs:	_Rhan _Ceph _Vibur	us amomum (FAI nnus frangula (FAI nalanthus occider num recognitum inium corymbosu	AC) - S ntalis (O (FACW	<u>BL) - A</u> +) - C		
Saplings/Lian	as:				Herbs/Forbes:						
D = Dominan	t (>50%), A = Ab	undant (26-50%), C	x stricta (OBL) - A s effusus (FACW tlea sensibilis (FA blocarpus foetidus um salicaria (FAC	'+) - S ACW) - s (OBL)	S						
Representative Hydrologic Characteristics (Circle where appropriate)											
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally led 🛛		Γidal:	Subtidal		Irregularly	Exposed	
	Saturated 🛚	Intermittently Flooded	Artific	cially led			Reg. Flooded Irregularly Flo			Flooded	
Hydrologic In	dicators:	Silt Deposition	1		Water-Stain Leaves ⊠	ed	Water Marks [
		Surface Scouring			Drift Lines		Drainage Patte	erns 🛚			
		Buttressed Trees			Depth of Inundation: 0"-		Depth to Soil S	Saturation	on: 🛛 s	urface	
	ve Soil Character		⊠ Mi					in ROW			
Depth 0 – 14"	Horizon	Texture Very fine sandy	loom	2.5y 3/2	rix Color	Mate	Rede er table	ox Feat	ures/Note:	3	
14 – 25'+	A	Fine sandy loam		10 yR 2/1			R 3/6 – C,M,D				
Other Soil Ob	servations:V	ery poorly and poorl	y draine	d, allwial so	oils						
River/Stream	Data: W-039 bo outside F	orders Quinebaug riv	/er	Perennial	ı		ntermittent				
Depth @ Cer	iter:	Bank Height:		Channel	Width		Notes:				
Flow Rate:	Slow		ast 🗌		Configuration	1:	Undercut	Vertic		Gradual	
Substrate %:	Peat- Muck	Silt-Mud 5	Sand	Grav	rel		Cobbles	Bould	ders	Artificial	
Access Route		Vetland Crossing	ı	Stream Cr	ossing	Sw	amp Mats Neede	ed	Notes		
Rte. 101		/ N N		Y 🔲	N⊠	Υ					

Project: Flag Series: Observers: Date:	lag Series: 100-137,200-210,300-313,4 bbservers: P. London, R. Lloyd 4/21/08					Wetland I Town: Weather: Time:		Killin	0 – WI-03 ngly/Pomf ercast 50's 00 PM	ret	-163 8	164	
Dominant NW	l Class: P	SS				Other NW	/I C	lasses:		Pem, F	PFO_		
Representativ	e Vegetation (Record Species an	d Occurre	nce F	ercent	tage):							
Trees:	Acer rubrum	1 (FAC) - C				Shrubs:		Clethi Cornu Vaccii	rugosa (F a alnifolia is amomu nium coryi num recog	(FAC+) m (FAC mbosun	- C W) – (n (FAC	(W) - C	
Saplings/Lian	as:					Herbs/Fo	rbes	s:					
s	alix discolor (F							Carex Lythru Symp	stricta (C um salicari locarpus f lea sensib	ia (FAC) oetidus	(OBL)	- C	
D = Dominant	(>50%), A = A	bundant (26-50%)	, C = Com	mon	(6-25%), S = Spars	se (·	<5%)					
Representativ	e Hydrologic C	cle where	appro	priate)									
Non-Tidal:	Perm. Flooded		onall			Tic	dal:	Subtidal		Irregularly		Exposed	
Flooded 🗵 F					ficially oded				Reg. Flo	ooded		Irregularly f	Flooded
Hydrologic Indicators: Silt Deposition ⊠					Water-Stained Leaves ⊠			ı	Water N	∕larks _			
		Surface Scouri	ng 🗌			Drift Lines			Drainag	je Pattei	ns 🗵	1	
		Buttressed Tre	es 🗌			Depth of Inundation 0"-1' in are		I	Depth to	o Soil Sa	aturati	on: 🛛 su	rface
Representativ	e Soil Charact	eristics:	⊠ M	inera		☑ Organ			Organic Both in ROW				
Depth	Horizon		е		Matr	ix Color				Redox	Feat	ures/Notes	
0 – 6" 6 – 16" +	Oe A	hydric Fine sandy lo	am	 11v	R 2/1				r table 4/4 – C,M	D			
16 – 20"	Cg	Very fine sand			y 4/1				5/4 0 C, M				
Other Soil Observations: Very poorly drained, alluvial se												_	
River/Stream	☑ Pei	rennial			☐ Ir	ntermittent	t						
Depth @ Cen		Cł		Width 240			Notes:						
Flow Rate: Slow Moderate Fast				d Gravel				Undercut Cobbles 10%	t	Verti Bould	ders	Gradual Artificial	
Access Route	s												
Nearest Road Crossing Wetland Crossing Stream					am Cro	ossing		Swa	amp Mats	Needed		Notes	
Rte. 101						N 🗆		Y		N 🗆			
									'				

Town of Killingly, CT

Project: Flag Series: Observers: Date:	CT Interstate 300 - 332 P. London, F 4/21/08		Wetland ID: W-10 - WI-037 / w20-165							-		
Dominant NW	l Class: Ps	<u> </u>			Other NV	VI C	lasses:		PFO_			
Representativ Trees:	e Vegetation (R Acer rubrum	ecord Species an	d Occurre	nce Percer	ntage): Shrubs:		Lonice Spirae Clethi	is amomu era sp. (F. ea latifolia a alnifolia rugosa (F	AC-) - C a (FACW- a (FAC+)	+) - S - S		
Saplings/Liana	as:				Herbs/Fo	rbes	s:					
_N	lone						Symp	ex stricta (locarpus i inda cinna	foetidus ((OBL)		
D = Dominant	(>50%), A = Ab	undant (26-50%),	C = Com	mon (6-25%	%), S = Spar	se (<5%)					
Representativ	e Hydrologic Ch	aracteristics (Circ	le where a	appropriate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally ded		Tic	ial:	Subtidal		1	Irregularly Exposed	
	Saturated 🛚		cially ded			Reg. Flooded		ooded	1	rregularly	Flooded	
Hydrologic Inc	Hydrologic Indicators: Silt Deposition				Water-Sta		ı	Water I	Marks 🗌			
		Surface Scouring	ng 🛛		Drift Lines			Drainaç	ge Patteri	ns 🛚		
		Buttressed Tree	es 🗌		Depth of Inundation 2" pocket							
Representativ	e Soil Characte	ristics:	⊠ M	ineral			☐ Organic					
Depth	Horizon	Textur			trix Color				Redox	Featu	ires/Notes	i
0 – 6" 6 – 10" +	A Bg	Fine sandy loa		10yR 2/1 2.5y 4/1				r table 4/4 – C,N	1 D			
0-10 +	Бy	Fille Salidy loa	alli	2.5y 4/1			2.5y	4/4 – C,IV	1,0			
Other Soil Ob	servations:					_			_			
		ow to S-10-WI-014	4 [Perennia			☐ Ir	ntermitten	ıt			
Depth @ Cent Flow Rate:	ter:	Fast	Channe				Notes:		\/ - +:	-1	Conduct	
Flow Rate: Slow Moderate Fast Substrate %: Peat-Muck Silt-Mud Sand				Grav	k Configurat vel	ion:		Undercu		Vertic		Gradual Artificial
Access Route	s											
Nearest Road	Crossing \	Wetland Crossing		Stream Cr	rossing		Swa	amp Mats	Needed		Notes	
		/⊠ N I						◁				

Project: Flag Series: Observers: Date:	ries: 300 - 303			Wetland ID: Town: Weather: Time: Other NWI Ci			10 - WI-036 / w20 ingly ercast 50's 5 AM	0-166			
Dominant NW	'I Class: Ps	SS			Other NWI	Classes	s:				
Representativ	e Vegetation (I	Record Species and	d Occurre	nce Percen	tage):						
Trees:	None				Shrubs:	Sami	us amomum (FAV bucus canadensis cera sp. (FAC-) - 0	(FAC)	V) - S		
Saplings/Lian	as:				Herbs/Forb	es:					
1	lone					Pha	laris arundinacea	(FACV	V+) - A		
_						_					
						_			_		
D = Dominant	(>50%), A = A	bundant (26-50%),	C = Com	mon (6-25%	6), S = Sparse	e (<5%)					
Representative Hydrologic Characteristics (Circle where appropriate)											
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded		Γidal:	Subtidal		Irregularly Exposed		
	Saturated	Intermittently Flooded		cially ded			Reg. Flooded		Irregularly	Flooded	
Hydrologic Inc	dicators:	Silt Deposition			Water-Stain Leaves	ed	Water Marks]			
		Surface Scourin	ng 🛛		Drift Lines]	Drainage Patte	rns 🗵			
		Buttressed Tree	s 🗌		Depth of Inundation:		Depth to Soil S	Saturati	on: 🛛 sui	rface	
Representativ	e Soil Characte	eristics:	⊠ M	lineral			Organic				
Depth	Horizon	Texture	9	Mat	rix Color		Redo	x Feat	ures/Notes		
0 – 8" 8 – 18"	A	Fine sandy loa	ım	2y 3/1			rated				
0 - 10	Bg	Sandy loam		2.5y 4/2		2.5y	4/4 – C,M,D				
Other Soil Ob	servations:F	Poorly drained									
		o Quinebaug River		Perennia			ntermittent				
Depth @ Cen	ter: 2"	Bank Height: 1	-2'	Channel	Width 3'	Notes: Connects via culvert under access rd t W-037			er access rd to		
Flow Rate:	Slow 🛛	Moderate	Fast		Configuration	n:	Undercut	Verti		Gradual - X	
Substrate %:	Peat- Muck	Silt-Mud	Sand 50%	Grav 30%			Cobbles 20%	Bould	ders	Artificial	
Access Route											
Nearest Road Lake Rd.	Crossing	Wetland Crossing	1	Stream Cr	ossing	Sw	amp Mats Neede	d	Notes		
		· 23 14		_ ''							

Project: Flag Series:	CT Interstate 300 - 304				Wetland I Town:		10 – WI-035 / w20 ingly)-167				
Observers:	P. London, R	. Lloyd			Weather:		ercast 50's					
Date:	4/21/08				Time:	8:4	5 AM					
Dominant NW	l Class: PF0	O (off ROW)			Other NV	/I Classes						
Representative	e Vegetation (Re	ecord Species an	d Occurre	nce Percer	ntage):							
	cer rubrum (FAC				Shrubs:		ica pensylvanica					
	uercus alba (FA					_Vacc	inium corybosum	(FACW	') - A			
	uercus rubra (F.	AVV) - C										
Saplings/Liana	as:				Herbs/Fo	rbes:						
	cer rubrum (FA	C) - C				Can	ex stricta (OBL) -	C				
	inus strobus (FA						anthemum canad		AC-) - C			
_						-						
									_			
D = Dominant	(>50%), A = Ab	undant (26-50%)	C = Com	mon (6-25%	%), S = Spar	se (<5%)						
Representative	Representative Hydrologic Characteristics (Circle where appropriate)											
Non-Tidal:	Perm.	Semi Perm.	Seas		Tidal:	Subtidal	1	rregularly I	Exposed			
	Flooded	Flooded	Flood	ded 🗌								
	Saturated 🛚	Intermittently	Artific				Reg. Flooded	1	rregularly F	Flooded		
		Flooded	Flood	led 🗌								
Hydrologic Ind	licators:	Silt Deposition			Water-Stal		Water Marks					
		Surface Scouri	na 🗆		Drift Lines		Drainage Patte	rne M				
		Buttressed Tree	-		Depth of		-			4		
		Buttressed Fre	es 📙		Inundation		Depth to Soil S	aturatio	on: 🖂 sur	race		
						ockets						
Representative	e Soil Character	istics:	⊠ M	ineral		П	Organic					
Depth	Horizon	Textur			trix Color		•	x Feati	ires/Notes			
0 – 8"	A	Fine sandy loa		10yR 2/1	anx 00101	Satu		x i cate	1103/140103			
8 – 18"	Bg	Fine sandy loa	am	10 yR 4/2	2	10 yF	R 3/6 – C.M.D. org	ganic st	aining, wat	er table		
Other Soil Obs	servations:Po	orly drained										
River/Stream I			Г	7 Perennia			ntermittent					
Depth @ Cent		Bank Height:		Channe			Notes:					
Flow Rate:	Slow	Moderate	Fast		k Configurati	on:	Undercut	Vertic	al	Gradual		
Substrate %:	Peat-	Silt-Mud	Sand	Grav	vel		Cobbles	Bould	lers	Artificial		
	Muck							1				
Access Routes	S											
Nearest Road	Crossing V	Vetland Crossing	ı	Stream Cr	rossina	Sw	amp Mats Neede	d I	Notes			
Lake Rd.		'	3	Y 🔲	N 🛛	Y						
		•										

Project: Flag Series: Observers: Date:	CT Intersta 300 - 326 P. London 4/18/08	, R. Lloyd		Wetland ID: W-10 - W Town: Killingly Weather: Sunny, 7(Time: 4:45 PM Other NWI Classes:						-168_		
Dominant NW	'I Class: F	oss .				Other NW	l Classe	s:	PFO			
F	re Vegetation cer rubrum (F. raxinus penns Quercus rubra	AC) - C sylvanica (FA	_	Occurre	ence Percen	tage): Shrubs:	_Vac	ethra alnifo cinium cory ododendro	/bosum (FACV	V) - A	
Saplings/Lian	as:					Herbs/For	bes:					
=								rex stricta oclea sens			- C	
D = Dominant	(>50%), A = 1	Abundant (26	-50%), C	= Con	nmon (6-25%	%), S = Spars	e (<5%)					
Representative Hydrologic Characteristics (Circle where appropriate)												
Non-Tidal:	Perm. Flooded	Semi Per Flooded			sonally oded		Tidal:	Subtidal		Irregularly E		Exposed
	Saturated Intermittently Flooded Flooded Flooded Flooded							Reg. F	looded		Irregularly	Flooded
Hydrologic Inc	dicators:	Silt Depo	sition []		Water-Stair Leaves ☐	ned	Water	Marks []		
		Surface	Scouring			Drift Lines		Draina	ge Patte	rns 🗆]	
		Buttresse	ed Trees			Depth of Inundation: pockets	⊠ 2"	Depth	to Soil S	aturati	on: 🗌 su	rface
Representativ	e Soil Charac	teristics:		⊠ N	Mineral			Organic				
Depth	Horizo	n	Texture			rix Color			Redo	x Feat	ures/Notes	
0 –10" 10 – 20"	A		ndy loam		10yR 2/1			dized rhizo				
10 – 20	Bg	rine sa	ndy loam	1	2.5y 4/2		2.5)	5/4 – C.M	.D, orga	nic sta	lining	
Other Soil Observations: Poorly drained												
River/Stream	Data: None				Perennia	ı		Intermitter	nt			
Depth @ Cen		Bank Heig	ht: 2-3			Width 3"		Notes:		ade		
Flow Rate:	Slow	Moderate		ast 🔲		Configuration	n:	Undercu			cal - X	Gradual
Substrate %:	Peat- Muck	Silt-Mud	S	Sand	Grav	rel		Cobbles		Boul	ders	Artificial
Access Route	s s											
Nearest Road		Wetland Cre	ossina		Stream Cr	ossina	Su	vamp Mats	Needer	1	Notes	
Lake Rd.	2.000119	Y 🛛	N 🔲		Y 🗆	N 🗵	Y N N					

Dominant NWI Class: Pss - isolated	Project: Flag Series: Observers: Date:	CT Interstate 400 - 453 P. London, R 4/18/08	. Lloyd			Wetland I Town: Weather: Time:	Kill	10 – WI-033 / w20 ingly nny, 70's 0 PM)-169	- - -		
Shrubs: Cornus amomun (FACW) - S Yaccinium controlosum (FACW) - A Yaccinium controlosum (FACW) - A Springea latifolia (FACW) - A Springea latifolia (FACW) - C Redwin - C C Semi Perm Semi Per	Dominant NW	/I Class: Pss	- Isolated			Other NV	/I Classes	:		_		
	Representativ	ve Vegetation (Re	ecord Species and	Occurre	nce Percen	tage):						
Agrostis sp. (FAC/FAW) - A Onoclea sensibilis (FACW) - C Carex stricta (OBL) - C Symplocarpus foetidus (OBL) - S Symplocarpus	Trees: A	cer rubrum (FAC	:) - S			Shrubs:	_Vacc _Lyon _Spira	inium corybosum ia ligustrina (FAC) ea latifolia (FACV	(FACW) - A W) - A V+) - C			
Agrostis sp. (FAC/FAW) - A Onoclea sensibilis (FACW) - C Carex stricta (OBL) - C Symplocarpus foetidus (OBL) - S Symplocarpus	Saplings/Lian	as:				Herbs/Fo	rbes:					
Representative Hydrologic Characteristics (Circle where appropriate)							Agr Ond Car Syn	oclea sensibilis (Fa ex stricta (OBL) -	ACW) - C C			
Non-Tidal:	D = Dominant	t (>50%), A = Ab	undant (26-50%), C	C = Comi	mon (6-25%	%), S = Spar	se (<5%)					
Flooded Floo	Representativ	re Hydrologic Ch	aracteristics (Circle	where a	ppropriate)						
Hydrologic Indicators: Silt Deposition	Non-Tidal:						Tidal:	Subtidal	Irregulari	y Exposed		
Leaves		Saturated 🛚						Reg. Flooded	Irregulari	y Flooded		
Buttressed Trees □	Hydrologic Inc	dicators:					Water Marks					
Inundation:			Surface Scouring			Drift Lines		Drainage Patte	erns 🛛			
Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 6" A Fine sandy loam 10yR 2/1 Saturated 6 - 18" Cg Sandy loam 2.5y 4/2 2.5y 5/2 - C.M.F Note: water table at 6" Perennial ☑ Intermittent Depth ② Center: 2" Bank Height: 2-3" Channel Width 3" Notes: man-made Flow Rate: Slow ☑ Moderate ☐ Fast ☐ Bank Configuration: Undercut Vertical - X Gradual Substrate %: Peat- Muck 20% 70% 10% Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes			Buttressed Trees				: 🗆	Depth to Soil Saturation: ⊠ surface				
0 - 6" A Fine sandy loam 10yR 2/1 Saturated 6 - 18" Cg Sandy loam 2.5y 4/2 2.5y 5/2 - C.M.F Note: water table at 6"	Representativ	ve Soil Character	istics:	⊠ M	ineral			Organic				
6 - 18" Cg Sandy loam 2.5y 4/2 2.5y 5/2 - C.M.F Note: water table at 6"						rix Color			x Features/Note	s		
Other Soil Observations: Poorly drained River/Stream Data: Channel that discharges to S-10-WI-013 under Loyle road. Depth @ Center: 2" Bank Height: 2-3" Channel Width 3" Notes: man-made Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical - X Gradual Substrate %: Peat-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes				1								
Other Soil Observations: Poorly drained River/Stream Data: Channel that discharges to S-10-WI-013 under Loyle road. Perennial Intermittent Depth @ Center: 2" Bank Height: 2-3" Channel Width 3" Notes: man-made Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical - X Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	0 10	- Og	Canay Ican		2.09 1/2							
River/Stream Data: Channel that discharges to S-10-WI-013 under Loyle road. Perennial Intermittent Depth @ Center: 2" Bank Height: 2-3" Channel Width 3" Notes: man-made Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical - X Gradual Substrate %: Peat-Muck 20% 70% 10% Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes							Note	. water table at o				
River/Stream Data: Channel that discharges to S-10-WI-013 under Loyle road. Perennial Intermittent Depth @ Center: 2" Bank Height: 2-3" Channel Width 3" Notes: man-made Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical - X Gradual Substrate %: Peat-Muck 20% 70% 10% Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	011 0 1101	5										
Depth @ Center: 2" Bank Height: 2-3" Channel Width 3" Notes: man-made Flow Rate: Slow ⊠ Moderate □ Fast □ Bank Configuration: Undercut Vertical - X Gradual Substrate %: Peat- Muck Silt-Mud 20% Sand 70% Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes			•	10 W/I 0	113 undor I	ovlo road		Poroppial M Int	ormittont			
Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical - X Gradual Substrate %: Peat-Muck 20% 70% Gravel 10% Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes			-			-						
Muck 20% 70% 10% Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes							on:			Gradual		
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Substrate %:							Cobbles	Boulders	Artificial		
	Access Route	es										
	Nearest Road	Crossing V	Vetland Crossing		Stream Cr	ossing	Sw	amp Mats Neede	d Notes			
Loyle Rd. Y □ N □ Y □ N □	Loyle Rd.	Y	′⊠ N □		Υ⊠	N 🗆	Υ	N □				

Flag Series: Observers:	300 - 315 P. London, R	R. Lloyd	We We To We Tin			Kil	-10 – WI-032 / W2 llingly ınny, 70's	.0-170	
Date:	4/18/08				Time:	_12	::15 PM		_
Dominant NW	l Class:	Pem			Other NW	I Classe	s: _Pss		
Representative	e Vegetation (R	ecord Species and (Occurre	nce Percen	tage):				
Trees: Acc	er rubrum (FAC) - C			Shrubs:	_Lyor _Ros	aea tomentosa (FA nia ligustrina (FACU a multiflora (FACU cinium corymbosu	W C I) - C	
Saplings/Liana	as:				Herbs/For	bes:			
Be Sa	tula popullifolia lix sp. (FACW/C er rubrum (FAC	DBL) - S				_Sym	na latifolia (OBL) - plocarpus foetidus ex stricta (OBL) - E clea sensibilis (FA	s (OBL) - C	
D = Dominant	(>50%), A = Ab	undant (26-50%), C	= Com	mon (6-25%	6), S = Spars	e (<5%)			
Representative	e Hydrologic Ch	aracteristics (Circle	where a	appropriate)				
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally ded		Tidal:	Subtidal	Irregula	rly Exposed
	Saturated 🛚	Intermittently Flooded		ded ss road			Reg. Flooded	Irregula	rly Flooded
Hydrologic Ind	icators:	Silt Deposition]		Water-Stair Leaves	ned	Water Marks [
		Surface Scouring			Drift Lines		Drainage Patte	erns 🛚	
		Buttressed Trees			Depth of Inundation:		Saturation: 🛛	surface	
Representative	e Soil Character		⊠ Mi				Organic		
Depth	Horizon	Texture			rix Color			x Features/No	tes
0 – 10" 10 – 20"	A Bg	Fine sandy loam		10yR 2/1 2.5y 4/2			er table 5/6> C,M,D		
	-						6/2>		
		+							
Other Soil Obs	servations:Po	oorly drained, hillside	e seep						
River/Stream [Perennia			Intermittent		
Depth @ Cent Flow Rate:	er:	Bank Height: Moderate F	ast 🗍	Channel	Width Configuration	nn:	Notes: Undercut	Vertical	Gradual
Substrate %:	Peat- Muck		Sand	Grav		on:	Cobbles	Boulders	Artificial
Access Routes	S								
Nearest Road		Wetland Crossing		Stream Cr			vamp Mats Neede	d Notes	
Lake Road	١	/ ⊠ N □		Y 🗆	N 🗵	Υ	N □		

Project: Flag Series: Observers: Date:	CT Interstate 100-118, 20 P. London, F 4/18/08	0-220, 300-322				Wetland ID: W-10 - WI-031 / W20-171 Town: Killingly Weather: Sunny, 70's Time: 9:45 AM Other NWI Classes: PFO							
Dominant NW	/I Class:	Pss				Other NV	VI C	lasses	: _PFO			-	
Trees: Ac	ve Vegetation (R cer rubrum (FAC arpinus carolinia		nd Occurre	ence F	Percen	stage): Shrubs:		Spira Alnus Cornu	nium corymbosu ea tomentosa (F. rugosa (FACW- us stolonifera (FA nus fragula (FA	ACW+ +) - C ACW+)) - S		
Saplings/Lian	as:					Herbs/Fo	rbe	s:					
	nus strobus (FA	·						Onoc Care Typha	olocarpus foetidu: lea sensibilis (FA stricta (OBL) - A a latifolia (OBL) -	ACW) - A	S		
	, ,,	oundant (26-50%)			`		se (<5%)					
	, ,	naracteristics (Cir)			Laver			_	
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonall ded			Tic	dal:	Subtidal		Irregularly	Exposed	
	Saturated ⊠ Intermittently Flooded □								Reg. Flooded		Irregularly Flooded		
Hydrologic Ind	dicators:					Water-Sta Leaves]	d	Water Marks [_			
		Surface Scouri				Drift Lines			Drainage Patt				
		Buttressed Tre	es 📙			Depth of Inundation	n: []	Depth to Soil S	Saturat	tion: 🛚 s	urface	
Representativ	ve Soil Characte	ristics:	⊠ N	linera	ıl				Organic				
Depth	Horizon	Textu		0.5		rix Color		10/-4-		ox Fea	tures/Notes	i	
0 – 6" 6 – 18"+	A Cg	Very fine san Sandy loam	dy Ioam		Y 3/1 y 5/2				r table 5/4 – C,M,D				
				1									
Other Soil Ob	servations:P	oorly drained, hill	side draina	age							-		
River/Stream Depth @ Cen		Bank Height:	1'		rennia hannel	l Width 2 – 4	4'	⊠ lı	ntermittent Notes: Descrip	tion if t	for S-006 #	ne main cha	annel
Flow Rate:	Slow	Moderate 🛛	Fast	+		k Configurat			Undercut	Vert		Gradual	
Substrate %:	Peat- Muck	Silt-Mud 5%	Sand 70%		Grav 25%				Cobbles 25%	Bou	lders	Artificial	
Access Route	es												
Nearest Road	Crossing	Wetland Crossing	ı	Stre	am Cr	rossing		Swa	amp Mats Neede	ed	Notes		
Lake Road		Y⊠ N[ΥD		Ν□		Υ					

Town of Putnam, CT

Project: Flag Series: Observers:	CT Interstate 100-114, 3 PL / RL	00-305, 310-334			Wetland I Town: Weather:	D:	Pu	tnam nny 50s	W20-1	72		_ -	
Date:	4/15/08				Time:			20 pm				_	
Dominant NW	'I Class: PSS				Other NV	/I Cla	asses:		PEM /	PFQ			_
Representativ	e Vegetation (R	lecord Species ar	nd Occurre	nce Perc	entage):								Τ
Trees: A	cer rubrum (FA				Shrubs:	_	Viburr	is amomu num recog ucus Can	gnitum (FACV	V) – s		
C!:/!:					Herbs/Fo								
Saplings/Liana	Salix sp. (FAC)	W / OBL) – a			neros/Fo	-	Care: Typha Phala	x stricta (C a latifolia (aris arund: locarpus f	OBL) – svacea	c_ (FAC)			
D = Dominant	(>50%), A = Ab	oundant (26-50%)	, C = Com	mon (6-2	25%), S = Spar	se (<	5%)						
Representativ	e Hydrologic Ch	naracteristics (Cir	cle where	appropria	ate)								Τ
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded 🏻		Tida	al:	Subtida	ıl		Irregularly	Exposed	1
	Saturated 🛚	Intermittently Flooded		cially ded				Reg. Flo	ooded		Irregularly	Flooded	
Hydrologic Ind	Hydrologic Indicators: Silt Deposition ☒ floodplain							Water N	Marks ∑	1			1
		Surface Scour	ing 🗌		Drift Lines			Drainag	ge Patte	rns 🛭	₫		1
		Buttressed Tre	es 🗌		Depth of Inundation	: 🗆		Depth to	o Soil S	aturat	tion:		
Representativ	e Soil Characte	ristics:	⊠ N	lineral				Organic					
Depth	Horizon	Textu			Matrix Color					x Fea	tures/Notes	3	
0-4" 4-12"	C A	Fine sandy lo		10yr 3/2				r table, all zed rhizos					_
12-18"+	Bg	Fine sandy lo		10yr 4/2				3/6 – c, m		janic :	staining		
						+							_
Other Soil Obs	servations: _Po	orly drained and	very poorly	drained	alluvial soils								
River/Stream I	Data: Quinebau	g River	⊠ P	erennial			☐ Ir	ntermittent	t				
Depth @ Cent		Bank Height: 2-			nel Width: 100-			Notes:					
Flow Rate: Substrate %:	Slow Peat-	Moderate ⊠ Silt-Mud: 30%	Fast Sand:		ank Configurati ravel	on:		Undercut	t		ical 🛛 Iders	Gradual Artificial	_
Oubstrate 70.	Muck: 10%	Oilt-ividd. 5070	40%		0%			10%		Dou	iders	Patilicial	
Access Route	s												_
Nearest Road	Crossing	Wetland Crossing	ı	Stream	Crossing		Swa	amp Mats	Needed	d	Notes		_
		Y 🛛 N		Y 🛛	N 🗆		Y		N 🗌		1		
												-	

Project: Flag Series Observers:	ag Series: 300-306 servers: PL / RL							Wetland ID: Town: Weather: Time:				D: W10WI029 / W20-173 Putnam Sunny 50s 1:15pm				
Date:	-	4/15/08						Time:	-	1:	:15pm					
Dominant N	WI CI	ass: <u>PSS</u>						Other NW	l Class	es: _		none				
Representa	ative Ve	egetation (F	Record Speci	es and	Occurre	nce Per	rcenta	age):								
Trees: _	None							Shrubs:			nultiflora			_		
-				_							a sp. (F amomu			_		
_				_							<u> </u>	ann (1 7 ts				
-				_										_		
Saplings/Li	anas:							Herbs/For	bes:							
	Acer	ruburm (F.	AC) – c	_					_Sc	olidag	o rugos	a (FAC) – c			
_														_		
-				_										_		
_																
D = Domina	ant (>5	0%), A = A	bundant (26-	50%), (C = Com	ımon (6-	-25%)	, S = Spars	e (<5%	5)						
Representa	ative H	ydrologic C	haracteristics	(Circle	where	appropri	iate)									
Non-Tidal:		erm.	Semi Peri			sonally	Ť		Tidal:	-1:	Subtida	ı		Irregularly	Exposed	
		ooded	Flooded			ded 🗌								g,		
	Sa	turated 🛚	Intermitte	ntly	Artif	icially	+			1	Reg. Fl	ooded		Irregularly	Flooded	
	Flooded Flooded															
Hydrologic	Indicat	ors:	Silt Depos	sition [Water-Stair	ned	1	Water N	/larks [
								Leaves 🛚								
			Surface S	couring	9 🗆			Drift Lines			Drainag	e Patte	rns 🗵	1		
			Buttresse	d Trees	; 			Depth of	_		Depth to	Soil Saturation: surface			e	
								Inundation:	Ш							
Representa	ative So	oil Characte	eristics:		⊠ N	lineral				0	rganic					
Depth		Horizon	Т	exture				x Color				Redo	x Feat	ures/Notes	3	
0 – 12"+		С	Fine sar	dy loar	n	2.5y 3	3/2		Sa	turate	ed					
									\perp							
		1				1										
Other Soil	Observ	ations:F	oorly drained	d – dist	urbed so	oils										
River/Strea	River/Stream Data: tributary to Quinebaug River Perennia								☑ Intermittent					.		
Depth @ C	enter:	4"	Bank Heigh	nt: 1"		Char	nnel V	Vidth: 4'		N	lotes: O	ff ROW				
Flow Rate:		Slow 🛛	Moderate [Fast 🗌			Configuration	n:	_	Indercu		Verti	cal 🗌	Gradual 🛛	
Substrate 9	6:	Peat- Muck	Silt-Mud 20%		Sand 70%		Grave	4		С	obbles		Bould	ders	Artificial	
		WILL	2070		1 U 70	1 1 1	10 70			_						
Access Ro	utos															
			W (I I C			01	_									
Nearest Ro Access off			Wetland Cro Y			Stream Y	n Cro	ssing N 🖾		Swam	np Mats	Needed N 🔲	1	Notes Stream	was off ROW	
50000 011	f River Road Y ☑ N ☐ Y ☐							N 🗵 N 🗵				и Ц Strediti was off NOW				

Project: Flag Series: Observers: Date:	27 Interstate 300-309 PL / RL 4/15/08				Wetland I Town: Weather: Time:	Pi Si	/10-WI028 / W20 utnam unny 50s 2:30 pm)-174	 -	
Dominant NW	/I Class: _PSS	- Isolated			Other NV	/I Classes:	PFO_		-	
	re Vegetation (R	ecord Species and (Occurrer	nce Percen	tage): Shrubs:	Rhamn	amomum (FAC lus frangula (FAC am recognitum (I	C) — c		
	as: Acer rubrum (F. Salix spp. (FAC				Herbs/Fo					
		oundant (26-50%), C				se (<5%)				
Non-Tidal:	Perm.	Semi Perm.		onally)	Tidal:	Subtidal	Irregu	larly Exposed	
	Flooded Saturated	Artific				Reg. Flooded	Irregu	larly Flooded		
Hydrologic Inc	Hydrologic Indicators: Silt Deposition ☐					ined	Water Marks [
		Surface Scouring			Drift Lines		Drainage Patte	erns 🗌		
		Buttressed Trees			Depth of Inundation	: 1-2'	Depth to Soil S	Saturation: su	urface	
Representativ	re Soil Characte	ristics:	☐ Mi	ineral			Organic			
Depth	Horizon	Texture		Mat	rix Color		Redo	ox Features/N	lotes	
0 – 4"	A	Mucky fine sand loam	у	10yr2/1						
4"-25"	С	Fine sandy loam		10yr 2/1		10yr :	3/6 – c, m, d			
		y poorly drained due			ons / rock re			<u>s</u>		
River/Stream Depth @ Cent		Bank Height:	□ Pe	erennial Channel	Width	□ Ir	ntermittent Notes:			
Flow Rate:	Slow 🗌		ast 🗌		Configurati	on:	Undercut	Vertical	Gradual	
Substrate %:	Peat- Muck		and	Grav			Cobbles	Boulders	Artificial	
Access Route										
Nearest Road		Wetland Crossing Y N □		Stream Cr			amp Mats Neede		es	
Access off Riv	ver Road		Υ 🗆	N 🛛	Υ	Y N				

Project: Flag Series: Observers: Date:	CT Interstat 300-318 P. London, 4/15/08				Wetland I Town: Weather: Time:	Putnam						
Dominant NW	I Class: PO	W - Isolated				Other NW	I Clas	ses: PSS				
		Record Species a	nd Occurre	ance Pe	arcan			-				
	er rubrum (FA		na Goodine	SHOC T	Sideil	Shrubs:		accinium cor hamnus frar				
Saplings/Liana	98.					Herbs/For	hes:					
_ <u>Qı</u>	uercus palustri	s (FAC) - S ensis (FAC) - S					_Ca	arex stricta (Scirpus cype			<u>- S</u>	
D = Dominant	(>50%), A = A	bundant (26-50%), C = Con	nmon (6	3-25%	6), S = Spars	e (<5%	%)				
		Characteristics (Ci										
Non-Tidal:	Perm.	Semi Perm.		sonally		· 	Tidal:	Subtid	al		Irregularly	Exposed
	Flooded	Flooded 🛛		ded [,	
	Saturated ⊠ Intermittently Flooded □ FI lydrologic Indicators: Silt Deposition □							Reg. F	Reg. Flooded		Irregularly Flooded	
Hydrologic Inc	licators:	n 🔲			Water-Stai Leaves ⊠	ned	Water	Marks [
		Surface Scou	ring 🗌			Drift Lines		Draina	ge Patte	rns []	
		Buttressed Tr	ees 🗌			Depth of Inundation	1-2'	Depth	to Soil S	aturati	on: Surfac	e
Representativ	e Soil Charact	eristics:	⊠ N	/lineral			[Organic				
Depth	Horizor	ı Textu	ire			rix Color			Redo	x Feat	ures/Notes	i
0-12 "+	С	Sandy I	.oam		10	YR 2/1						
							\perp					
				1								
Other Soil Obs	servations:	ery Poorly Drain	ed due to p	onded	cond	litions						
River/Stream	Data: None		□F	Perennia			[Intermitter	nt			
Depth @ Cent		Bank Height:		Cha		Width		Notes:				
Flow Rate: Substrate %:	Slow Peat-	Moderate Silt-Mud	Fast Sand	+	Bank	Configuration	on:	Underco		Verti		Gradual Artificial
Gubbii ale 76.	Muck	Oil-Widd	Janu		Jidl			Copples	•	Doul	uu13	Authoral
		1	-									1
Access Route	s											
Nearest Road	Crossing	Wetland Crossin	9	Strea	ım Cr	ossing		Swamp Mats	s Neede	i	Notes	
Access off Riv			N Y			N⊠		Y 🗵 N 🗆				

Project: Flag Series: Observers: Date:	400-4	ndon, R.					Wetland Town: Weather: Time:		Putr	0WI026 / W20-17 nam ny, 50's 50 am	76		
Dominant N	IWI Class:	_PSS -	Isolated				Other NV	VI Clas	sses:	POW			
Representa	tive Veget	ation (Re	ecord Species ar	d Occurre	nce P	ercen	tage):						
Trees:	None_						Shrubs:	_s _v	Spirea /accii	nus frangula (FA a tomentosa (FAC nium corymbosur ia lygustrina (FAC	CW) - (n (FAC	CW) - C	
Saplings/Lia	anas:						Herbs/Fo	rbes:					
	Acer rubru	ım (FAC) - C					_N	lone			_	
_								_				_	
D = Domina	ant (>50%)	, A = Ab	undant (26-50%)	, C = Com	mon (6-25%	6), S = Spar	 se (<5	5%)				
Representa	tive Hydro	logic Ch	aracteristics (Circ	cle where	approp	oriate)	1						
Non-Tidal:	Perm. Floode		Semi Perm. Flooded		sonally ded [Tidal	l:	Subtidal		Irregularly	Exposed
	Saturated Intermittently Flooded wdrologic Indicators: Silt Deposition [cially ded [Reg. Flooded		Irregularly	Flooded
Hydrologic I	lydrologic Indicators: Silt Deposition						Water-Sta			Water Marks 2	3		
			Surface Scouri	ng 🗌			Drift Lines	- I		Drainage Patte	rns 🗆]	
			Buttressed Tre	es 🗌			Depth of Inundation	n: 1-2'		Depth to Soil S	aturati	on: Surfac	е
Representa	tivo Soil C	haractor	rictics:	MM	lineral				П	Organic			
Depth		Horizon	Textu		liliciai		ix Color			-	y Feat	ures/Notes	
0-16"		C1	Sandy Lo	oam		10	YR 2/1			11000	-		
16-25"		C2	Sandy Lo	oam		10	YR 3/2						
Other Sail C	heoryatio	ne: Va	ery Poorly Draine	d due to n	ondod	cond	itions						
River/Stream			ery Poorly Draine		erenni		itions		☐ Ir	ntermittent			
Depth @ Ce	enter:		Bank Height:		Ch	annel	Width			Notes:			
Flow Rate:		ow 🗌	Moderate	Fast			Configurat	ion:		Undercut	Verti		Gradual
Substrate %		eat- uck	Silt-Mud	Sand		Grav	el			Cobbles	Boul	ders	Artificial
Access Rou	ıtes												
Nearest Ro	ad Crossir	ng V	Vetland Crossing		Strea	am Cr	ossing		Swa	amp Mats Neede	d	Notes	
Access off F	River Road	Y E	/ □ N [Υ]	N⊠		ΥD	N □			

Town of Killingly, CT

Flag Series Observers:	: 40 P.	T Interstate 00-423 London, R				Wetland II Town: Weather:	Killi	0WI025 / W20-17 ngly ny, 40's	7		
Date:		14/08 ass: PSS -	Isolated			Time: Other NW) pm			
							i Ciasses.				
		getation (Ri	ecord Species and	d Occurre	nce Percer	ntage): Shrubs:	Alnus	num recognitum (I s rugosa (FACW+ us amomum (FAC) - C		
Saplings/Lia	anas:					Herbs/For	bes:				
			/ OBL) - A FAC) - C				_Carex	stricta (OBL) - C			
			undant (26-50%),				e (<5%)				
Representa	tive Hy	drologic Ch	aracteristics (Circ	le where	appropriate	e)					
Non-Tidal:		rm. 🗌 oded	Semi Perm. Flooded		sonally ded		Tidal:	Subtidal		Irregularly Exposed	
	Saturated Intermittently Flooded Intermittently Sit Deposition				cially ded			Reg. Flooded	Irregularly Flooded		Flooded
Hydrologic	ydrologic Indicators: Silt Deposition [Water-Stair	ned	Water Marks]		
			Surface Scouring	ng 🗆		Drift Lines		Drainage Patter	rns 🗆]	
			Buttressed Tree	es 🗌		Depth of Inundation:	4"	Depth to Soil Sa	aturati	on: Surfac	е
Representa	ative So	il Character	ristics:	⊠ N	lineral			Organic			
						trix Color		-	x Feati	ures/Notes	
Representa Depth 0-20"		il Character Horizon AC	ristics: Texture V. Fine Sand	9	Ma	trix Color DYR 2/1		Redox		ures/Notes izospheres	
Depth		Horizon	Texture	e y Loam	Ma 10			Redox	ed Rh		
Depth 0-20"		Horizon AC	Texture V. Fine Sand	e y Loam	Ma 10	YR 2/1		Redox	ed Rh	izospheres	
Depth 0-20" 20-25"		Horizon AC C	Texture V. Fine Sand	y Loam y Loam	Ma 10 10	OYR 2/1 OYR 4/2		Redox	ed Rh	izospheres	
Depth 0-20" 20-25"	Observa	Horizon AC C	V. Fine Sand V. Fine Sand	y Loam y Loam y Loam Drained,	Ma 10 10	OYR 2/1 OYR 4/2		Redox	ed Rh	izospheres	
Depth 0-20" 20-25" Other Soil C River/Stream Depth @ C	Observa m Data	Horizon AC C ations: Poc	Texture V. Fine Sand V. Fine Sand v. Fine Sand v. Fine Sand	y Loam y Loam Drained,	Ma 10 10 10 Floodplain erennial Channe	OYR 2/1 OYR 4/2 Soils		Redoi Oxidiz 10Y	red Rh	izospheres – C,M,D	
Depth 0-20" 20-25" Other Soil C River/Strean Depth @ Cc Flow Rate:	Observa m Data enter:	Horizon AC C	Texturd V. Fine Sand V. Fine Sand v. Fine Sand	y Loam y Loam y Loam Drained,	Ma 10 10 10 Floodplain erennial Channe	OYR 2/1 OYR 4/2 Soils I Width k Configuration		Redo) Oxidiz 10Y	ed Rh	izospheres – C,M,D	
Depth 0-20" 20-25" Other Soil O River/Strea Depth @ Cd Flow Rate: Substrate %	Observa m Data enter:	Horizon AC C C attions: Poc	Texturum V. Fine Sand V. Fine Sand Driv & Very Poorly Bank Height: Moderate	y Loam y Loam Drained,	Ma 10 10 10 Floodplain erennial Channe Ban	OYR 2/1 OYR 4/2 Soils I Width k Configuration		Redoi Oxidiz 10Y 10Y Intermittent Notes: Undercut	zed Rh /R 3/6	izospheres – C,M,D	Gradual
Depth 0-20" 20-25"	Observa m Data enter:	Horizon AC C C attions: Poc None Slow Peat- Muck	Texturum V. Fine Sand V. Fine Sand Driv & Very Poorly Bank Height: Moderate	y Loam y Loam Drained,	Ma 10 10 10 Floodplain erennial Channe Ban	DYR 2/1 DYR 4/2 Soils Width k Configuration	lr lr	Redoi Oxidiz 10Y 10Y Intermittent Notes: Undercut	vertice Bould	izospheres – C,M,D	Gradual

Project: Flag Series:	CT Interstate 100-114, 20	9 0-210, 400-404			Wetland II Town:	_	10WI024 / W20-1 lingly			
Observers:	P. London, F				Weather:		nny, 40's			
Date:	4/14/08	=			Time:	<u>2 p</u>	m			
Dominant NW	I Class: _PSS				Other NW	l Classe	s: <u>PFO</u>			
Representativ	e Vegetation (F	Record Species an	d Occurre	nce Percen	tage):					
	er rubrum (FAC uercus palustris				Shrubs:	Sar Vac Spi	nus amomum (FA mbucus Canaden ccinium corymbos rea latifolia (FAC) urnum recognitur	sis (FAC sum (FAC W+) - C	W-) - S CW) - C	
Saplings/Lian	as:				Herbs/For					
_ <u>S</u> &	alix spp. (OBL)	- A				_ Jun	rpus georgianus (cus offusus (FAC alaris arundinaces	W+) - S		
D = Dominant	(>50%), A = A	bundant (26-50%)	, C = Com	mon (6-25%	6), S = Spars	e (<5%)				
Representativ	e Hydrologic C	haracteristics (Circ	cle where a	appropriate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally		Tidal:	Subtidal		Irregularly	/ Exposed
	Saturated Intermittently Flooded Flooded Flooded Staturated Silt Deposition						Reg. Flooded		Irregularly	/ Flooded
Hydrologic Inc	dicators:	Silt Deposition			Water-Stair Leaves ⊠	ned	Water Marks			
		Surface Scouri	ng 🗌		Drift Lines		Drainage Pat	terns 🗵		
		Buttressed Tre	es 🗌		Depth of Inundation:	6"	Depth to Soil	Saturation	on: Surfa	се
Representativ	e Soil Characte	eristics:	⊠ Mi	ineral		×	Organic Both	n ROW		
Depth	Horizon	Textur	'e	Mat	rix Color		Red	lox Feat	ures/Note	S
0-6"	С	V. Fine Sand	,		5Y 3/2				coarse s	and
6-24" 24-30"	AC Cg	V. Fine Sand			YR 2/1 YR 4/2			2.5Y5/1 - DYR 3/6	- C,M,D - C,M,D	
Other Soil Ob	agrictions: 5	Poorly & Very Poor	h. Drains d	Eloodol-:-	Soile					
River/Stream		outly & very Poor		erennial	I JUIIS.		Intermittent			
Depth @ Cen		Bank Height:		Channel	Width		Notes:			
Flow Rate:	Slow	Moderate	Fast		Configuration	n:	Undercut	Vertic	cal	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav			Cobbles	Bould	ders	Artificial
Access Route	es.									
Nearest Road	Crossing	Wetland Crossing		Stream Cr	ossing	Sı	wamp Mats Need	ed	Notes	
Rt 395	-	YM N		Υ 🗌	Ν⊠		N D			

Flag Series: 400-403 Town: Killingly Observers: P. London, R. Lloyd Weather: Sunny, 40's Date: 4/14/08 Time: 12:30 pm Dominant NWI Class: PSS - Isolated Other NWI Classes: - Representative Vegetation (Record Species and Occurrence Percentage): Trees: None Shrubs: Spirea latifolia (FACW+) - D Rhamnus frangola (FAC) - A Saplings/Lianas: Herbs/Forbes: None Juncus offusus (FACW+) - C Carex spp. (OBL) - C	
Dominant NWI Class: PSS - Isolated Other NWI Classes: - Representative Vegetation (Record Species and Occurrence Percentage): Trees: None Shrubs: Spirea latifolia (FACW+) - D Rhamnus frangola (FAC) - A Saplings/Lianas: Herbs/Forbes: None Juncus offusus (FACW+) - C	
Representative Vegetation (Record Species and Occurrence Percentage): Trees: None Shrubs: Spirea latifolia (FACW+) - D Rhamnus frangola (FAC) - A Saplings/Lianas: Herbs/Forbes: None Juncus offusus (FACW+) - C	
Trees: None Shrubs: Spirea latifolia (FACW+) - D Rhamnus frangola (FAC) - A Saplings/Lianas: Herbs/Forbes: None Juncus offusus (FACW+) - C	
Saplings/Lianas: Herbs/Forbes: None Juncus offusus (FACW+) - C	
None Juncus offusus (FACW+) - C	
None Juncus offusus (FACW+) - C	
D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)	
Representative Hydrologic Characteristics (Circle where appropriate)	
Non-Tidal: Perm. Semi Perm. Seasonally Tidal: Subtidal Irregularly Expos	sed
Saturated Intermittently Artificially Reg. Flooded Irregularly Flood	ied
Hydrologic Indicators: Silt Deposition ⊠ Surface Layer Water-Stained Leaves □	
Surface Scouring Drift Lines Drainage Patterns	
Buttressed Trees Depth of Depth to Soil Saturation: Surface Inundation: 1"	
Representative Soil Characteristics: Mineral Organic	
Depth Horizon Texture Matrix Color Redox Features/Notes 0-6" C1 Sandy Loam 2.5Y 4/4 Water Table	
6-20" C2 Fine Sandy Loam 2.5Y 2/1 10YR 3/6 & 2.5Y 6/2 – C,M,D	
Other Soil Observations: Poorly Drained	
River/Stream Data: None Perennial Intermittent	
Depth @ Center: Bank Height: Channel Width Notes:	
Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Arti	adual ificial
Muck	
Access Routes	
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	
Park Road Y □ N □ Y □ N □ Y □ N □	

Town of Putnam, CT

Project: Flag Serie Observers	ag Series: 300-341 spervers: P.London, R. Lloyd tte: 4/14/08				_			Wetland Town: Weather:		Putr	ny, 40's	N20-18	80		
Date:					_			Time:	N/I C		5 am				
Dominant				-		_		Other NV	VI C	lasses:	PSS	_			
		egetation (Re	ecord Species	and Od	ccurre	nce F	ercen	shrubs:		_Cornu _Vacc _Rhan	num recog is amomui inium cory nnus frang a tomento	m (FAC mbosu iola (FA	CW) - (um (FA AC) - C	CW) - A	
Saplings/L	_ianas:							Herbs/Fo	rbe	s:					
		spp. (FACW								Onoc	stricta (O lea sensib plocarpus unda cinn	ilis (FA foetidu	ACW) - us (OB	L) - S	
D = Domir	nant (>5	50%), A = Ab	undant (26-509	%), C =	Com	mon (6-25%), S = Spar	se ((<5%)					
Represen	tative H	ydrologic Ch	aracteristics (C	ircle w	here a	appro	priate)								
Non-Tidal		erm. ooded	Semi Perm. Flooded			onall ded [Ti	dal:	Subtidal			Irregularly	Exposed
	Flooded Flo					cially ded [Reg. Flo	oded		Irregularly	Flooded
Hydrologic								Water-Sta Leaves ⊠			Water M	larks [
			Surface Scor	uring [Drift Lines			Drainage	e Patte	erns 🛭	3	
			Buttressed T	rees [Depth of Inundation	1:		Depth to	Soil S	Saturat	ion: Surfac	е
Represent	tative S	oil Character	istics:		Мм	inera	ı			П	Organic				
Dept	h	Horizon	Text	ure			Matr	ix Color				Redo	x Feat	tures/Notes	
0-8"		A1	Fine San		ım			YR 2/1			Oxidi			heres, wate	r table
8-18		A2	Fine San	dy Loa	ım		10	YR 2/1				2.5	5Y 4/2	– C,M,D	
Other Soil	Obsen	vations: _Poc	orly Drained												_
River/Stre	am Dat	a: Possibly E	xcavated Ditch	1	□ P	erenn	ial			⊠ Ir	termittent	Chan	nel co	ntained with	in ROW
Depth @ (Bank Height:			Ch		Width 2'			Notes:				
Flow Rate Substrate		Slow 🛛 Peat-	Moderate Silt-Mud	Fa: Sa	st 🗌		Bank	Configurat	ion:		Undercut			ical 🛛 ders	Gradual Artificial
Cabanate	73.	Muck	20%		70%		10				CODDIGS		Doui	2010	, a unoidi
A S															
Access Ro															
Nearest R			Vetland Crossi	_			am Cr				mp Mats		d	Notes	
Park Roa	a	Y	′⊠ N			ΥD	Ŋ	N 🗆		ΥD	Ž	N \square			

Project: Flag Series: Observers: Date:	CT Interstat 400-417 P.London, 4/14/08	R. Lloyd			Wetland IE Town: Weather: Time:	Pu Su 10:	0WI021 / W20-18 tnam nny, 40's 45 am					
		Record Species and	d Occurre	nco Porcon		Olasse	,					
	one	Necord Species and					pera spp. (FAC-) -	+) - A				
Saplings/Lianas:			Herbs/Forbes				s: <u>Polytrichum spp C</u>					
D = Dominant	(>50%), A = A	Abundant (26-50%),	C = Com	mon (6-25%	6), S = Spars	e (<5%)						
Representativ	e Hydrologic C	Characteristics (Circ	le where	appropriate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Seasonally Flooded			Tidal:	Subtidal		Irregularly	Exposed		
	Saturated X	Intermittently Flooded					Reg. Flooded	Irregularly		Flooded		
Hydrologic Indicators: Silt Deposition					Water-Stair Leaves □	ned	Water Marks					
	Surface S			rface Scouring 🛛			Drainage Patte	rns 🗵				
		Buttressed Tree	es 🗌		Depth of Inundation:		Depth to Soil Saturation: Surface					
Representativ	e Soil Charact	eristics:	⊠N	lineral	•		Organic					
Depth	Horizor	n Texture	9	Mat	rix Color		Redo	x Feat	ures/Notes			
0-12"	A	Fine Sandy		1	5Y 3/2		Oxidized Rhizospheres					
12-20"	Bg	Sandy Lo	am	2.	5Y 4/2		10YR 3/6 - C,M,D 10YR 4/6 - C,M,D					
Other Soil Ob	servations:	Poorly drained								_		
River/Stream		Death Heink	□P	erennial	107:346		ntermittent					
Depth @ Cen Flow Rate:	Slow	Bank Height: Moderate	Fast	Channel	vviatn Configuratio	in.	Notes: Undercut	Verti	ral	Gradual		
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav			Cobbles	Bould		Artificial		
Access Route Nearest Road Park Road		Wetland Crossing	1	Stream Cr	ossing	Sw Y	ramp Mats Neede	d	Notes			
		14 _	-	· ш	1 53		- ·· U		1			

Project: Flag Series: Observers: Date:	300-310	P. London, R. Lloyd				Pu Ov	W10Wl020 / W20-182 Putnam Overcast / raining, Low 50's 5:45 pm						
	WI Class: PSS_				Other NWI Classes: PFO								
Trees:	ive Vegetation (F Acer rubrum (FAC Pinus strobus (FA	ence Percen	tage): Shrubs:										
Saplings/Lia	nas:				Herbs/Fo	rbes:							
<u></u>	lone					Symp. Carex	stis spp. (FAC / F locarpus foetidus stricta (OBL) - C ea sensibilis (FAC	(OBL) - S					
		bundant (26-50%)				se (<5%)							
Non-Tidal:	Perm. Flooded	Semi Perm.				Tidal:	Subtidal	Irregula	irly Exposed				
	Saturated 🛚	Intermittently Flooded		icially ded			Reg. Flooded	Irregula	rly Flooded				
Hydrologic Ir	Hydrologic Indicators: Silt Deposition ☐				Water-Sta Leaves ⊠		Water Marks [
		Surface Scouri	ing 🗌		Drift Lines		Drainage Patte	erns 🛚					
		Buttressed Tre	es 🗌		Depth of Inundation	1:	Depth to Soil Saturation: Surface						
Representat	ive Soil Characte	eristics:	⊠ N	lineral			Organic						
Depth	Horizon	Textu	re	Mat	rix Color		Redo	ox Features/No	ites				
0-8" 8-20"	A A/B		Fine Sandy Loam Fine Sandy Loam 10			2	Water Table 10YR 3/6 – C,M,D						
6-20	A/B	rille Salidy	LOAIII	10112/	1 / 10YR 3/2	2	10	TK 3/0 - C,IVI,I					
Other Soil O	bservations: _Po	orly drained, but	soft surfac	e – need ma	ats								
River/Stream	n Data: Seep	Bank Height:	□ P	erennial	Width		ntermittent Notes:						
Flow Rate:	Slow	Moderate	Fast		Configurati	ion:	Undercut	Vertical	Gradual				
Substrate %		Silt-Mud	Sand	Grav			Cobbles	Boulders	Artificial				
Access Rout	tes												
Nearest Roa		Wetland Crossing		Stream Cr			amp Mats Neede	d Notes	;				
Killingly Ave	Rt 12	Y ⊠ N [Y 🗆	N 🛚	Y	N □						

Project: Flag Series: Observers: Date:	CT Interstate 300-341 P. London, R 4/11/08			Wetland II Town: Weather: Time:	F	W10Wl019 / W20-183 Putnam Overcast / raining, low 50's 5:20 pm						
Dominant NV	_	PFO - Equal			Other NWI Classes:							
Trees: _A	ve Vegetation (R Icer rubrum (FAC Pinus strobus (FA Quercus rubra (FA	ence Percen	stage): Shrubs:	s: <u>Vaccinium corymbosum (FACW) - A</u> <u>Alnus rugosa (FACW+) - A</u> <u>Rosa multiflora (FACU) - C</u>								
Saplings/Lia	nas: None_				Herbs/For	_Syr	mplocarpus oclea sensil lidago rugos	bilis (FACW) - S	- - -		
D = Dominar	nt (>50%), A = Ab	oundant (26-50%),	C = Com	ımon (6-25%	%), S = Spars	e (<5%	o)					
Representati	ve Hydrologic Ch	naracteristics (Circ	le where	appropriate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded		Tidal:	Subtida	al	Irregulari	y Exposed		
	Saturated 🛚	Intermittently Flooded		icially ded			Reg. F	looded	Irregulari	Irregularly Flooded		
Hydrologic Ir	ndicators:	Silt Deposition			Water-Stair	ned	Water	Marks				
Seep – fed wetland					Leaves 🛛	PFO		_				
Seep – led w	reliand	Surface Scouring	ng 🛛		Drift Lines		Draina	ge Patterns				
	Buttressed Trees				Depth of Inundation:		Depth to Soil Saturation: Surface					
Representati	ve Soil Characte	ristics:	⊠ M	1ineral			Organic					
Depth	Horizon	Textur	P	Mat	rix Color			Redox F	eatures/Note	98		
0-8"	A	Fine Sandy		10YR 2/1					Rhizosphere			
8-18"	Bg	Fine Sandy	Loam	2.	5Y 5/2			10YR	3/6 C,M,D			
		stly poorly drained			ting in acces							
Depth @ Ce	n Data: Seep, mo	Bank Height:	ЦР	erennial Channel	Width		Intermitter Notes:	nt				
Flow Rate:	Slow	Moderate	Fast	Banl	k Configuration	n:	Undercu	it V	ertical	Gradual		
Substrate %:	Peat- Muck	Silt-Mud	Sand	Grav			Cobbles	Cobbles Bou		Artificial		
Access Rout	es											
		Notland Crassina		Stroom Cr	oooina		M-4-	Mondod	Notes			
Nearest Roa	d Crossina							Swamp Mats Needed Notes Y N N				

Project: Flag Series: Observers: Date:	CT Interstate 100-110,200-221,300-304,400-407 P. London, R. Lloyd 4/11/08					Wetland Town: Weather Time:	W-10 – WI-018 / W20-184 Putnam Overcast, raining, low 50's 3:30 PM							
Dominant NV		Pss				Other N\	VI CI			PFO				
Representati	ve Vegetation (R	Record Species ar	d Occurre	nce P	ercen	tage);								
Trees: A	cer rubrum (FAC) - C inus strobus (FACV) - S					Shrubs:	_	_Alnus rugosa (FACW+) - C 						
Saplings/Liar	nas:					Herbs/Fo	rbes	:						
_N	lone						-	Onocl Symp	stricta (lea sensi locarpus effusus	bilis (FA foetidus	CW) - (OBL)			
		oundant (26-50%)					se (<	5%)						
		naracteristics (Cir)								
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded [Tid	al:	Subtida	al		Irregularly I	Exposed	
	Saturated	Intermittently Flooded	Floo	cially ded [ess roa					Reg. F	looded		Irregularly I	Flooded	
Hydrologic Ir	Hydrologic Indicators: Silt Deposition □					Water-Sta Leaves			Water	Marks [
		Surface Scouri	Surface Scouring ⊠- Along streams			Drift Lines			Draina	ge Patte	rns 🗵	1		
		Buttressed Tre	es 🗌				Depth of Inundation: none			Depth to Soil Saturation: surface				
Representati	ve Soil Characte	ristics:	⊠ M	lineral	ı				Organic					
Depth	Horizon	Textu	'e		Mat	rix Color	Т			Redo	x Feat	ures/Notes		
0 – 12" 12 – 20" +	A Bg	Fine sandy lo			10yR 2/1 10yR 4/2			Oxidized rhizospheres, saturated 10yR 3/6 – C,M,D						
L														
	bservations: <u>M</u> Data: Culver I	lostly poorly drain			ace – ennia			□lr	ntermitter	nt				
	(S-W-WI-	-006, 007, 008 &	009)								ion if f	or 6 000 "	o main alt'	
Depth @ Cer Flow Rate:	Slow	Bank Height: 2 Moderate	Fast	Cr		Width 12' Configurat	ion:		Undercu			or S-006, th	e main channel Gradual	
Substrate %:		Silt-Mud	Sand 50%		Grav 25%	rel -				Cobbles Bou 25%			Artificial	
Access Rout	es													
Nearest Roa	d Crossing	Wetland Crossing	ı	Stre	am Cr	ossing		Swa	amp Mats	Neede	d	Notes		
Killingly Ave.		Y 🛛 N 🛚		ΥÞ		N 🗆		Υ [N 🗆				

Project: Flag Series: Observers: Date:	: <u>4</u>	T Interstate 100-407 P. London, I 1/10/08		Wetland ID: Town: Weather: Time:			Put	W-10 – WI-014 / W20-185 Putnam Overcast, raining, high 50's 3:30 PM				
Dominant N	WI Cla	ass:	Pss- Isolated			Other NWI	Classes	S:			_	
Representat	tive Ve	egetation (F	Record Species an	d Occurre	nce Percen	itage):						
Trees: _/	Acer ru	ubrum (FAC	S) - D			Shrubs:	Spira	CW) - A S /-) - A				
Saplings/Lia	anas:					Herbs/Forb	es:					
None				Agrostis sp. (FAC/FACV) - C Pennstaedtia punctilobolm (NI) - C Polystrictum sp C								
D = Domina	ınt (>5	0%), A = Al	oundant (26-50%),	C = Com	mon (6-25%	6), S = Sparse	(<5%)					
	_		naracteristics (Circ									
Non-Tidal:		erm. ooded	Semi Perm. Flooded		sonally ded	-	idal:	Subtidal		Irregularly	y Exposed	
	Sa	turated 🛚	Intermittently Flooded	cially ded cess road			Reg. Flooded		Irregularly Flooded			
Hydrologic Indicators: Silt Deposition						Water-Stain Leaves	Water-Stained Water Marks Leaves					
			Surface Scouri	Surface Scouring				Drainage Patte	erns 🗌]		
			Buttressed Tree	es 🗌		Depth of Inundation:	Depth of Depth to Inundation:			ion: 🛛	surface	
Representat	tive So				lineral			Organic				
Depth 0 – 8"		Horizon A	Textur Fine sandy loa		Mat 10yR 2/1	rix Color	lor Redox Features/Notes Oxidized rhizospheres saturated					
8 – 18" +		Bg	Fine sandy loa		2.5y 1/2		10YR 4/6 – C,M,D					
Other Soil C	Observ	ations:P	oorly drained – dis	sturbed ar	ea							
River/Stream		a: Int. tribu	tary of Culver Bro Bank Height:	ok [Perennia			ntermittent Notes:				
Flow Rate:	JIIIOI.	Slow	Moderate	Fast		k Configuration	1:	Undercut	Verti	cal	Gradual	
Substrate %	b:	Peat- Muck	Silt-Mud	Sand	Grav	/el		Cobbles	Bould	ders	Artificial	
Access Rou												
Nearest Roa			Wetland Crossing	_	Stream Cr			amp Mats Neede	d	Notes		
Heritage Ro	Ubs		Y 🛛 N [Υ 🗆	N 🗵	Υ	□ N ⊠		1		

Project: Flag Series:	300 – 305			Town:		W-10 – WI-016 / W20-186 Putnam						
Observers:	P. London, F	R. Lloyd			Weather:		overcast/raining, high 50's					
Date:	4/10/08				Time:	3:	3:30 PM					
Dominant NV	/I Class: PF	0			Other NW	l Classe	s: Pss					
Representativ	e Vegetation (R	ecord Species and C)ccurre	nce Percen	tane).							
	cer rubrum (FAC		, courre	ioc i ciocii	Shrubs:	ΔIn	ıs rugosa (FACW-	L\ A				
Hees. A	cer rubrum (FAC	,) - <u>D</u>			Siliubs.		Irnum recognitum		_ A			
_							nus amomum (FA					
							icera sp. (FAC-) -					
_						Vac	cinium corymbosu	m (FACV	/) – C			
Saplings/Lian	as:				Herbs/For	bes:						
_ <u>Pi</u>	nus srobus (FAV	V) – C				No	ne					
_									_			
_									_			
									_			
D = Dominan	(>50%), A = Ab	undant (26-50%), C	= Comi	mon (6-25%	(6), S = Spars	e (<5%)	ı					
Representativ	re Hydrologic Ch	aracteristics (Circle v	where a	ppropriate)	1							
Non-Tidal:	Perm.	Semi Perm. Seas		onally		Tidal:	Subtidal	Ir	regularly	Exposed		
	Flooded	Flooded Flood		ied 🗌								
	Saturated 🛛	Intermittently	Artific	cially			Reg. Flooded	Ir	regularly	Flooded		
		Flooded	Floor	ied 🗌								
Hydrologic In	dicators:	Silt Deposition			Water-Stair	ned	Water Marks					
				Leaves 🛚								
		Surface Scouring			Drift Lines		Drainage Patt	erns 🛚				
		Buttressed Trees	Buttressed Trees			Depth of		Depth to Soil Saturation: 10"				
					Inundation:	⊠ 0"						
	e Soil Character		⊠ M				Organic					
Depth	Horizon	Texture	Matrix Color 10yR 2/1			Red	ox Featur	res/Notes				
0 – 10" 10 – 18"	A Bg	Fine sandy loam Fine sandy loam		10yR 2/1 10yR 4/2			/R 3/6 – C.M.D. sa	aturated				
10 10	29	Tino canay roam		TOYICHIZ		10	711070 0					
Other Soil Ob	servations:po	orly drained										
River/Stream	Data: None			Perennial			Intermittent					
Depth @ Cen		Bank Height:		Channel			Notes:	T				
Flow Rate: Substrate %:				Configuration	n:	Undercut	Vertical Boulders		Gradual			
Substrate %:	Peat- Muck	Silt-Mud Si	and	Grav	eı		Cobbles	Boulde	ers.	Artificial		
Access Route	s											
Nearest Road		Wetland Crossing		Stream Cr	ossing	S	wamp Mats Neede	ed	Notes			
Heritage Rd.	١	/ ⊠ N □		Υ	N 🛛	Υ	□ N ⊠					

Project: Flag Series: Observers: Date:	CT Interstate 100 – 117, P. London, 4/10/08	200 - 218			Wetland I Town: Weather: Time:	Put	10 – WI-015 / W2 tnam ercast/raining, hig 0 PM			
Dominant NW	'I Class: Pf	0			Other NW	I Classes	s: Pss_			
Representativ	e Vegetation (F	Record Species and	d Occurrer	nce Percen	tage):					
	cer rubrum (FA Querus rubra (F				Shrubs:	_Vibu	cera sp (FAC-) – (rnum recognitum s rugosa (FACW+ nnus frangula (FA	(FAW-) - C	<u>-</u> -	
Saplings/Lian	as:				Herbs/For	bes:				
						_Solid	s effusus (FACW ago rugosa (FAC clea sensibilis (FA x stricta (OBL) –) – C (CW) - C		
D = Dominant	(>50%), A = A	bundant (26-50%),	C = Com	mon (6-25%	%), S = Spars	se (<5%)				
Representativ	e Hydrologic C	haracteristics (Circ	e where a	ppropriate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally led		Tidal:	Subtidal	Irre	egularly	Exposed
	Saturated 🛚	Intermittently Flooded 🛛	Artific	cially led			Reg. Flooded	Irre	egularly	Flooded
Hydrologic Ind	dicators:	Silt Deposition			Water-Stai Leaves ☐	ned	Water Marks [
		Surface Scouring	ıg 🗌		Drift Lines		Drainage Patte	erns 🛚		
		Buttressed Tree	s 🗌		Depth of Inundation	: 🛛 2"	Depth to Soil S	Saturation:	⊠ sui	rface
Representativ	e Soil Characte	eristics:	⊠ Mi	ineral			Organic			
Depth	Horizon	Texture)		rix Color			ox Feature		
0 – 10" 10 – 14"	A BW	Mucky fsL Sandy loam		10yR 2/1 10yR 5/3			ized rhizospheres R 3/6 – C.M.D.	s, saturate water table		
14 – 20" +	Bg	Sandy loam		10yR 5/3		,	R 3/6, C.M.D.	water table	=	
Other Soil Ob	servations:p	oorly drained, som	ewhat poo	orly drained	- hydric					
River/Stream	Data: excavate	d channel in ROW		Perennia	I	⊠ I	ntermittent			
Depth @ Cen		Bank Height: 1 -		Channel			Notes: defined ROW			
Flow Rate:	Slow 🛛	Moderate	Fast		Configuration	on:	Undercut	Vertical		Gradual - X
Substrate %:	Peat- Muck 10%	Silt-Mud 30%	Sand 60%	Grav	rel		Cobbles	Boulder	S	Artificial
Access Route										
Nearest Road Tourtellotte R		Wetland Crossing	,	Stream Cr	ossing		amp Mats Neede	ed N	lotes	
rourtellotte K	u.	Y 🛛 N	J	. М	IN L	Ť	□ N □			

Project:	(CT Interstate					Wetland	ID:	W-10 - W	I-014 / W2	20-188		
Flag Serie	es:	100-122, 200	0-224, 300-3	05, 400-	406		Town:		Putnam				
Observers	s:	P. London, F	R. Lloyd				Weather	_	Overcast,	raining, hi	igh 50'	s	
Date:	-	4/10/08					Time:	-	10:15 AM				
Dominant	NWI C	lass:	PFO				Other NV	VI Clas	ses: _Pss				_
Represen	tative V	egetation (R	ecord Specie	es and C	Occurre	nce Per	centage):						
Trees:	Acer	rubrum (FAC) - D	_			Shrubs:	_R	hamnus fra	agula (FA	C) - C		
	Carpi	nus carolinia	na (FAU) -D	_				_V	iburnum re	cognitum	(FACV	V-) - A	
	Prunu	ıs serotina (F	ACU) - C					_ <u>L</u> \	yonia ligust	trina (FAC	W) - C	;	
	Betula	a populifolia ((FAC) - S						accinium c			CW) - A	
				_				Α	lnus rugos	a (FACW-	+) - C		
Saplings/L	Lianas:						Herbs/Fo	rbes:					
	None			_					arex stricta				
				_					noclea ser			S	
				_					ypha latifol				
				_					olidago rug			\ 0	
				_					ymplocarpi	us roeudu:	S (OBL	.) - C	
D = Domir	nant (>	50%), A = Ab	undant (26-5	50%), C	= Comi	mon (6-	25%), S = Spar	se (<5	%)				
Represen	tative H	lydrologic Ch	aracteristics	(Circle v	where a	appropri	ate)						
Non-Tidal		erm. 🗌	Semi Pern			onally		Tidal:	Subt	tidal		Irregularly	Exposed
	F	looded	Flooded		Floor	ded 🗌							
	Saturated Intermittently Flooded					cially_			Reg	Flooded		Irregularly	Flooded
						ded 🔲							
					w/del	ss road bris							
Hydrologic							Water-Sta	ined	Wate	er Marks [
							Leaves 🗵	1					
	Surface Scouring						Drift Lines		Drai	nage Patt	erns [◁	
			Buttressed	d Trees			Depth of Inundation	n: 🔲	Dept	th to Soil \$	Satura	tion:	
			. ,.						M 0				
· ·		Soil Characte			☐ M				☑ Orgar				
Dept 0 -30" +	:h	Horizon Oa	Sapric	exture		10yR	Matrix Color	_		Red	ox Fea	tures/Notes	1
0-30 1		Oa	Japric			TOYIC	-/1	_					
Other Soil	l Obser	vations:V	ery poorly dra	ained									
		ta: Int. tribut				Perer			Intermit				
Depth @ 0			Bank Heigh		aet 🗆		nel Width 3 – ank Configurat		Notes Unde		Verl	tical	Gradual -X
Flow Rate: Slow ☑ Moderate ☐ Fast ☐ Substrate %: Peat- Silt-Mud Sand					ank Conligurat Fravel	IUII.	Cobb		_	Iders	Artificial		
Substrate %: Peat-Muck 20% Silt-Mud 75%					%		CODD		Bou	iueis	Artificial		
Access Ro													
Access Ro Nearest R			Wetland Cros	ssing		Strean Y 🔯	Crossing		Swamp M	ats Neede		Notes	

Project: Flag Series: Observers: Date:	CT Interstate 300-305 P. London, 4/10/08		т	o		Wetland I wn: Weather: Time:	D:	Put	0 – WI-01 nam ercast, high		0-189		
Dominant N\		Pem (mowed	ield)			Other NW	/I CI						
Representati	ve Vegetation (F	Record Species	and Occurre	nce Pe	ercenta	ge):							
Trees: _A	cer rubrum (FAC	C) - A	Shrubs:				-	Viburi	num recog	ınitum (FACV	V-) - A	
			_				-						
Saplings/Lia	nas: Herbs/Fo						rbes	s:					
	lone						-		ris arundir grasses -		FACW	/+) - D	
_			_						lea sensib		CW) -	С	
_							-						
D = Dominar	nt (>50%), A = A	oundant (26-509	– %), C = Com	ımon (6	i-25%),	S = Spars	se (•	<5%)					
Representati	ve Hydrologic C	naracteristics (C	ircle where	appropi	riate)								
Non-Tidal: P	erm.	Semi Perm.	Sea	sonally		Tidal:			Subtida	ı		Irregularly	Exposed
	Flooded	Flooded	Floo	ded []								
Saturated	Floo	icially ded ess road		Reg.			Flo	ooded		Irregularly	Flooded		
Hydrologic Ir	ndicators:	n Water			_eaves 🗌			Water N	Marks [
		Surface Scor	ıring 🗌 Drif	t		Lines			Drainag	e Patte	rns 🛭	₫	
		Buttressed T	rees 🗌			Depth of nundation	: 🛛	1"	Depth to	Soil S	aturat	ion: 🛛 s	urface
Representati	ve Soil Characte	ristics:	⊠ M	lineral					Organic				
Depth H	lorizon	Text			Matrix	Color						tures/Notes	
0 – 8" 8 - 14"	A Bw	Fine sandy Fine sandy		10yR 2.5y					ated, oxid 3/6 – C,N		zophe	res	
14 – 20"+	Cg	Loamy fine		2.5y					4/6 – C,N				
Other Soil O	bservations:S	omewhat poorly	drained - h	ydric									
Depth @ Ce		Bank Height:	[nnel W				ntermittent Notes:				
Flow Rate: Slow Noderate Fas t						Configurati	on:		Undercut		Vert		Gradual
Substrate %: Peat- Silt-Mud Sand Muck					avel				Cobbles		Boul	lders Artifici	al
Access Rout	es			-				•					
Nearest Roa		Wetland Crossi	na	Stroo	m Cros	eina		Qu.	amp Mats	Neede	d	Notes	1
Rte. 21	u Orosaliy	Y N	lg □ Y	Stream		sing X			amp iviais	Neede	u	INOIGS	
		 ··			•			1 *				1	

Project: Flag Series: Observers:	200-324 P. London, I				Wetland I Town: Weather:	P	utnar verc	ast, raining			
Date:	4/9/08				Time:		:20 P				_
Dominant NV	/I Class:	Pss			Other NV	/I Class	es: _	Pem/PFO			
Representativ	ve Vegetation (F	Record Species and	Occurre	nce Percen	tage):						
Trees: Ac	cer rubrum (FAC	C)			Shrubs:	_Lyc	nia li odode	um corymb igustrina (F endron vis amomum (COSUM (OBL)	
Saplings/Lian	as:				Herbs/Fo	rbes:					
=						_Tyr	ha la oclea	tricita (OBL atifolia (OB a sensibilis carpus foel	L) (FACW)		• • •
D = Dominant	t (>50%), A = Al	oundant (26-50%), C	= Com	mon (6-25%	(,), S = Spar	- se (<5%)				•
Representativ	re Hydrologic Cl	naracteristics (Circle	where a	appropriate)							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		ionally ded 🛛		Tidal:	;	Subtidal		Irregula	irly Exposed
	Saturated ⊠ Intermittently Flooded ⊠ Flooded Indicators: Silt Deposition □						1	Reg. Flood	led	Irregula	rly Flooded
					Water-Stal Leaves ⊠	ined	١	Water Mar	ks 🗌		
Surface Scouring					Drift Lines		1	Drainage F	atterns		
			Depth of Inundation	: 🛛 2-6		Depth to S	oil Satur	ration: 🛚	surface		
Representativ	ve Soil Characte	ristics:	⊠M	ineral		×	0	rganic - b	oth in R	OW	
Depth	Horizon	Texture			ix Color			F	Redox Fe	eatures/No	ites
0 – 8" 8 – 18" +	A Cg	Mucky fsl Loamy sand		10yr 2/1 10yR 4/2		2.5	y 5/4	- C,M,D			
Other Soil Ob	servations:V	ery poorly drained									
	Data: Trib. of (S-10-V		D	Perennial				ermittent			
Depth @ Cen	Channel					See W-0	11/S-004	, could not be descriptions			
Flow Rate: Substrate %:				Bank Grav	Configurati el	on:		obbles		oulders	Gradual Artificial
Access Route	es										
Nearest Road		Wetland Crossing		Stream Cr	-			p Mats Ne		Notes	·
Aldrich Road		Y 🛮 N 🗆		Υ⊠	N 🗌	Y		N			

Project: Flag Series: Observers: Date:	P. London, 4/9/08	0-218, 300-324 R. Lloyd			Wetland I Town: Weather: Time:	Ov 11:	10 – WI-011 / W tnam ercast, raining, I :30 AM			
Dominant NW		PFO			Other NW	I Classes	s: _Pss, Pem			
	e Vegetation (FAC	Record Species ar	d Occurre	nce Percen	ntage): Shrubs:	_Lyon _Vacc _Rhar	dodendron visco ia ligustrina (FA cinium corymbos mnus frangula (F s rugosa (FACW	CW) - C um (FAG AC) - A	CW) - A	
Saplings/Liana	as:				Herbs/For	Typh	a latifolia (OBL) x stricita (OBL)			
		bundant (26-50%)		,		- se (<5%)				
		haracteristics (Cir			:)		Laver			
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded		Tidal:	Subtidal		Irregularly	Exposed
	Saturated	Intermittently Flooded		cially ded			Reg. Flooded	Ė	Irregularly	Flooded
Hydrologic Inc	licators:	Silt Deposition			Water-Stai Leaves ⊠	ned	Water Marks			
		Surface Scouri	ng 🗌		Drift Lines		Drainage Pat	tterns [₫	
		Buttressed Tre	es 🗌		Depth of Inundation	: 🗆	Depth to Soil	Saturat	ion: 🛛 s	surface
Representativ	e Soil Characte	eristics:	□ M	lineral			Organic - bot	h in RO	W	
Depth	Horizon		e e		trix Color		Red	dox Fea	tures/Note:	S
0 – 30"+	Oa	Sapric		10yr 2/1						
Other Soil Ob	servations:							_		
	(S-10-V			Perennia			Intermittent			
Depth @ Cent Flow Rate:	ter: 6"-1"	Bank Height: Moderate	l' – 2' Fast □		l Width 6 – 8 k Configuration		Notes: wider Undercut		oad for cul	Verts
Substrate %:	Peat- Muck 60%	Silt-Mud 30%	Sand 10%	Grav		л.	Cobbles		Iders	Artificial
Access Route										
Nearest Road		Wetland Crossing		Stream Cr			amp Mats Need		Notes	
Aldrich Road		Y 🛛 N [J	Y 🛛	N 🗆	Υ	⊠ N [1	

WETLAND SUMMARY FIELD DATA FORM

Project: Flag Series: Observers: Date:	CT Intersta 400 - 413 P. London 4/9/08		Lloyd				Wetland Town: Weather: Time:		Put	10 – WI-0 nam ercast, rai 30 AM				
Dominant NW	'I Class:	Р	FO - Isolated				Other NV	VI Cla	asses	: _POW				
Representativ	-			nd Occurre	nce	Percen								
	er rubrum (FA uercus rubra (Shrubs:	-	Rham Alnus	nium cor nnus fran rugosa (us rugosa	gula (FA FACW+	(C) - C) - C		
Saplings/Liana	as:						Herbs/Fo	rbes	:					
_No	one							-	None					
=								-						
D = Dominant	(>50%), A =	Abur	ndant (26-50%), C = Com	mon	(6-25%	%), S = Spar	se (<	(5%)					
Representativ	e Hydrologic	Char	racteristics (Ci	cle where	appr	opriate)							
Non-Tidal: Perm. ☐ Semi Perm. Flooded ☐ Saturated ☐ Intermittently				Sea: Floo				Tida	al:	Subtida	al		Irregularly I	Exposed
Saturated ⊠ Intermittently Flooded □ Hydrologic Indicators: Silt Deposition				Artifi Floo						Reg. F	looded		Irregularly I	Flooded
Hydrologic Inc				Water-Sta Leaves ⊠			Water	Marks [⊴					
		Ť	Surface Scoul	ing 🗌			Drift Lines			Draina	ge Patte	erns []	
			Buttressed Tre	ees 🗌			Depth of Inundation	n: 🛛	1-2'	Depth	to Soil S	Saturati	ion: 🛛 sı	ırface
Representativ	e Soil Charac	teris	tics:	□ N	liner	al			\boxtimes	Organic	histic	epiped	lon	
Depth	Horizo	n	Textu	ire		Mat	rix Color				Redo	x Feat	ures/Notes	
0 – 4" 4 – 10"	Oe A		Hemic Fine sandy lo	nom.		yR 2/1								
10 – 20" +	Bg		Fine sandy lo			yR 4/2				5/4 – C,N	.D			
			,			,			- ,		,			
Other Soil Observations: Very poorly drained														
River/Stream			erennia				ntermitter	nt						
Depth @ Center: 6" Bank Height: 1' Flow Rate: Slow Moderate Fast					- C		Width 4' k Configurat	ion:		Notes: Undercu	ıt	Verti	cal	Gradual
			Grav	-	ion:		Cobbles		Boul		Artificial			
A D				1		-						-		
Access Route														
Nearest Road Aldrich Road	Crossing	Y	etland Crossin	,	Str	eam Cr	rossing N		Swa	amp Mats	Neede	d	Notes	
Vidilcii Vogo		1			ı		IN 🖂		1 1	△	IN L			

Project: Flag Series: Observers: Date:	CT Intersta 100-114,2 P. London 4/9/08	00-208,300-3	15				Wetland I Town: Weather: Time:	D:	Put	10 – WI-00 nam ercast, rair 0 AM				
Dominant NW	/I Class:	PFO					Other NW	/I Cla	asses	: _Pss				_
Representativ	e Vegetation	(Record Spec	ies and	Occurre	ence	Percent	tage):							
_Pi	er rubrum (F.A. nus strobus (F. etula populifoli	ACV) - C					Shrubs:		Vacci Alnus	nnus frang inium cory rugosa (F odendron	mbosur ACW+	n (FA0) - C	CW) - A	
Saplings/Lian	as:						Herbs/Fo	rbes:						
=								_!	Care	unda cinna x stricita (C olocarpus t	DBL) - A	١		
D = Dominant	(>50%), A = 1	Abundant (26	-50%), C	= Com	nmon	(6-25%), S = Spars	- se (<	5%)					
Representativ	e Hydrologic	Characteristic	s (Circle	where	appro	opriate)	1							
Non-Tidal:	Perm. Flooded	lly		Tida	al:	Subtida	ıl		Irregularly	Exposed				
Saturated ☑ Intermittently Flooded ☐ Flooded Hydrologic Indicators: Silt Deposition ☐										Reg. FI	ooded		Irregularly	Flooded
Hydrologic Inc		Water-Stai Leaves ⊠	ned		Water N	∕larks []							
		Surface	Scouring				Drift Lines			Drainag	je Patte	rns 🗵	1	
Surface Scouring Buttressed Trees							Depth of Inundation	: 🛛	2-6"	Depth t	o Soil S	aturati	ion: 🛛 s	urface
Representativ	e Soil Charac	teristics:		⊠ N	Minera	al			\boxtimes	Organic	- both	in RO\	v	
Depth	Horizo	n	Texture			Matr	ix Color				Redo	x Feat	ures/Notes	
0 – 12"	Α	Mucky	sl			yr 2/1								
0 – 12" A Mucky fsl 12 – 20"+ Cg Loamy fine sand						yR 6/2			10yR	4/6 – C,N	1,D			
Other Soil Ob	servations:	Very poorly d	rained									_		
River/Stream Depth @ Cen	erennial hannel	Width 4'		⊠ li	ntermitten Notes:	t								
						Configuration	on:		Undercu	t		cal - X	Gradual	
Substrate %:	Peat- Muck 30%	Silt-Mud		Sand 70%		Grav 10%	el			Cobbles		Boul	ders	Artificial
Access Route	s				_				_					
Nearest Road	Crossing	Wetland Cro				eam Cro				amp Mats		d	Notes	
Fox Road		Υ⊠	Ν□		Y	\boxtimes	N \square		Y	\boxtimes	N \square			·

Project: Flag Series:	CT Intersta 100-118, 2				Wetland ID Town:		<u>10 – WI-008 / W2</u> nam	20-194		
Observers:	P. London				Weather:		nny, 50's			
Date:	4/8/08				Time:	1:3	0 PM			
Dominant NV	VI Class:	PFO			Other NWI	Classes	: Pem, Pss			
										-
	-	(Record Species ar	na Occurre	ence Percer						
Trees: A	cer rubrum (FA	(C) - D			Shrubs:		rugosa (FACW-			
							a ligustrina (FAC ra alnifolia (FAC			
-							odendron viscos			
_						Vacci	inium corymbosu	ım (FA	CW) - A	
Saplings/Liar					Herbs/Forb	2001				
					TIETDS/T OIL					
_N	one						a latifolia (OBL) - x stricita (OBL) -			
_						_Cale	x stricita (ODL) -	^		
_										
D = Dominan	t (>50%), A = /	Abundant (26-50%)), C = Com	mon (6-25%	%), S = Sparse	e (<5%)				
Representati	ve Hydrologic (Characteristics (Cir	cle where	appropriate)					
Non-Tidal:	Perm.	Semi Perm.	Seas	sonally	1	Tidal:	Subtidal		Irregularly	Exposed
	Flooded	Flooded	Floo	ded 🔲						
	Saturated 🗵	Intermittently		icially			Reg. Flooded		Irregularly	Flooded
		Flooded		ded 🛛 ess road						
			w/de							
Hydrologic In	dicators:	Silt Deposition			Water-Stain	ed	Water Marks			
					Leaves 🛚					
		Surface Scour	ing 🛛		Drift Lines		Drainage Patt	erns [2	₫	
		Buttressed Tre	es 🗌		Depth of	F 2	Depth to Soil	Saturat	tion: 🛛 s	urface
					Inundation:	⊠) – 2'				
Representati	ve Soil Charac	teristics:	⊠N	lineral		\boxtimes	Organic			
Depth	Horizo	n Textu	re	Mat	rix Color		Red	ox Fea	tures/Notes	
0 – 18" +	С	Fine sandy lo	am	10yR 2/1		10yR	3/6 - C,M,D			
Other Soil Ob	eon/ations:	W-008 has poorly	drained an	d vory poor	ly drained soil	c				
		vv-ood rias poorty								
River/Stream Depth @ Cer	Data: None	Bank Height:		Perennia Channe			ntermittent Notes: Only de	ofinad	flow is acre	200000
Deptil @ Cel	itei.	Dank Height.		Chamile	Width		road.	eiiiieu	now is acid	uss access
Flow Rate: Slow Moderate Fast				k Configuration	n:	Undercut	Vert		Gradual	
Substrate %: Peat- Silt-Mud Sand Muck				Grav	/el		Cobbles	Bou	lders	Artificial
	WILLOW		1					1		
Access Route	es									
Nearest Road	d Crossing	Wetland Crossing		Stream Cr			amp Mats Neede		Notes	
		Y 🛛 N	1	ΥΠ	N⊠	Y	⊠ IN □	1	1	

Project: Flag Series: Observers: Date:	CT Intersta 100-118, 2 P. London 4/8/08	00-211				Wetland I Town: Weather: Time:	D:	W-10 – WI Putnam Sunny, 50' 12:00 PM		0-195		
Dominant NW	/I Class:	PFO				Other NV	/I Cla	isses: <u>Pss</u>	POW			
Representativ	e Vegetation	Record Species ar	nd Occurre	ence P	ercen	tage):						
Be Pi	nus strobus (F	ensis (FAC) - C				Shrubs:	__\	Rhododendr Lyonia ligust Vaccinium o Viburnum re Alnus rugosa	rina (FAC orymbosu cognitum	W) - C m (FA (FACV	CW) - A	
Saplings/Lian	as:					Herbs/Fo	rbes:					
		lia (FAC) - S					 	Carex stricita Carex sp. (C Phragmites a Typha latifoli Symplocarpu	BL) - C australis (a (OBL) -	FACW S		
D = Dominant	t (>50%), A = 1	Abundant (26-50%)), C = Con	nmon ((6-25%	6), S = Spars	se (<	5%)				
Representativ	e Hydrologic	Characteristics (Cir	cle where	appro	priate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded ⊠	sonall			Tida	al: Subt	idal		Irregularly	Exposed	
				Reg.	Flooded		Irregularly	Flooded				
Hydrologic Ind	dicators:	Silt Deposition		Water-Stai Leaves ⊠	ned	Wate	er Marks					
		Surface Scour	ing 🗌			Drift Lines		Drain	nage Patt	erns 🏻	⊴	
			Depth of Inundation	: 🛭 6-10		h to Soil :	Saturat	tion: 🛛 s	surface			
Representativ	e Soil Charac	teristics:		/lineral	ı			☑ Organ	ic			
Depth	Horizo	n Textu	re	T	Mat	rix Color			Red	ox Fea	tures/Notes	;
0 – 20"	Oa	Sapric		10y	R 2/1		-	-				
Other Soil Ob	servations:	Very poorly draine	d									
River/Stream	Data: None			Per	rennia	ı		☐ Intermitt	ent			
Depth @ Cen		Bank Height:				Width		Notes				
						c Configurati	on:	Under		Vert		Gradual
Substrate %: Peat- Muck Silt-Mud Sand Grav						rel		Cobbl	es	Bou	lders	Artificial
Access Route												
Nearest Road	l Crossing	Wetland Crossing				ossing		Swamp Ma			Notes	
Fox Road		Y 🛛 N	Ш	Υ		N 🗵		Υ⊠	N \square			

Flag Series: 300-315	Project:	CT Interstate					Wetland II	D:		0Wi006 / 1	W20-196	<u> </u>			
Date: 48/08 Time: 10:00am	Flag Series:	300-315					Town:		Pι	utnam					
Dominant NWI Class: _PSS.	Observers:	PL / RL					Weather:		Sı						
Representative Vegetation (Record Species and Occurrence Percentage): Trees: none Shrubs: Vaccinium corymbosum (FACW) – a Viburum recognitum (FACW) – a Rubus alleghenas (FACW) – c Spirea tomentosa	Date:	4/8/08					Time:			10:00am					
Trees: none Shrubs: Vaccinium corymbosum (FACW) – a Viburum recognitum (FACW) – a Robus alleghenas (FACW) – c Spirea tomentosa (FACW) – s Spir	Dominant NW	l Class: PSS					Other NW	I Cla	asses:						_
Trees: none Shrubs: Vaccinium corymbosum (FACW) – a Viburum recognitum (FACW) – a Robus alleghenas (FACW) – c Spirea tomentosa (FACW) – s Spir	Renresentativ	e Vegetation (Re	acord Species and	Occurre	nce Per	rcents	ue).								_
Carex stricta (OBL) = 0			ecord Species and	Occurre	nce rei	rcenta		V	/iburnu Rubus	ım recogr s allegher	nitum (FA nas (FAC	ACW-) :W-) –	<u>– а</u> с		
	Saplings/Liana	as:					Herbs/For	bes	:						
									Carav	atriata (C	NDI) o				
Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Flooded Flooded	1011	<u> </u>											V) – c		
Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Flooded Flooded	_							-					_		
Non-Tidal:	D = Dominant	(>50%), A = Ab	undant (26-50%),	C = Com	mon (6-	-25%)	, S = Spars	ie (<	5%)						
Flooded Floo	Representativ	e Hydrologic Ch	aracteristics (Circl	e where a	appropr	riate)									
Hydrologic Indicators: Silt Deposition	Non-Tidal:					ı		Tida	al:	Subtida	I	'	rregularly	Exposed	
Leaves		Flooded Flo				ı				Reg. Fl	ooded	ı	rregularly	Flooded	
Buttressed Trees								ned		Water N	⁄larks ⊠				
Representative Soil Characteristics: Mineral Organic Depth Horizon Texture Matrix Color Redox Features/Notes	-						Drift Lines			Drainag	e Patter	ns 🗌			1
Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 8" A Fine sandy loam 10yr 2/1 Oxidized rhizospheres 8-16" B Fine sandy loam 10yr 5/2 10 yr 3/6 c, m, d Other Soil Observations: Poorly drained River/Stream Data: none Perennial Intermittent	-			s 🗌				0"		Depth to	o Soil Sa	aturatio	n: surfac	е	
0 - 8" A Fine sandy loam 10yr 2/1 Oxidized rhizospheres 8-16" B Fine sandy loam 10yr 5/2 10 yr 3/6 c, m, d Other Soil Observations: _Poorty drained River/Stream Data: none Perennial Intermittent	Representativ	e Soil Character	istics:	⊠M	lineral					Organic					_
8-16" B Fine sandy loam 10yr 5/2 10 yr 3/6 c, m, d Other Soil Observations: Poorty drained River/Stream Data: none Perennial Intermittent	Depth	Horizon	Texture			Matri	x Color				Redox	Featu	res/Notes		_
Other Soil Observations: Poorly drained River/Stream Data: none Perennial Intermittent															
River/Stream Data: none Perennial Intermittent	8-16"	В	Fine sandy loa	m	10yr 5	5/2			10 yr	3/6 c, m,	d				
River/Stream Data: none Perennial Intermittent															
	Other Soil Obs	servations: _Poc	orly drained												
	River/Stream	Data: none		□ P	erennia	al			☐ In	ntermitten	t				
			Bank Height:							Notes:					
								on:			t			Gradual	
Substrate %: Peat- Muck Sand Gravel Cobbles Boulders Artificia	Substrate %: Peat- Silt-Mud Sand Muck			Sand	(Grave				Cobbles		Bould	ers	Artificial	
Access Routes	Access Route	s													_
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Nearest Road	Crossing V	Vetland Crossing		Stream	m Cro	ssing		Swa	mp Mats	Needed		Notes		_
Providence Pike (RT 44) Y ☒ N ☐ Y ☐ N ☒ Y ☒ N ☐	Providence Pi	ke (RT 44) Y	′⊠ N 🗆		Υ		N⊠		ΥD	⊴	N \square				

Project: Flag Series: Observers:	CT Interstate 100-139; 200 PL / RL	-203; 300-315			Wetland II Town: Weather:	Pι	0Wi005 / W20-19 utnam unny, high 40s	97	_
Date:	4/4/08			-	Time:	11	:00 am		_
Dominant NW	/I Class: _PSS				Other NW	I Classes:	PFO / PEM		
Representativ	e Vegetation (R	ecord Species an	d Occurrer	nce Percen	tage):				
_Ca	cer rubrum (FAC arpinus carolinia ula alleghansis (us rubra (FAC) -	na (FAC) – A (FAC) C			Shrubs:				
Saplings/Lian	as:				Herbs/For	bes:			
D = Dominant	t (>50%), A = Ab	oundant (26-50%)	, C = Comr	mon (6-25%	%), S = Spars	e (<5%)			
Representativ	ve Hydrologic Ch	naracteristics (Circ	cle where a	ppropriate)				
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally led		Tidal:	Subtidal	Irregula	arly Exposed
<u> </u>	Saturated	Intermittently Flooded	Artific	cially led			Reg. Flooded	Irregula	arly Flooded
Hydrologic Inc	dicators:	Silt Deposition			Water-Stair	ned	Water Marks [
		Surface Scouri	ng 🗌		Drift Lines		Drainage Patte	erns 🗌	
		Buttressed Tre	es 🗌		Depth of Inundation:		Depth to Soil S	Saturation:	
Representativ	ve Soil Characte	ristics:	☐ Mi	ineral			Organic		
Depth	Horizon	Textur	·e	Mat	rix Color		Redo	ox Features/No	otes
-									
		+							
Other Soil Ob	servations:								
River/Stream	Data:		□ Pe	erennial		☐ Ir	termittent		
Depth @ Cen		Bank Height:	F C	Channel			Notes:	1/4:	Cond.
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand	Grav	c Configuration	on:	Undercut Cobbles	Vertical Boulders	Gradual Artificial
Access Route	es								
Nearest Road		Wetland Crossing		Stream Cr			mp Mats Neede	d Notes	3
L	,	Y 🗌 N [Υ 🗆	N 🗆	Υ [□ N □		

Project: Flag Series:	CT Interstate	00-202, 300-305			Wetland I Town:		/10WI004 / W20- utnam	198	_	
Observers:	PL / RL	50-202, 500-505	_		Weather:		unny, high 40s		_	
Date:	4/3/08				Time:	_	3:00 pm			
Dominant NW	/I Class: _PFO				Other NW	'I Classes	: PEM/PSS			
Representativ	e Vegetation (R	ecord Species and	d Occurre	nce Percer	ntage):					
	er ruburm (FAC) us strobus (FAC				Shrubs:	Rham	othoe racemosa nus frangula (FA a ligustrina (FAC	C) – C	<u>- C</u>	
						_Corn	us amomum (FA0	CW) – C	_	
Saplings/Lian	as:				Herbs/For	bes:				
	er rubrum (FAC olyginum perfola					Onocle	stricta (OBL) – D ea sensibilis (FAC nda Cinnamomea	CW) – C		
D = Dominan	(>50%), A = Ab	oundant (26-50%),	C = Com	mon (6-25%	%), S = Spars	e (<5%)			_	
Representativ	re Hydrologic Ch	naracteristics (Circl	e where	appropriate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded		Tidal:	Subtidal	li	rregularly	Exposed
	Saturated 🛚	Intermittently Flooded		cially ded			Reg. Flooded	I	rregularly	Flooded
Hydrologic In	dicators:	Silt Deposition			Water-Stai Leaves ⊠	ned	Water Marks	XI.		
		Surface Scourin	ıg 🗌		Drift Lines		Drainage Patte	erns 🛚		
		Buttressed Tree	s 🗌		Depth of Inundation	2 – 3'	Depth to Soil S	Saturatio	n: surfac	е
Representativ	re Soil Characte	ristics:	ØΝ	lineral		×	Organic			
Depth	Horizon	Texture			trix Color			ox Featu	res/Notes	<u> </u>
0 – 10"	A	Fine sandy loa		10yr 2/1		Oxid	ized rhizosoheres			<u> </u>
10-18"	Bg	Fine sandy loa	m	10yr 4/2		10yr	3/6 C,M,D; organ	nic stainii	ng	
Other Soil Ob	servations: _poo	orly drained								
River/Stream			⊠P	erennial			ntermittent			
Depth @ Cen Flow Rate:	ter: 1-3′	Bank Height: 2-4 Moderate	Fast		l Width 30-18 k Configuration		Notes: Beaver of Undercut	dam Vertic	al M	Gradual
Substrate %:	Peat- Muck	Silt-Mud: 80%	Sand: 15%		vel 5%	201.	Cobbles	Bould		Artificial
Access Route	rs									
Nearest Road		Wetland Crossing		Stream Cı			amp Mats Neede	ed	Notes	
Providence P	ike (RT 44)	Y 🛛 N 🗆		Y 🛛	N 🗆	Υ	⊠ N □			

Project: Flag Series: Observers: Date:	CT Interstate 100-118, 200 PL / RL 4/3/08				Wetland II Town: Weather: Time:	F	10WI003 / W20-19 Putnam sunny, high 40s 12:30 pm	9		
Dominant NW	/I Class:PFC)			Other NW	l Classes	s: PSS_			
Representativ	ve Vegetation (R	ecord Species and 0	Occurrer	nce Percen	tage):					
Trees:	Acer ruburm (F	AC) - D			Shrubs:	_Vibu	cinium corymbosur rnum recognitum (s rugosa (FACW+ us amomum (FAC bulus Canadensis	FACW) – C CW) – C	<u>) – A</u> <u>C</u>	
Saplings/Lian	as:				Herbs/For	bes:				
_A	er rubrum (FAC) - C				Carex	stricta (OBL) - D		_	
_									_	
									_	
D = Dominan	t (>50%), A = Ab	undant (26-50%), C	= Comr	mon (6-25%	6), S = Spars	e (<5%)				
Representativ	ve Hydrologic Ch	aracteristics (Circle	where a	ppropriate))					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally led 🛛		Tidal:	Subtidal		Irregularly	Exposed
	Saturated 🛚	Intermittently Flooded	Artific	cially led			Reg. Flooded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition			Water-Stair Leaves ⊠	ned	Water Marks 2	₫		
		Surface Scouring			Drift Lines		Drainage Patte	rns 🗵	1	
		Buttressed Trees			Depth of Inundation:	6 – 10"	Depth to Soil S	aturati	on: surfac	Э
Representativ	ve Soil Character	ristics:	⊠ Mi	ineral			Organic			
Depth 0-8"	Horizon A	Texture Mucky fine sand		Mati 10YR 2/1	rix Color	Ovid	Redo ized rhizospheres	x Feat	ures/Notes	
0-0		loam	y							
8-16"	Ca	Loamy sand		10 YR 4/2	2	10YF	R 3/6, 2.5YR 5/2 –	C, M,	D	
-										
Other Soil Ob	servations:p	poorly drained and ve	ery poor	ly drained :	soils	_				
River/Stream			□ Pe	erennial			Intermittent			
Depth @ Cer Flow Rate:	ter:	Bank Height: Moderate F	ast 🗌	Channel	Width Configuration	n.	Notes: Undercut	Verti	cal	Gradual
Substrate %:	Peat- Muck		and	Grav		n1.	Cobbles	Bould		Artificial
							1			
Access Route										
Nearest Road Providence P		Wetland Crossing ✓ N □		Stream Cr	ossing N	Sw Y	ramp Mats Neede	d	Notes	
i rovidence P	ING (1X1 44)	IN L		· ⊔	IN M	,			l	

	CT Intersta 100-120; 20 PL / RL 4/2/80 WI Class: _PFC	00-210	Occurren	nce Percen	Wetland I Town: Weather: Time: Other NW		Putna Sunny 3:30 p	am_ y, high 4 pm		&201		
Trees: _n	one				Shrubs:	Co Va Sp	rnus : cciniu irea la	amomur um coryn atifolia (F	ACW+) – n (FACW nbosum (FACW+) nitum (FA	/) – A (FACV – S		
Saplings/Liar	nas:				Herbs/Fo	rbes:						
	none					Sy	mploc		DBL) – D petidus (C L) – s		<u>s</u>	
D = Dominar	nt (>50%), A = A	Abundant (26-50%), C	= Comn	non (6-25%	6), S = Spars	se (<5	%)					
Representati	ve Hydrologic (Characteristics (Circle	where a	ppropriate))							
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		onally led 🏻		Tidal	:	Subtida	al		Irregularly I	Exposed
	Saturated 🗵	Intermittently Flooded ⊠	Artific Flood	ially led				Reg. FI	ooded		Irregularly f	Flooded
Hydrologic Ir	ndicators:	Silt Deposition]		Water-Stai Leaves ⊠				Vlarks □			
		Surface Scouring			Drift Lines			Draina	ge Patter	ns 🛚		
		Buttressed Trees			Depth of Inundation	: 6 – 1	0"	Depth t	o Soil Sa	aturati	on: surface	1
Representati	ve Soil Charac	eristics:	☐ Mi	neral			×	Organic				
Depth	Horizoi				rix Color				Redox	Feat	ures/Notes	
0-30" 30-35"+	O _a C _o	Sapric Sand		10YR 4/1 10YR 5/1		1	0YR :	3/6 – C,	M, D			
Other Soil O	bservations: _V	ery poorly drained										
River/Stream Depth @ Cer		Brook (S10WI001) Bank Height: N/A	⊠ Pe	rennial	Width 80'			termitten	t ank was	flood	ad	
Flow Rate:	Slow		ast		Configurati	on.	_	Undercu		Vertic		Gradual
Substrate %:		Silt-Mud –	Sand – 15%		rel – 10%		_	Cobbles		Bould		Artificial
	-										-	
Access Rout												
Nearest Roa		Wetland Crossing		Stream Cr					Needed		Notes	
Quaddick tov	vn tarm Rd.	Y 🛛 N 🗆		Y 🛛	N 🗌		ΥX	7	N \square			

Project: Flag Series: Observers: Date:	CT Interstate 400-403 PL / RL 4/2/80	•				Wetland Town: Weather: Time:		Putn	ny, high 4				
Dominant NW	l Class: PSS -	Isolated				Other NV	VI CI	asses:	N/A				
Representativ Trees:	e Vegetation (F	Record Species a	and Occurre	ence P	ercen	tage): Shrubs:	H	lamnu	ugosa (F s frangul am recog	a (FAC)	– c	<u>– c</u>	
Saplings/Liana	as: none					Herbs/Fo	rbes -	:	n	one		_	
D = Dominant	(>E09/) A = A)	bundant (26-50%	\ C = Con	mon /	'6 2E0/	'\ C = Coon	- - -	-59/)					
		haracteristics (Ci					SE (\	-576)					
Non-Tidal:	Perm.	Semi Perm. [Flooded	Sea	sonall ded			Tid	al:	Subtida	al		Irregularly	Exposed
	Saturated 🛚	Intermittently Flooded		icially ided					Reg. F	looded		Irregularly	Flooded
Hydrologic Inc	licators:	Silt Deposition	n: 🗌			Water-Sta Leaves ⊠			Water	Marks 🛭	1		
		Surface Scou Buttressed Tr	• —			Drift Lines Depth of				ge Patte		ion: surface	
		Dutilessed 11	ees 🖂			Inundation	n: 6-1	0"	Берш	0 3011 3	aturat	ion. sunace	
Representativ	e Soil Characte	eristics:		Minera	ıl				rganic				
Depth 0-6"	Horizon C ₁	Text		40		ix Color				Redo	x Feat	tures/Notes	
6-16"	C ₂	Very fine sar			r 3/1 r 4/2			10yr 3	3/6 – L,M	,P			
Other Soil Obs	servations: exc	avated depression	n – isolate	d, poo	rly dra	ined							
River/Stream	Data: None				_ Pere	nnial				ntermitt	ent		
Depth @ Cent		Bank Height:		Ch		Width			Notes:				
Flow Rate: Substrate %:	Slow Peat- Muck	Moderate Silt-Mud	Fast Sand		Bank	Configurati el	ion:		Undercu		Verti		Gradual Artificial
Access Route	s												
Nearest Road	Crossing	Wetland Crossin	g	Stre	am Cr	ossing		Swa	mp Mats	Neede	d	Notes	
Quaddack Tov Road				Υ□		N⊠		Υ□		N 🛛			

Town of Thompson, CT

	Project: Flag Series: Observers: Date:	101 – 130; J. Gass/R.	ate Reliability Pro 201 – 238; & 30 Lloyd	1 – 340		Wetland ID Town: Weather: Time:			3-WI-009/NU CT		- - -
Trees: Atlantic white cedar (Chamaecyparis thyoides) - A Shrubs:	Dominant NW	VI Class: PE	M			Other NWI	Classe	es: PFO_			-
Saplings/Lianas: N/A	Representativ	ve Vegetation	(Record Specie	s and Occ	urrence Pe	rcentage):					
N/A	Trees: Atla	ntic white ce	dar (Chamaecypa	aris thyoid	es) - A	Shrubs:			_N/A		
Sphagnum moss (Sphagnum sp.) - A Tussock sedge (Carex stricta) - A Skunk cabbage (Symplocarpus foetidus): Woolgrass (Scirpus cyperinus) - C Phragmites (Phragmites australis) - C Purple loosestrife (Lythrum salicaria) - S D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Flooded Flooded Flooded - X Tidal: Subtidal Irregularly E: Flooded Irregularly E: Flooded Flo	Saplings/Lian	ias:		-		Herbs/Forl	oes:				
Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Flooded Floo	D = Dominan			- - -	Common (6	-25%). S = Sp	Spha Tusso Skun Wool Phrao Purpl	gnum mos ock sedge k cabbage grass (Sci gmites (Ph e loosestri	ss (Sphagnu (Carex stric (Symplocal rpus cyperin ragmites au	cta) -A rpus foetidu nus) –C ustralis) –C	
Non-Tidal: Perm. Flooded Flooded Flooded Flooded - X Flooded - Interplately Flooded - X Flooded - Interplately Flooded - X Flooded - X Flooded - Interplately Flooded - X Flooded - Interplately Flooded - Inte			-				ourse (-070)			
Hydrologic Indicators: Silt Deposition Water-Stained Leaves Water Marks		Perm.	Semi Perm.	Sea	sonally		Γidal:	Subtida	al	Irregularly	Exposed
Also – Inundated soils Surface Scouring Buttressed Trees Depth of Inundation: Depth to Soil Saturation: Representative Soil Characteristics: Mineral XOrganic Depth (in) Horizon Texture Matrix Color Redox Features/Notes 0 – 24+ Oe Peaty muck 10 YR 2/1 — Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soil and 38C - Hinckley gsl, 3-15% slopes River/Stream Data: N/APerennialIntermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gravel Substrate %: Peat- Silt-Mud Sand Gravel Cobbbles Boulders / August		Saturated						Reg. F	looded	Irregularly	Flooded
Buttressed Trees Depth of Inundation: Depth to Soil Saturation: Depth to Soil Saturation: Depth to Soil Saturation: Depth to Soil Saturation: Depth of Inundation: Mineral X Organic Depth (in) Horizon Texture Matrix Color Redox Features/Notes 0 - 24 + Oe Peaty muck 10 YR 2/1 Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soil and 38C - Hinckley gsl, 3-15% slopes River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Substrate %: Peat-Muck Sand Gravel Cobbles Boulders / Muck		dicators:	Silt Deposition	n			ned	Water	Marks		
Representative Soil Characteristics:MineralXOrganic Depth (in)	Inundated soi	ils	Surface Scor	ıring		Drift Lines		Draina	ge Patterns		
Depth (in) Horizon Texture Matrix Color Redox Features/Notes 0 - 24+ Oe Peaty muck 10 YR 2/1 Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soil and 38C - Hinckley gsl, 3-15% slopes River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gravel Cobbles Boulders / Muck			Buttressed T	rees				Depth	to Soil Satu	ration:	
Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soil and 38C - Hinckley gsl, 3-15% slopes River/Stream Data: N/A Perennial Intermittent Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gubstrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders /	Representativ	ve Soil Chara	cteristics:		Mir	neral		х	Organic		
Other Soil Observations: Area mapped as 17 - Timakwa & Natchaug soil and 38C - Hinckley gsl, 3-15% slopes River/Stream Data: N/A	Depth (in)	Horizo	n Text	ıre	Mat	rix Color	T		Redox Fea	atures/Note	S
River/Stream Data: N/A Perennial Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Cobbles Boulders //	0 – 24+	Oe	Peaty r	nuck	10	YR 2/1					
River/Stream Data: N/A Perennial Depth @ Center: Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Cobbles Boulders //											
Depth @ Center: Bank Height: Channel Width Notes:	Other Soil Ob	servations: A	Area mapped as	17 - Timak	wa & Natch	naug soil and	38C - F	Hinckley g	sl, 3-15% sl	opes	
Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical (Substrate %: Peat- Muck Sand Gravel Cobbles Boulders //	River/Stream	Data: N/A							Intermittent		
Substrate %: Peat- Muck Sand Gravel Cobbles Boulders /				I =4					4 11	-411	
Access Routes		Peat-					on:				Gradual Artificial
	Access Route	es									
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes ~ 1.000 feet northeast Y N Y N Y N				•				wamp Mat		Notes	

Project: Flag Series: Observers: Date:	101 – 1	14 & : R. LI	Reliability Proje 201 – 213 oyd				Wetland II Town: Weather: Time:			SR# W-03-WI-00 mpson, CT			4 — — —
Dominant NV	VI Class: F	PSS_					Other NW	'I Cla	asses	s: PFO			_
Representativ	ve Vegetat	ion (F	Record Species	and Occ	urren	ce Pe	rcentage):						
Trees: Rec	d maple (A	cer ru	ubrum) -C				Shrubs:	W Si Gr	/inter ilky d ray d	ush blueberry (V berry (Ilex vertic logwood (Cornus logwood (Cornus p rose (Rosa pa	illata) s amo s race	-A mum) -C mosa) -S	•
Saplings/Lian	nas:						Herbs/For	bes:	:				
		N//	A					Se	ensiti	rass (Scirpus cy ive fern (Onocle ish (Juncus effus	a sens	sibilis) -C	
D = Dominan	t (>50%)	A = A	bundant (26-50°	%) C = (Comm	on (6	-25%) S = S	nars	se (</td <td>5%)</td> <td></td> <td></td> <td></td>	5%)			
			haracteristics (C						- 3 ("	,			
Non-Tidal:	Perm.	gic C	Semi Perm.		ere ap			Tida	al·	Subtidal		Irregular	ly Exposed
rion ridai.	Flooded		Flooded		oded -			Huu		Cublidai		irregulai	ту Ехрозой
	Saturated	t	Intermittently Flooded		ficially oded	'				Reg. Flooded		Irregular	ly Flooded
Hydrologic In	dicators:		Silt Deposition				Water-Stai	ned		Water Marks			
Also -			0 (0				Leaves			B : B ::			
Inundated so	ils		Surface Scour	-			Drift Lines			Drainage Patt			
			Buttressed Tre	ees			Depth of Inundation	:		Depth to Soil	Satura	ation:	
Representativ	ve Soil Cha	aracte	eristics:		_X	N	lineral			Organic			
Depth 0 - 8	Hori		Textur Muck				trix Color YR 2/1			Redo	x Fea	tures/Not	es
8 – 12+			IVIUCK				YR 2/4					-	
Other Soil Ob	servations	: Are	a mapped as 73	BC - Cha	rlton-0	Chatfi	eld complex,	3-15	5% sl	lopes, very rock	y		
River/Stream	Data: Teff	Broo	ok (S-03-WI-003)	_x	P	erennial			Intermi	ttent		
Depth @ Cer	nter: 6 – 8"		Bank Height:		CI		el Width			Notes:			
Flow Rate:	Slow		Moderate	Fast			k Configurati	on:		Undercut	Vert		Gradual
Substrate %:	Peat- Muck		Silt-Mud	Sand		Gra	vei			Cobbles	Bou	Iders	Artificial
	es												
Access Route													
Access Route Nearest Road	d Crossing	V	Vetland Crossing	1	Stre	am C	rossing		Sw:	amp Mats Need	ed	Notes	

										_
Dominant N\	VI Class: PFC)			Other NW	I Classe	s:			
Representat	ve Vegetation	(Record Species	and Occi	urrence Pe	ercentage):					
Trees:		I/A			Shrubs:	Highb	rberry (llex ush blueber bod (Carpin	rry (Vaccini	ium coryml	oosum) -C
Saplings/Lia	nas:				Herbs/For	bes:				
		I/A				Cinna	mon fern (C gnum moss			a) -D
D = Dominar	nt (>50%), A =	Abundant (26-50	0%). C = C	Common (6	3-25%). S = S	parse (<	(5%)			
		Characteristics (-	-	(
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally oded X		Tidal:	Subtidal		inium corymbosum) -i niana) -S	
	Saturated	Intermittently Flooded		icially oded			Reg. Floo	oded	Irregularly	Flooded
Hydrologic Ir Also –	idicators:	Silt Deposition	n		Water-Stain Leaves	ned	Water Ma	arks		
Inundated so	oils	Surface Scou	ıring		Drift Lines		Drainage	Patterns		
		Buttressed Tr	ees		Depth of Inundation:	:	Depth to	Soil Satura	ation:	
Representati	ve Soil Charac	cteristics:		Miı	neral		x 0	rganic		
			ire	Maf	trix Color				tures/Note	s
Depth (in)		Muc	k	10	YR 2/1			-	inium corymbosum iana) - S cinnamomea) - D m sp.) - S Irregularly Expo Irregularly Flood ration: atures/Notes rtical Gra ulders Arti	
Depth (in) 0 - 8 8+	O R									
0 - 8										
0 - 8	R	rea mapped as 4	7C - Woo	dbridge fsl	, 2-15% slope	es, extre	mely stony			
0 - 8 8+ Other Soil O	bservations: A		7C - Wood	Pe	rennial	es, extre	In	termittent		
0 - 8 8+ Other Soil O River/Stream	R bservations: A Data: N/A nter:	Bank Height:		Pe	rennial el Width	_	In		tical	Gradual
0 - 8 8+ Other Soil O	R bservations: A Data: N/A nter: Slow		Fast Sand	Pe	rennial el Width nk Configurati	_	In	Vert		Gradual Artificial
0 - 8 8+ Other Soil O River/Stream Depth @ Ce Flow Rate: Substrate %	R bservations: Ai n Data: N/A nter: Slow Peat- Muck	Bank Height: Moderate	Fast	Pe Channe Ban	rennial el Width nk Configurati	_	Notes:	Vert		
0 - 8 8+ Other Soil O River/Stream Depth @ Ce Flow Rate:	R bservations: A Data: N/A nter: Slow Peat- Muck	Bank Height: Moderate	Fast Sand	Pe Channe Ban	rennial el Width alk Configurati vel	on:	Notes:	Vert Bou	Iders	

Project: Flag Series: Observers: Date:	401 - 407	e Reliability Project		Wet Tow	land ID: n: ather:	ENS	R# W-03-WI- mpson, CT _			- - -		
Dominant NV	/I Class: PSS/	PFO		Othe	er NWI C	lasses	s:					
Representativ	ve Vegetation (Record Species and	d Occurrence	Percentag	je):							
Trees:	N	'A		Shru			berry (llex ve ush blueberry			bosum) - C		
Saplings/Lian				Hork	os/Forbes							
		/A		rien	F	Reed o	canary grass ive fern (Ono			cea) - C		
D = Dominan	t (>50%), A = A	Abundant (26-50%),	C = Commor	n (6-25%),	S = Spar	se (<	5%)					
Representativ	ve Hydrologic (Characteristics (Circ	le where app	ropriate)								
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded	Seasonally Flooded 2		Tida	al:	Subtidal		Irregularly	/ Exposed		
	Saturated	Intermittently Flooded	Artificially Flooded				Reg. Flood					
Hydrologic In	dicators:	Silt Deposition			r-Stained	i	Water Marl	(S				
Also -				Leav								
Inundated so	ils	Surface Scouring		Drift I			Drainage F					
Areas of stan	ding water	Buttressed Trees		Depti	h of dation:		Depth to Se	oil Satur	ation:			
Representativ	ve Soil Charac	eristics:	x_	_ Mineral			Orga	nic				
Depth (in)	Horizon	Texture		Matrix Cold	or		Re	dox Fea	tures/Note	S		
0 - 6	0			10 YR 2/1								
6 – 12+	A			10 YR 3/5	,				-			
Other Soil Ob 8% slopes, ve		ea mapped as 47C	- Woodbridge	fsl, 2-15%	slopes,	extrer	nely stony an	ıd 61B -	Canton & 0	Charlton soils, 3-		
River/Stream	Data: N/A			Perennial			Inte	rmittent		,		
Depth @ Cer		Bank Height:		nnel Width			Notes:					
Flow Rate: Substrate %:	Slow Peat- Muck			Bank Confi Gravel	guration:		Undercut Cobbles		tical ılders	Gradual Artificial		
Access Route	es											
Nearest Road	-	Wetland Crossing		m Crossing	J		amp Mats Ne	eded	Notes			
~ 50 feet wes	t '	Y N	Υ	N		Υ	N					

Project: Flag Series: Observers: Date:	101 – 165 J . Gass/R	ate Reliability Proje & 201 – 218 . Lloyd			Wetland Town: Weather: Time:	-		R# W-03-WI-00 lpson, CT			- - -
Dominant NV	VI Class: PF	O/PSS		-	Other NV	VI Cla	sses:				
Representati	ve Vegetation	(Record Species	and Occu	ırrence Pe	rcentage):						
Trees: Rec	i maple (Acei	rubrum) -D			Shrubs:	Hiç Iro	ghbus nwoo	erry (llex vertic sh blueberry (V d (Carpinus ca ssh (Lindera be	accinium roliniana	ocorymb) -S	oosum) -A
Saplings/Liar		N/A			Herbs/Fo	Cir	nnam	on fern (Osmu um moss (Sph			a) - D
D = Dominan	t (>50%), A =	Abundant (26-50	%), C = C	ommon (6	-25%), S = \$	Sparse	e (<5º	%)			
Representativ	ve Hydrologic	Characteristics (C	Circle whe	re appropr	riate)						
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X		Tidal	:	Subtidal	Irr	egularly	Exposed
	Saturated	Intermittently Flooded	Artifi	cially ded				Reg. Flooded	Irr	egularly	Flooded
Hydrologic In Also –	dicators:	Silt Deposition	ı		Water-Sta Leaves	ained		Water Marks			
Inundated so	ils	Surface Scour	ing		Drift Lines	3		Drainage Patt	erns		
Area identifie Pool/Amphibi habitat		Buttressed Tre	ees		Depth of Inundation	n:		Depth to Soil	Saturatio	n:	
Representati	ve Soil Chara	cteristics:		X M	lineral			Organic			
Depth (in)	Horizo	n Textur	e	Mat	rix Color			Redo	x Feature	es/Notes	3
0 - 8 8 – 15+	O A				YR 2/1 YR 2/4				-		
		rook (S-03-WI-004		-	ter, and Whi	itman	soils,	extremely stor			
Depth @ Cer		Bank Height:		Channe	l Width		1	Notes:			
Flow Rate:	Slow	Moderate	Fast		k Configura	tion:		Jndercut	Vertica	ıl	Gradual
Substrate %:	Peat- Muck	Silt-Mud	Sand	Gra				Cobbles X	Boulde		Artificial
Access Route	es										
Nearest Road		Wetland Crossing	9	Stream C				mp Mats Need	ed I	Votes	
~ 750 feet we	est	Y N		Υ	N		Υ	N			

Project: Flag Series: Observers: Date:	301 –	326 _ s/R. Ll	Reliability Proj				Wetland I Town: Weather: Time:			SR# W-03-WI-00 mpson, CT			_ - -
Dominant NV	VI Class:	PFO_					Other NW	VI CI	asse	s:			
Representati	ve Vegeta	ation (F	Record Species	and Occ	urren	ce Per	rcentage):						
Gre Her	en ash (F nlock (Ts	Fraxinu suga ca	ubrum) -D us pennsylvanic anadensis) -S strobus) -S	a) - C			Shrubs:	P-	ерре	erbush (Clethra a	ilnifolia	n) -A	
Saplings/Liar	nas:						Herbs/Fo	rbes	:				
		N//	4							gnum moss (Sph mon fern (Osmu) -C
D = Dominar	t (>50%)	. A = A	bundant (26-50	%). C = 0	Comm	on (6-	-25%). S = S	 Spars	se (<	:5%)			
			haracteristics ((-	/			
Non-Tidal:	Perm.	logic C	Semi Perm.		sonal		late)	Tida	al·	Subtidal		Irregularly	Evnosed
rion ridai.	Flooded	d	Flooded		ded -			riuc	41.	Cublidai		irrogularly	Lxposed
	Saturat	ed	Intermittently Flooded		icially ded	,				Reg. Flooded		Irregularly	Flooded
Hydrologic In	dicators:		Silt Deposition	1			Water-Sta	ined		Water Marks			
Also -							Leaves						
Inundated so	ils		Surface Scou				Drift Lines			Drainage Pati			
Seeps			Buttressed Tr	ees			Depth of Inundation	1:		Depth to Soil	Satura	tion:	
Representati	ve Soil C	haracte	eristics:			Min	neral			_X Organ	ic		
Depth (in)	Но	rizon	Textu	re		Mati	rix Color	T		Redo	x Feat	ures/Notes	
0 – 15" 15+		O R	Mucl	(10	YR 2/1				-		
15+		K											
								ļ					
Other Soil Ol	oservation	ns: Are	a mapped as 3	- Ridgebi	ury, L	eicest	ter, and Whit	tman	n soil	s, extremely sto	ny		
River/Stream	Data: N/	Ά				_ Per	rennial			Interm	ttent		
Depth @ Cer	nter:		Bank Height:		CI	nanne	l Width			Notes:			
Flow Rate:	Slov		Moderate	Fast			k Configurat	ion:		Undercut	Verti		Gradual
Substrate %:	Pea Mud		Silt-Mud	Sand		Grav	vel			Cobbles	Boul	ders	Artificial
Access Rout	es												
Nearest Roa	d Crossin	ıg V	Vetland Crossin	g	Stre	am C	rossing		Sw	amp Mats Need	ed	Notes	
~ 2,400 feet	west	Υ	N		Υ		N		Υ	N			

Dominant NWI Class: PEM	Project: Flag Series: Observers: Date:	401 – 408 J. Gass/R.	ate Reliability			Wetland I Town: Weather: Time:	1		3-WI-004/NU CT		- - -
Trees:	Dominant NV	VI Class: PEI	И		_	Other NW	/I Clas	sses:			
Saplings/Lianas: Herbs/Forbes: N/A	Representati	ve Vegetation	(Record Spe	cies and Oc	currence Pe	ercentage):					
N/A	Trees:		N/A	_		Shrubs:					oosum) -S
Reed canary grass (Phalaris anundinacea) - A Sphagnum moss (Sphagnum sp.) - C Woolgrass (Carex stricta) - C Cattalis (Typha latifolia) - S Sensitive fern (Onoclea sensibilis) - S D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Circle where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Flooded Flo	Saplings/Liar	nas:				Herbs/For	rbes:				
Non-Tidal: Perm. Semi Perm. Flooded Reg. Flooded Irregularly Exposed Irregularly Flooded F	D = Dominan				Common (6	3-25%), S = S	Re Spl Wo Ca Se	ed canary gr hagnum mos polgrass (Car ttails (Typha nsitive fern (rass (Phalaris ss (Sphagnur rex stricta) -C latifolia) -S	m sp.) - C	cea) -A
Flooded Flooded Flooded - X Saturated Intermittently Flooded Flooded - X Saturated Intermittently Flooded Floo	Representati	ve Hydrologic	Characteristi	cs (Circle w	nere approp	riate)					
Hydrologic Indicators: Silt Deposition Water-Stained Leaves Water Marks	Non-Tidal:				,		Tidal	: Subtida	al	Irregularly	Exposed
Also – Inundated soils Surface Scouring		Saturated		-				Reg. F	looded	Irregularly	Flooded
Surface Scouring		dicators:	Silt Depos	sition			ined	Water	Marks		
Representative Soil Characteristics:MineralXOrganic Depth (in)		ils	Surface S	couring		Drift Lines		Draina	ge Patterns		
Depth (in) Horizon Texture Matrix Color Redox Features/Notes 0 - 15+ Oa Muck 10 YR 2/1 Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony River/Stream Data: S-03-WI-002 Perennial X_Intermittent Depth @ Center: 4 - 6" Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes			Buttresse	d Trees			1:	Depth	to Soil Satura	ation:	
Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony River/Stream Data: S-03-WI-002 Perennial X_Intermittent Depth @ Center: 4 - 6" Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Representati	ve Soil Chara	cteristics:		Mi	neral		x	Organic		
Other Soil Observations: Area mapped as 3 - Ridgebury, Leicester, and Whitman soils, extremely stony River/Stream Data: S-03-WI-002 Perennial X_Intermittent Depth @ Center: 4 - 6" Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Depth (in)	Horizo	n Te	exture	Ma	trix Color			Redox Fea	tures/Note:	s
River/Stream Data: S-03-WI-002 Perennial X Intermittent Depth @ Center: 4 - 6* Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	0 – 15+	Oa	N	Лиск	10) YR 2/1			-	-	
River/Stream Data: S-03-WI-002 Perennial X Intermittent Depth @ Center: 4 - 6* Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes											
Depth @ Center: 4 - 6" Bank Height: Channel Width Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes	Other Soil Ob	oservations: A	rea mapped a	as 3 - Ridge	oury, Leices	ster, and Whit	man	soils, extrem	ely stony		
Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Substrate %: Peat- Muck Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes			VI-002				-	x	_ Intermitten	t	
Substrate %: Peat-Muck Silt-Mud Sand Gravel Cobbles Boulders Artificial Access Routes Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes			_						.t \\/a=	tion	Cradual
Nearest Road Crossing Wetland Crossing Stream Crossing Swamp Mats Needed Notes		Peat-					ION:				
			Watland C	ooina	Stroops (Property		Swamp Mark	Noodod	Notes	
		·				-				Notes	

Project: Flag Series: Observers: Date:	301 – 326	Lloyd		-	Wetland ID Town: Weather: Time:		ISR# W-03-WI-00 ompson, CT			
Dominant N	WI Class: PF	0			Other NWI	Class	es:			
Representat	ve Vegetation	(Record Species	and Occi	ırrence Pe	rcentage):					
Gr Bla	d maple (Acer een ash (Frax ck birch (Betu ite pine (Pinu	inus pennsylvanica ıla lenta) C	a) -C		Shrubs:	Witch	erberry (llex vertic n-hazel (Hamame bush blueberry (V	lis virg	iniana) -C	
Saplings/Lia		N/A			Herbs/Fort		gnum moss (Sph	agnum	n sp.) - C	
_										
D = Dominar	nt (>50%), A =	Abundant (26-50	%), C = C	ommon (6	i-25%), S = Sp	oarse (<5%)			
Representat	ve Hydrologic	Characteristics (C	circle whe	ere approp	riate)					
Non-Tidal:	Perm. Flooded	Semi Perm. Flooded		sonally ded X	1	īdal:	Subtidal		Irregularly	y Exposed
	Saturated	Intermittently Flooded	Artif Floo	icially ded			Reg. Flooded		Irregularl	y Flooded
Hydrologic Ir Also –	ndicators:	Silt Deposition			Water-Stain Leaves	ied	Water Marks			
Inundated so	oils	Surface Scour	ing		Drift Lines		Drainage Patt	erns		
	ol topography	Buttressed Tre	ees		Depth of Inundation:		Depth to Soil	Satura	tion:	
Representat	ve Soil Chara	cteristics:		X Mir	neral		Organic			
Depth (in)	Horizo	n Textur	е	Mat	trix Color		Redo	x Feat	ures/Note	s
0 - 8	0	Muck		10	YR 2/1			-		
8+	R									
		Area mapped as 3-	Ridgebu			an soi		_		
	Data: S-03-V		_		rennial	_		nittent		
Depth @ Ce Flow Rate:	nter: 4 - 6" Slow	Bank Height: Moderate	Fast		el Width ik Configuration	n:	Notes: Undercut	Verti	ical	Gradual
Substrate %		Silt-Mud	Sand	Gra			Cobbles	Boul		Artificial
Access Rout	es									
Nearest Roa		Wetland Crossing	9	Stream C	Prossing	Sı	wamp Mats Need	ed	Notes	
		'			,		'			

Project: Flag Series Observers Date:	s: '	101 – 120 &	e Reliability F 201 – 219 _ loyd					Wetland Town: Weather Time:			SR# W-0 ompson, (# W20-211	1 — — —
Dominant	NWI (Class: PFO						Other NV	NI C	lasse	s: PSS_				-
Represent	ative	Vegetation (Record Spec	cies a	and Occ	urren	ce Per	centage):							
Trees: F	Red m	naple (Acer r	ubrum) -D					Shrubs:	V	Vitch	-hazel (H	lamamel	is vir	giniana) - S	3
-				_					-						
Saplings/L	ianas	:						Herbs/Fo	orbe	s:					
V - -	Vhite	pine (Pinus	strobus) - A						5	Spha		ss (Sph	agnu	innamome m sp.) - D - C	a) -D
D = Domin	ant (50%) A = /	Abundant (26	S-50º	/\ C = C	`omm	on (6-	25%) S =	- Snai	rea (e	-5%)				
									Ора	30 (-070)				
Represent	ative	Hydrologic (Characteristic	cs (C	ircle whe	ere ap	propri	iate)							
Non-Tidal:		erm. looded	Semi Pern Flooded	n.		sonal ded -			Tid	al:	Subtid	lal		Irregulari	y Exposed
	S	aturated	Intermitter Flooded	ntly		icially ded	'				Reg. F	looded		Irregulari	y Flooded
Hydrologic	Indic	ators:	Silt Depos	ition				Water-Sta	ainec	i	Water	Marks			
Also -								Leaves							
Inundated	soils		Surface S	couri	ng			Drift Lines	3		Draina	age Patt	erns		
			Buttressed	d Tre	es			Depth of Inundation	n:		Depth	to Soil S	Satur	ation:	
Represent	ative	Soil Charact	teristics:				Min	eral			_X	Organi	С		
Depth (i	n)	Horizon	Te	exture	9	Г	Matr	ix Color	Т			Redox	x Fea	tures/Note	ıs.
0 - 8		Oa		/luck				YR 2/1						-	
8+		R													
Other Soil	Obse	rvations: Ar	ea mapped a	as 17	- Timak	wa &	Natch	aug soils							
River/Strea	am Da	ata: S-03-W	I-001				_ Per	ennial			x	_ Intern	nitten	t	
Depth @ C			Bank Heigh	nt:		CI		Width			Notes:				
Flow Rate:		Slow	Moderate		Fast			Configura	tion:		Underc			tical	Gradual
Substrate '	%:	Peat- Muck	Silt-Mud		Sand		Grav	rel			Cobble	S	Воц	ulders	Artificial
Access Ro	utes														
Nearest Ro	oad C	rossing	Wetland Cros	ssing	ı	Stre	am Cı	rossing		Sw	amp Mat	ts Neede	ed	Notes	
~ 4,800 fee	et wes	st '	Y	N		Υ		N		Υ		N			
				_		_		-					_	-	

Appendix C

2008 Representative Site Photographs



East view of W20-1



Northeast view of W20-2



East view of W20-3



West view of W20-4



East view of W20-5



East view of W20-6



East view of W20-7



West view of W20-8



West view of W20-9



Southeast view of W20-10



Southeast view of W20-11



Southeast view of W20-12



North view of W20-13



North view of W20-14



Southeast view of W20-15



W20-16



South view of W20-17





W20-19



Southeast view of W20-20



East view of W20-21



South view of W20-22



W20-23



North view of W20-24



South view of S20-2 (Hop River)



West view of W20-25



South view of W20-26



W20-27



Northwest view of W20-28



Southwest view of W20-29



North view of W20-30



Northeast view of W20-31



W20-32



Northeast view of W20-33



View of W20-34 and S20-5



Southwest view of W20-35



North view of W20-36



North view of W20-37



North view of W20-38



View of W20-39 and S20-7



North view of W20-40



W20-41



East view of W20-42



North view of W20-43 and S20-8



East view of W20-44



S20-10



North view of W20-45



W20-46 and S20-12



South view of W20-47 and S20-13



North view of W20-48 and S20-14



Southwest view of W20-49



South view of W20-50



Southwest view of W20-51



North view of W20-52



Southeast view of W20-53



W20-54



Northwest view of W20-55 and S20-16



Southeast view of W20-56



W20-57



West view of W20-58



Northwest view of W20-59



East view of W20-60



West view of W20-61 and S20-18



Northeast view of W20-62



W20-62A



W20-62B



W20-62C



East view of W20-63



West view of W20-64



South view of W20-65



South view of W20-66



South view of W20-67 and S20-20



North view of W20-68 and S20-20



W20-69 and S20-21



W20-70



W20-71



East view of W20-72



East view of W20-73



Natchaug River / S20-22



South view of W20-74 and S20-23



W20-75



East view of W20-76



West view of W20-77



North view of W20-78



North view of W20-79



East view of W20-80 and S20-25



W20-81



North view of S20-26







East view of W20-83



East view of W20-84



East view of W20-85



W20-86



East view of W20-87



West view of W20-88



North view of S20-28



View of W20-89 and Buttonball Brook / S20-29



W20-90



West view of W20-91



W20-92



W20-93 and S20-31



W20-94



North view of W20-95



East view of W20-96



W20-97



W20-98



W20-99



W20-100



North view of W20-101 and S20-35





W20-103



W20-104



West view of W20-105



West view of W20-106



Northeast view of W20-107



Northwest view of W20-108 and S20-39



Northeast view of W20-109



W20-110



East view of W20-111



W20-112



Northwest view of W20-112A



North view of W20-113



East view of W20-114



W20-115



W20-116 and S20-41



Northeast view of W20-117



Northeast view of W20-118



W20-119



Northeast view of W20-120



Northeast view of W20-121



Northeast view of W20-122



Northeast view of W20-123



Northeast view of W20-124



Northeast view of W20-125



North view of W20-126



W20-127



South view of W20-128



Northeast view of W20-129



W20-130



West view of W20-131



South view of W20-132



South view of W20-133



Southwest view of W20-134



North view of W20-135



South view of W20-136



North view of S20-42



South view of W20-138



North view of W20-139



Northeast view of W20-140



Southwest view of W20-141



West view of W20-142



Southwest view of W20-143



Northwest view of W20-144



Northeast view of W20-145 and S20-43



West view of W20-146



North view of W20-147



Northeast view of W20-148



Southwest view of W20-149



Southwest view of W20-150



W20-151



S20-47



S20-48



W20-152









W20-154



W20-155



W20-156



W20-157



W20-158



W20-159





Northwest view of W20-160A



W20-161



W20-162



W20-163



South view of W20-164



W20-165



W20-166



W20-167



W20-168



South view of W20-169



West view of W20-170



East view of W20-171



W20-172



Northwest view of W20-173



West view of W20-174



East view of W20-175



Northwest view of W20-176



W20-177



East view of W20-178



Southeast view of W20-179



North view of W20-180



Southeast view of W20-181



Southwest view of W20-182



W20-183



South view of W20-184



S20-60



West view of W20-185



East view of W20-186



W20-187



W20-188



South view of W20-189



South view of W20-190



Southwest view of W20-191



West view of W20-192



Northwest view of W20-193



W20-194



Northeast view of W20-195



South view of W20-196



W20-197



East view of W20-198



South view of W20-199



East view of W20-200



Five Mile River / S20-64







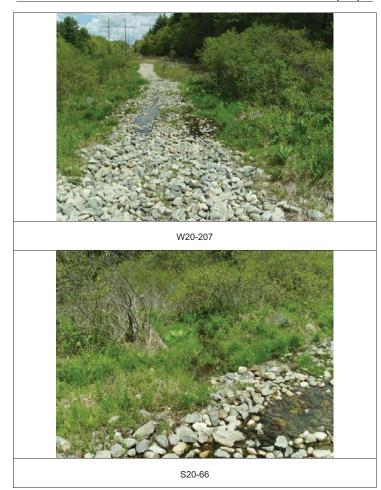


W20-204 and S20-65



W20-205







W20-208



W20-209



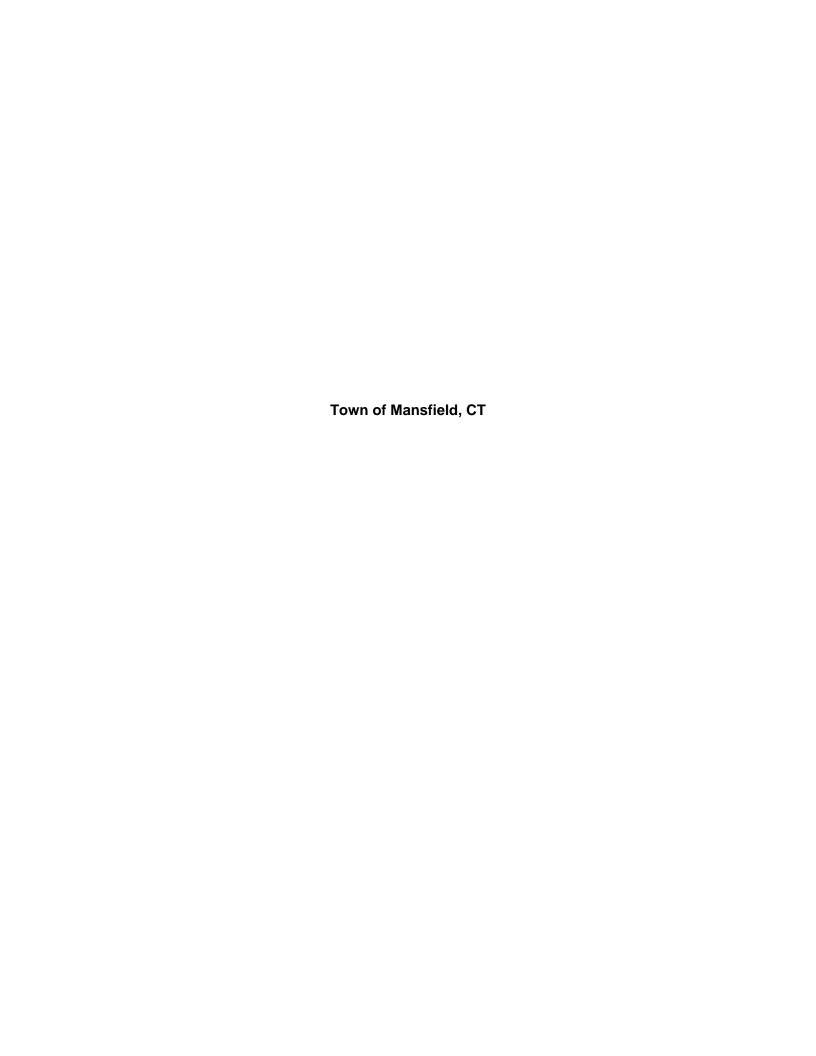
W20-210



W20-211

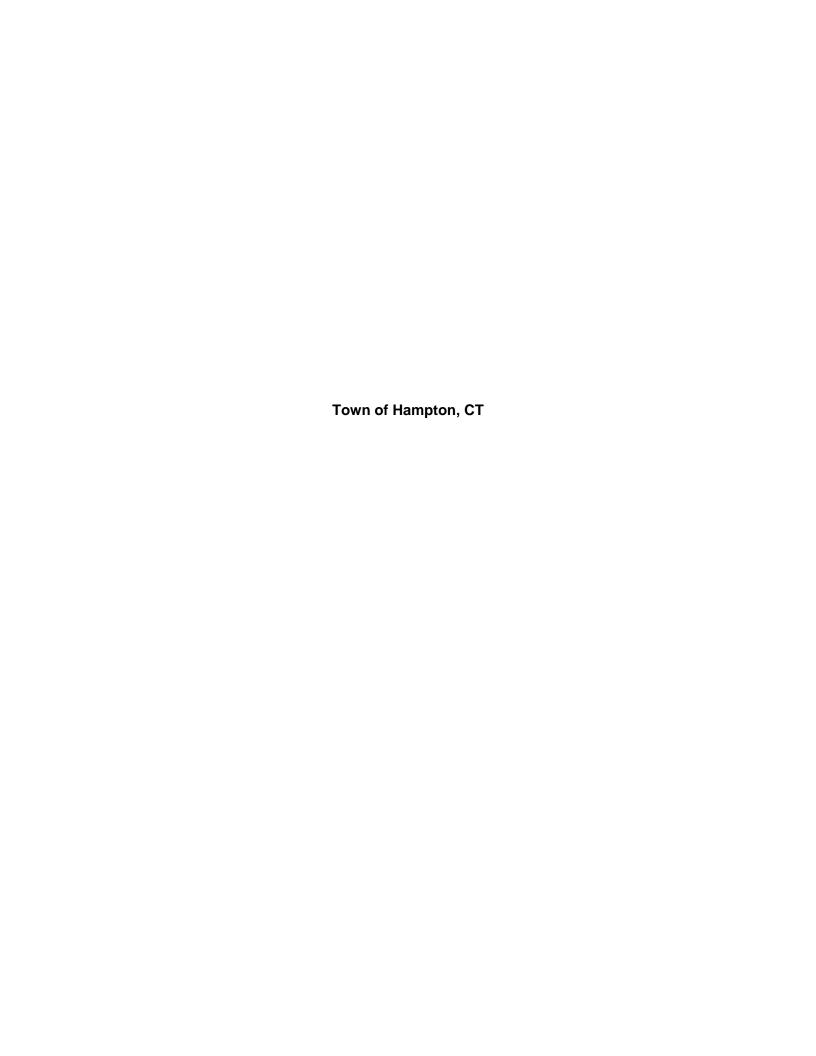
Appendix D

2011 Wetlands and Watercourses Field Data Forms



Project:	CT-Intersta	ate Reliability F	Project	_	Wetland	ID: <u>V</u>	V20-39A			
Flag Series:	<u>101 –110</u>			_ Tow	n:	M	<u> lansfield, C</u>	<u>T</u>		_
Observers:	R. Weissm	an/A. Milliman		_ Weather:		_				_
Date: 04/20/1	1			Time:		_				_
Dominant NW	/I Class: PS	<u>S</u>		-	Other N	NI Clas	ses: <u>PFO</u>	(outside r	naintained RC)W)
Representativ	ve Vegetation	(Record Spec	cies and Oc	currence Pe	rcentage):					
Trees: Blac	ck hirch (<i>Bet</i> r	ıla lenta) - C	Shrubs.			Spic	cebush (<i>Lin</i>	dera henz	oin) - A	
Hop		Ostrya virginia	_				ckled alder			
op	TIOTH DOGITH (oonya viigiina	114) 0						s communis) -	- C
									ımbellatus) - (
							elnut (Cory			<u>-</u>
							y birch (Bet			
Saplings/Lian	as: Her				he/Fi	orbes:	, (=			
					55/1			_		
		<u>perus virginian</u>					sses spp. –			
Yell	ow birch (Be	<u>tula alleghanie</u>	<u>nsis) - S</u>						arpus foetidu	<u>s) - S</u>
									<u>ensibilis) - S</u>	
							denrod (Sol			
						See	edbox (<i>Ludv</i>	<u>vigia spp) -</u>	<u>. S</u>	
D = Dominant	t (>50%), A =	: Abundant (26	-50%), C =	Common (6-	-25%), S =	Sparse	(<5%)			
Representativ	e Hydrologic	: Characteristic	s (Circle wl	here appropr	riate)					_
Non-Tidal: Pe		Semi Perm		asonally	Tida	1:	Subtid	al	Irregularly	Evposed
Non-Huai. F	Flooded	Flooded		oded X	Tiua	1.	Subila	aı	inegulariy	Lxposed
	i looded	1 looded	110	Joueu A						
S	aturated	Intermitten	tly Art	tificially	Reg.		F	looded	Irregularly	Flooded
		Flooded	Flo	ooded						
Hydrologic Inc	dicators:	Silt Depos	ition		Water-Sta	ained	Water	Marks		
_					Leaves	Χ				
Sphagnum n	1055	Courfe e e Co			Daiff Lines		Danian	D-#	_	
		Surface So	Journing		Drift Line	5	Dialila	ge Patterr	15	
		Buttressed	Trees		Depth of		Depth	to Soil Sa	uration: surfa	ice
					Inundatio	n:				
							l			
Representativ	e Soil Chara	cteristics:		Min	neral		<u>X</u>	Organic		
Depth	Horizo	n Te	xture	Mat	rix Color			Redox F	eatures/Notes	3
0-5"	0		luck		YR 2/1		O lav		(8"+) in some	
5-12"	A		oarse sand		YR 3/2	-			entrations (co	
12-18"+	В	_	ndy loam		5Y 5/2				YR 4/6 conce	
12 10		1 1110 00	inay loani		01 0/2		2.01	<i>,,</i> o and 10	110 001100	THE CHIEF CONTROL OF THE CHIEF
Other Soil Ob	servations: A	rea mapped a	s unit 85C -	- Paxton and	Montauk fi	ne sand	dy loams			
River/Stream	Data: N/A			Per	rennial	_		Intermitte	nt	
Depth @ Cen	ter:	Bank Heigh	t:	Channe	l Width		Notes:			
Flow Rate:	Slow	Moderate	Fast		k Configura	tion: Ur		ut V	'ertical	Gradual
Substrate %:	Peat-	Silt-Mud Sa		Grav				s Boulders		Artificial
	Muck		-		-					
	1	1	L	1 1			ı			
Access Route	<u> </u>									
									-	
Nearest Road		Wetland Cros		Stream C			Swamp Mat	s Needed	Notes	
Existing acce	ss road	Υ	N	Υ	N	`	ΥN			

Project:	CT-Interst	<u>ate Reliability Proj</u>	ect		Wetland	ID:	W20-	45A				
Flag Series:	<u>301-311</u> _			ow	n:		Mans	field, CT				_
Observers:		nan/A. Milliman		Weather:								_
Date: 04/21/17	1			_Time:								_
Dominant NW	l Class: <u>PE</u>	<u>M</u>			Other N	WI Cla	asses:	_PFO	(outside	e mair	ntained RC	DW)
Representativ	e Vegetatior	n (Record Species	and Occi	ırrence Pe	rcentage):							
Trees: None					Shrubs:	М	ultiflor	a rose (Rosa m	ultiflo	ra) - C	
					Omabo.						<u>tum) - S</u>	
						_		•				
Saplings/Liana	as: Her				bs/F	orbes	:					
None		_				G	rasses	s spp. –	Α			
						S	oft rus	h (<i>Junc</i> u	us effus	us) –	Α	
								-			<u>sibilis) - S</u>	
								od (Soli				
								cabbage eed (<i>Imp</i>			<u>ous foetida</u>	<u> 18) – C</u>
						·			Jaueris	caper	<u> 1818) - C</u>	
D = Dominant	(>50%), A =	= Abundant (26-50	1%), C = C	common (6	-25%), S =	Spars	se (<5º	%)				
Representativ	e Hydrologic	Characteristics (Circle whe	ere appropr	riate)							
Non-Tidal: Pe	rm	Semi Perm.	Sea	sonally	Tida	1	1:	Subtida	ıl.		Irregularly	/ Exposed
Non-Huai. F	Flooded	Flooded	Floo	•	Tiua		'.	Sublida	11		inegulariy	Lxposed
								-				
S	aturated	Intermittently Flooded	Floo	cially	Reg.			FI	ooded		Irregularly	/ Flooded
		Flooded	FIOO	ueu								
Hydrologic Inc	licators:	Silt Deposition	1		Water-St	ained		Water N	Marks			
					Leaves							
		Surface Scou	ring		Drift Line	S		Drainag	ge Patte	rns		
		Buttressed Tr	998		Depth of			Depth t	n Snil S	atura	tion:	
		Dutil C33Cu 11	CC3		Inundation	n:		Бериг	0 0011 0	atura	tion.	
Representativ	e Soil Chara	acteristics:		<u>X</u> M	lineral			0	rganic			
Depth	Horizo	n Textu	re	Mat	rix Color				Redox	Feat	ures/Note	 S
0-8"		Loan	n		YR 2/1							
8-10"		Loan	n	10	YR 2/1			10YR	3/6 co	ncentr	rations (co	mmon)
10-14""		Loan	n	10	YR 2/1			5YR 3/			ons (comr	,
											ottles (few	,
14-18"+		FSL		2.	5Y 5/2			10YR	4/6 coi	ncenti	rations (co	mmon)
Other Soil Ohe	eervatione: /	Area mapped as u	nit 3 Did	aehun/								
Other 30ii Obs	servations. A	чеа таррец аз ц	IIII 3 - Kiu	gebury								
River/Stream	Data: N/A			Per	rennial				Intermit	tent		
Depth @ Cent	ter:	Bank Height:		Channe	l Width			Notes:				
Flow Rate:	Slow	Moderate	Fast		k Configura	tion:			t	Verti	cal	Gradual
Substrate %:	Peat-	Silt-Mud Sand		Grav				Cobbles	Boulde	rs		Artificial
	Muck											
		•	•	•								
Access Route	s											
							_				T	
Nearest Road		Wetland Crossin	g	Stream C				mp Mats	Neede	d	Notes	
Existing access adjacent	5 10du	Y N		Υ	N		ΥN					



Project: Flag Series:		ate Reliability Projec	t		Wetland Town:	ID:		: W20-95a ipton, CT_				
Observers:	J. Stearns	/A. Milliman	W	eather:				I				
Date: 05/17/2	2011				Time:		1400)				_
Dominant NV	NI Class: PF	0	-		Other NV	VI Cla	asses	3:				
Representati	ive Vegetatio	n (Record Species a	nd Occurre	ence Pe	ercentage):							
Trees: Bei	tula alleghani 	ensis A Shrubs:						a alnifolia - dendron v		n - C		
Saplings/Lia	nas: Her	· · · · · · · · · · · · · · · · · · ·			bs/Fo	rbes	:					
	tula alleghani	ensis A) C = Con	nmon (6	: 25%) S = 9	O Ju Sj	nocle uncus pirae	nda cinnar ea sensibil s effusus - a alba- C	lis - S	- C		
		•	-		-	Spars	SE (~	370)				
		C Characteristics (Cir						Louer		1		
Non-Tidal:	Perm.	Semi Perm. Flooded	Seasor Floode	-	Tida		l:	Subtidal			irregulari	y Exposed
S	aturated	Intermittently Flooded	Artificia Floode	-	Reg.			Flo	oded		Irregulari	y Flooded
Hydrologic Ir		Silt Deposition			Water-Sta Leaves	ined		Water M	larks			
Standing wat	ter present	Surface Scourin	g		Drift Lines	i		Drainage	e Patte	rns		
		Buttressed Tree	s		Depth of Inundation	า:		Depth to	Soil S	atura	tion:	
Representati	ive Soil Chara	acteristics:	<u> </u>	N	/lineral			Or	ganic			
Depth	Horizo	n Texture		Mat	trix Color				Redox	Feat	ures/Note	es
0 - 10	Oe	Organic			.5Y 5/1				D			
10+		Fine sandy lo	oam	2.	.51 5/1				Det	netec	I matrix	
Other Soil O	bservations: /	Area mapped as 750	C Hollis-Ch	atfield-f	Rock outcrop	o com	nplex					
River/Stream	n Data: N/A			Pe	rennial			Ir	ntermitt	ent		
Depth @ Ce		Bank Height:			el Width			Notes:				
Flow Rate:	Slow		Fast		k Configurat	tion: I	Unde			Verti	cal	Gradual
Substrate %:	Peat- Muck	Silt-Mud Sand		Gra	vel			Cobbles I	Bouldei	·S		Artificial
Access Rout	es											
Nearest Roa		Wetland Crossing			Crossing			amp Mats		d	Notes	
South Brook Road mile west.	d located 1/3	Y N - X	Y		N- X		Υ		N -X			d to side of

potential access road.



Project: Flag Serie Observer: Date:		CT-Interstate 300-303 J. Stearns/A 05/12/2011	te Reliability Pro	<u>ject</u>		Wetland Town: Weather: Time:								
Dominant	t NW	l Class: PSS				Other NV	VI CI	asse	s: <u>PFO</u>					
Represen	ntativ	e Vegetation	(Record Species	s and Occi	ırrence Pe	rcentage):								
	Carp	rubrum D pinus carolinia va sp. C	nna C			Shrubs:	<u>V</u> <u>E</u> S	accir laeac pirae	s amomum - A nium corymbosu gnus umbellate na tomentosa – C multiflora - S	- A				
Saplings/	Liana	as:				Herbs/Fo	orbes	s:						
			Abundant (26-5()%), C = 0	Common (6	-25%), S = \$	<u>In</u> O C	npati Inocle arex	nda cinnamome ens capensis— C ea sensibilis — D stricta - D 5%)	;				
			Characteristics (**	,		F (/)							
Non-Tidal		Perm.	Semi Perm. Flooded	Sea	sonally ded X		Tida	al:	Subtidal	Irregular	ly Exposed			
		Saturated	Intermittently Flooded	Artifi Floo	icially ded				Reg. Flooded					
Hydrologi	ic Ind	licators:	Silt Depositio	n		Water-Sta			Water Marks:	Pooled water				
Standing	Surface Scouring				Leaves >									
	anding water present Surface Scouring Buttressed Trees -			_		Drift Lines	3		Drainage Patt	erns				
			rees –		Depth of Inundation	า:		Depth to Soil	Saturation: to s	surface				
Represen	ntativ	e Soil Charac	teristics:		(M	lineral			Organio					
Dept	:h	Horizon	Textu	ıre	Mat	rix Color			Redo	x Features/Not	es			
0–14	1"	Ар	FSI		10	YR 3/2				zed rhizospher				
14-18	8"	Bw	FSI	_	2.	5Y 5/2			Wit	h bright mottles	3			
Other Soi	il Obs	servations: A	rea mapped as 1	03 Rippov	vam Fine S	Sandy Loam								
River/Stre	eam l	Data: Yes			Per	rennial			X Interr	nittent				
Depth @	Cent	ter:	Bank Height:		Channe	l Width					ins wetland south			
3"			1-3'		3'				east, define ch	annel dissipate nay continue to	s within ROW ward wetlands to			
Flow Rate		Slow	Moderate	Fast		k Configura	tion:		Undercut	Vertical	Gradual			
Substrate		Peat- Muck	Silt-Mud	Sand	Gra	vel			Cobbles	Boulders	Artificial			
Access R				-				I -						
Nearest F	Road	Crossing	Wetland Crossir	ng	Stream C	rossing		Sw	amp Mats Need	ed Notes				

Pomfret Road

Υ

Project: Flag Series Observers: Date:	s: <u>3</u> <u>J</u>	00-312	e Reliability Proje				Wetland Town: Weather: Time:					<u> </u>
Dominant N	NWI C	lass: <u>PEM</u>	<u> </u>	_			Other NV	VI Cla	asse	s: <u>PFO on fr</u>	inges	
Representa	ative V	egetation/	(Record Species	and Occı	urrence	Per	rcentage):					
Trees: <u>A</u> —	cer ru	brum A at	fringes				Shrubs:	R	osa ı	s amomum - A multiflora – C ula alnus <i>-</i> A		
– Saplings/Li	anas:						Herbs/Fo	- orbes	:			
- - -								0	nocle	ris arundinacea - ea sensibilis – S ens capensis-C	- D	
D = Domina	ant (>	50%), A = .	Abundant (26-509	%), C = C	Commo	n (6-	-25%), S = S	Spars	se (<	5%)		
Representa	ative F	lydrologic (Characteristics (C	circle whe	ere app	ropri	iate)					
Non-Tidal:	Pe	erm.	Semi Perm. Flooded		sonally ded			Tida	al:	Subtidal	Irregula	rly Exposed
	Sa	aturated	Intermittently Flooded	Artifi Floo	icially ded					Reg. Flooded	Irregula	rly Flooded
Hydrologic	Indica	ators:	Silt Deposition				Water-Sta	ained		Water Marks		
Standing w	ater p	resent					Leaves					
			Surface Scour	_			Drift Lines	3		Drainage Patte		
			Buttressed Tre	ees			Depth of Inundation surface	n: to		Depth to Soil S	Saturation: to s	surface
Representa	ative S	Soil Charac	teristics:		<u> </u>	Mi	ineral			Organ	ic	
Depth		Horizon					rix Color				k Features/Not	tes
0 - 16		Ар	10YR 2									
16-20 20+		0	Organi				Black 'R 5/2			Man	. buialet vesttla	
20+		В	Sandy lo	am		31	K 5/2			ivian	y bright mottle	5.
Other Soil	Obser	vations: Ar	ea mapped as 50	A Sutton	Fine S	Sand	y Loam					
River/Strea	m Da	ta: N/A				Per	ennial			Intermit	ttent	
Depth @ C	enter:		Bank Height:				l Width			Notes:		
Flow Rate:	0/4 •	Slow Peat-	Moderate Silt-Mud	Fast Sand		Bank Grav	k Configurat	tion:		Undercut Cobbles	Vertical Boulders	Gradual Artificial
Substrate /	70.	Muck	Olit-ivida	Janu		Orav	761			Copples	Douiders	Artificial
									ı			
Access Ro	utes											
Nearest Ro	oad Cr	rossing	Wetland Crossing	9	Strea	m Cı	rossing		Sw	amp Mats Neede	ed Notes	

900' East of Church Street	Υ	N - X	Υ	N- X	Υ	N -X	Wetland is located to the
							side of ROW but completely
							within property boundary.
							Only west side of wetland
							was delineated.

Project: Flag Series: Observers: Date:	300-303 J. Stearns 05/10/201	1	ect	-	Wetland II Town: Weather: Time:	!	Sunny 1300	klyn, CT y		
Dominant N\						'l Cla	isses:			
	ive Vegetatio er rubrum A_	n (Record Species	and Occ	urrence Pe	rcentage): Shrubs:			benzoin - A s thunbergii – S		
Saplings/Lia	nas:				Herbs/For	<u>To</u>	xicod	lendron radicans s thunbergii – S	: -C	
D = Dominar	nt (>50%), A	= Abundant (26-50)%), C = C	Common (6	-25%), S = S	 parse	e (<5°			
Representati	ive Hydrologi	c Characteristics (Circle whe	ere appropr	riate)					
Non-Tidal:	Perm.	Semi Perm. Flooded		isonally oded X		Tidal	l:	Subtidal	Irregula	rly Exposed
	Saturated	Intermittently Flooded		ficially oded				Reg. Flooded	Irregula	rly Flooded
Hydrologic Ir	ndicators:	Silt Deposition	n		Water-Stai			Water Marks: P	ooled water	
Standing wa	ter present				Leaves X					
		Surface Scou	ring		Drift Lines			Drainage Patter	rns	
		Buttressed Tr	ees –		Depth of Inundation:	:		Depth to Soil Sa	aturation:	
Representati	ive Soil Char	acteristics:		<u>X</u> M	lineral	-		Organic		
Depth	Horizo			Mat	rix Color					
0 - 10 10-18	A B	Loamy S LS	Sand		YR 4/21 YR 7/2			With	 bright mottle	S
Other Soil O	bservations:	Area mapped as 3	4B Merrin	nac SL						
River/Stream	n Data: N/A			Pei	rennial	-		Intermitte	ent	
Depth @ Ce	nter:	Bank Height:		Channe	l Width		1	Notes:		
Flow Rate:	Slow	Moderate	Fast	Ban	k Configurati	on:	ι	Undercut	Vertical	Gradual
Substrate %	Peat- Muck	Silt-Mud	Sand	Gra	vel			Cobbles	Boulders	Artificial
Access Rout	es									
Nearest Roa	d Crossing	Wetland Crossin		Stream C			Swar	mp Mats Needed	d Notes	
Day Road		Y N	- X	Υ	N- X		Υ	N - X		



Project: Flag Series: Observers: Date:	CT-Intersta 300-305 J. Stearns 05/10/201	_	ject		Wetland Town: Weather: Time:						- - -
Dominant N	WI Class: PF	0			Other NV	VI CI	asses	3:			
Representat	ive Vegetatior	(Record Specie	s and Occi	ırrence Pe	ercentage):						
<u>Ca</u>	er rubrum A rpinus carolin rya sp. C	iana A	<u> </u>		Shrubs:	<u>B</u>	Berber ex ve	a benzoin - A is thunbergii – rticillata C ium corymbosi			
Saplings/Lia	nas:		-		Herbs/Fo	rbes	 3:				
 			- - -			В	Berber	nda cinnamome is thunbergii – dendron radica	S		
D = Domina	nt (>50%), A =	Abundant (26-5	- 0%), C = C	ommon (6	5-25%), S = S	Spar	se (<	5%)			
Representat	ive Hydrologic	Characteristics	Circle whe	re approp	riate)						
Non-Tidal:	Perm.	Semi Perm. Flooded		sonally ded X		Tida	al:	Subtidal	II	rregularl	y Exposed
	Saturated	Intermittently Flooded	Artifi Floo	cially ded				Reg. Flooded	d I	rregularl	y Flooded
Hydrologic I		Silt Deposition	n		Water-Sta			Water Marks	: Pooled	l water	
		Surface Scot	ıring		Drift Lines	3		Drainage Pa	tterns		
		Buttressed T	rees –		Depth of Inundation	ո։		Depth to Soil	l Saturati	ion: to s	urface
Representat	ive Soil Chara	cteristics:		. N	1ineral			Organ	ic		
Depth	Horizo		ıre	Mat	trix Color				ox Featu	res/Note	es
0 - 16	Ap	FSI	<u></u>	10	YR 2/1						
16-20 20+	B B	FSI FSI		l	5Y 4/2 5 Y 4/3				ith faint/ ith faint		
						+					
Other Soil C	bservations: A	Area mapped as 4	17C Woodl	ridge Fine	e Sandy Loa	m					
River/Strear	n Data: N/A			Pe	rennial			Interm	nittent		
Depth @ Ce	nter:	Bank Height:		Channe	el Width			Notes:			
Flow Rate:	Slow	Moderate	Fast		k Configurat	tion:		Undercut	Vertic		Gradual
Substrate %	: Peat- Muck	Silt-Mud	Sand	Gra	vel			Cobbles	Bould	lers	Artificial
Access Rou	tes										

Stream Crossing

N- X

Υ

Swamp Mats Needed

N -X

Notes

fringe of ROW.

Wetland is located at the north

Nearest Road Crossing

Hartford Pike is approx. 1/2

north.

Wetland Crossing

N - X



Project: Flag Series:		te Reliability Projec			Wetland Town:			# W20-170 ngly, CT				
Observers:		J. Berg		_	Weather			ny				
Date: 05/9/20)11				Time:		1000	0				_
Dominant NV	VI Class: PSS	8			Other NV	VI Cla	asse	s: <u>PFO</u>				
-	_	(Record Species a			rcentage): A	Area d	distur	rbed by uti	ility pol	e stru	cture insta	llation,
Trees: Pin	us strobes-C	Shrubs:				Co	ornu	ula alnus - s amomur num recogi	n - C	С		
		· · · · · · · · · · · · · · · · · · ·						ucus cana				
Saplings/Liar	nas: Her				bs/Fo	orbes:						
 	N/A Dominant (>5	50%), A = Abundani	t (26-50)%). C = Co	ommon (6-2	Ca Sa Sp	arex olida oirae	ea sensibi stricta - C go sp C ea alba- C Sparse (</td <td></td> <td></td> <td></td> <td></td>				
		Characteristics (Cir				- · · · / ,			,			
Non-Tidal:	Perm.	Semi Perm. Flooded		sonally oded X	Tida		l:	Subtida	l		Irregularly	Exposed
S	aturated	Intermittently Flooded		icially oded	Reg.			Flo	ooded		Irregularly	Flooded
Hydrologic In	dicators:	Silt Deposition			Water-Sta			Water N	/larks -	Х		
Standing wat	er present	Surface Scourin	n X		Drift Lines			Drainag	e Patte	erns -	X	
		Buttressed Tree			Depth of			_			tion: soil s	surface
		Data Gooda 1100			Inundation	n: 2 ir	1	Борин		Juliulu		, a. 1400
Representati	ve Soil Charac	cteristics:		<u>X</u> M	lineral			O	rganic			
Depth	Horizor				rix Color						ures/Notes	3
0 - 12 12+	A B	Fine sandy le			YR 2/1 5Y 5/3						eatures pleations	
		, me canay n	-		0.0.0					0,1 00	p.004.07.10	
Other Soil Ob	servations: A	rea mapped as 61E	3 – Can	ton and Ch	arlton very	stony						
River/Stream	Data: N/A			Per	rennial			X	Interm	ittent		
Depth @ Cer	nter:	Bank Height: 1'		Channe	el Width 2'			Notes: Di located s				e Rd wetland
Flow Rate:	Slow X	Moderate Fast			k Configura	tion: l	Jnde			Verti	cal	Gradual
Substrate %:	Peat- Muck	Silt-Mud Sand	X	Gravel X				Cobbles	Boulde	ers		Artificial
Access Route	es											
Nearest Road	_	Wetland Crossing		Stream C				amp Mats	Neede	ed	Notes	
rave whom incated	20 IEEL SOULI	Y N X		Y	N X		ΥN	N				

Project: Flag Series:	CT-Intersta 400 – 406	ate Reliability Pro		_	Wetland Town:		NU# W20-17 Killingly, CT_				
Observers: Date: 05/9/20		J. Berg			Weather Time:		Sunny 1200				
Dominant NW		S	· 		Other N\		sses:				
-	_	(Record Species		urrence	Percentage): A	Area di	isturbed by u	tility pole	struc	cture instal	lation,
Trees:	N/A Shrub	os:				-	onia ligustrin				
			-				ornus amomu angula alnus				
			-				angula amus iraea toment				
Conlings/Lion	oo: Hor				bo/⊑r	orbes:					
Saplings/Lian					DS/F0			_			
	N/A						arex stricta - S irpus cyperin				
			-			30	приз сур с пп	ius - C			
			-								
	===					_					
		Abundant (26-50				Sparse	e (<5%)				
Representativ	e Hydrologic	Characteristics	(Circle whe	ere appr	opriate)						
Non-Tidal:	Perm.	Semi Perm.		sonally	Tida	I	: Subtida	al		Irregularly	Exposed
		Flooded	Floo	ded							
S	aturated	Intermittently		icially	Reg.		F	looded	1	Irregularly	Flooded
		Flooded	Floo	ded							
Hydrologic Inc	dicators:	Silt Deposition	n		Water-Sta	ained	Water	Marks - 2	X		
Standing water	er present				Leaves						
		Surface Scou	ıring		Drift Lines	S	Draina	ge Patte	rns - 2	X	
		Buttressed T	rees		Depth of Inundation	n:	Depth	to Soil S	aturat	tion: soil s	urface
Representativ	e Soil Chara	cteristics:		K	_ Mineral		C	Organic			
Depth	Horizo			N	Matrix Color			Redox	Featu	res/Notes	
0 - 8 8-16	Ap B	Fine sand			10YR 2/1 10YR 5/2		NA.	any briak	st 10\	∕R 4/6 mot	tloo
0-10	В	Fine sand	iy ioaiii		101R 3/2		IVI	arry brigi	11 101	K 4/0 IIIUL	ues
Other Soil Ob	servations: A	Area mapped as 6	62C – Can	ton and	Charlton extre	mely s	stony				
River/Stream	Data: N/A			I	Perennial	-		Intermitt	ent		
Depth @ Cen	ter:	Bank Height:		Char	nnel Width		Notes:				
Flow Rate:	Slow	Moderate	Fast		Bank Configura	tion: U			Verti	cal	Gradual
Substrate %:	Peat- Muck	Silt-Mud Sand		G	Gravel		Cobbles	Boulde	S		Artificial
	<u> </u>										
Access Route	es										
Nearest Road	I Crossing	Wetland Crossin	ng	Stream	n Crossing		Swamp Mats	s Neede	d	Notes	
Lake Road located	-	Y N		ΥN			YN				



Project: CT-Interstate Reliability Project Wetland ID: W20-181A <u>400 – 406</u> Flag Series: Town: Putnam, CT Observers: T. O'Sullivan/J. Berg 70° F, partly sunny, humid Weather: Date: 4/26/11 Time: ~ 1:40 PM Dominant NWI Class: PSS Other NWI Classes: PEM Representative Vegetation (Record Species and Occurrence Percentage): Shrubs: Rhamnnus frangula - A Trees: N/A Rosa multiflora - C Lonicera tatarica - C Saplings/Lianas: Herbs/Forbes: Toxicodenron radicans - S Polygonum sagitattum - A Juncus effusus - C Carex stricta - C D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Indicate where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Tidal: Subtidal Irregularly Exposed Flooded Flooded Flooded X Saturated X Intermittently Artificially Irregularly Flooded Reg. Flooded Flooded Flooded Hydrologic Indicators: Silt Deposition Water-Stained Water Marks Leaves X Area ponded to 10-16" Surface Scouring **Drift Lines** Drainage Patterns **Buttressed Trees** Depth of Depth to Soil Saturation: Inundation: 10-16" Representative Soil Characteristics: Χ Mineral Organic Depth Horizon Texture Matrix Color Redox Features/Notes Mucky, Very Fine 0 – 11' 2.5/N Α Sandy Loam 11-16" Bg Fine Sandy Loam 10YR5/2 10YR5/4 Refusal at 16" Other Soil Observations: Isolated wetland. River/Stream Data: NA Perennial: Intermittent: Depth @ Center: Channel Width: Bank Height: Notes: Flow Rate: Slow Moderate Bank Configuration: Undercut Gradual Fast Vertical

Access Routes

Substrate %:

Peat-

Muck

Silt-Mud

Sand

Nearest Road Crossing	Wetla	nd Crossing	Stream Cros	ssing	Swamp Mat	s Needed	Notes
~ 800 feet SW to Park Road	Υ	N X	Y	N	Y	N	

Gravel

Cobbles

Boulders

Artificial

Project: CT-Interstate Reliability Project Wetland ID: W20-181B Flag Series: 300 - 306Town: Putnam, CT Observers: T. O'Sullivan/J. Berg 70° F, partly sunny, humid Weather: Date: 4/26/11 Time: ~ 2:20 PM Dominant NWI Class: PFO Other NWI Classes: Representative Vegetation (Record Species and Occurrence Percentage): Quercus palustris - A Shrubs: Vaccinium corymbosum - A Trees: Pinus strobes - C Ilex verticillata - C Quecrus bicolor - C Saplings/Lianas: Herbs/Forbes: NA Toxicodenron radicans - S D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Indicate where appropriate) Non-Tidal: Perm. Semi Perm. Tidal: Seasonally Subtidal Irregularly Exposed Flooded Flooded Flooded X Reg. Flooded Irregularly Flooded Saturated X Intermittently Artificially Flooded X Flooded Water-Stained Water Marks X Hydrologic Indicators: Silt Deposition Leaves X Area ponded to 8-10" Drainage Patterns Surface Scouring **Drift Lines Buttressed Trees** Depth of Depth to Soil Saturation: Inundation: 10-16" Representative Soil Characteristics: Mineral Organic Depth Horizon Texture Matrix Color Redox Features/Notes 0 – 12" Mucky, Very Fine Α 2.5/N Sandy Loam 12-16x +" Fine Sandy Loam 10YR5/2 10YR5/4 Bg Other Soil Observations: Isolated wetland. River/Stream Data: NA Perennial: Intermittent: Depth @ Center: Bank Height: Channel Width: Notes: Flow Rate: Slow Moderate Fast Bank Configuration: Undercut Vertical Gradual Silt-Mud Sand Cobbles Artificial Substrate %: Peat-Gravel Boulders Muck

Access Routes

Nearest Road Crossing	Wetla	nd Crossing	Stream Cros	ssing	Swamp Mat	s Needed	Notes
~ 450' feet SW to Park Road	Υ	N X	Υ	N	Υ	N	

Project: CT-Interstate Reliability Project Wetland ID: W20-182A Flag Series: 300 - 305Town: Putnam, CT Observers: T. O'Sullivan/J. Berg Weather: 70° F, partly sunny, humid Date: 4/26/11 Time: ~ 1:00 PM Dominant NWI Class: PSS Other NWI Classes: PEM Representative Vegetation (Record Species and Occurrence Percentage): Shrubs: Trees: N/A Lyonia ligustrina - A Vaccinium corymbosum - C Spiraea tomentosa - C Saplings/Lianas: Herbs/Forbes: Smilax rotundifolia Symplocarpus foetidus - A Juncus effusus - C Onoclea sensibilis - C D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%) Representative Hydrologic Characteristics (Indicate where appropriate) Non-Tidal: Perm. Semi Perm. Seasonally Tidal: Subtidal Irregularly Exposed Flooded Flooded Flooded X Saturated X Intermittently Artificially Irregularly Flooded Reg. Flooded Flooded Flooded Hydrologic Indicators: Silt Deposition Water-Stained Water Marks Leaves X Area ponded Surface Scouring X **Drift Lines** Drainage Patterns X **Buttressed Trees** Depth of Depth to Soil Saturation: Inundation: Representative Soil Characteristics: Χ Mineral Organic Depth Horizon Texture Matrix Color Redox Features/Notes 0 - 14'Mucky, Very Fine 10 YR 2/1 Α Sandy Loam 14-16" Bw Fine Sandy Loam 10YR3/4 16-20"+ Bg Fine Sandy Loam 10YR4/2 Common, 10YR6/6 Other Soil Observations: Isolated wetland, intermittent stream discharges from wetland and infiltrates into upland. River/Stream Data: Intermittent: X Perennial: Depth @ Center: 2-3" Bank Height: 6-12" Channel Width12-18" Notes:

Access Routes

Flow Rate:

Substrate %:

Moderate

Silt-Mud

Fast

Sand X

Slow

Peat-

Muck

Nearest Road Crossing	Wetland Crossing		Stream Crossing		Swamp Mats Needed		Notes
~ 2,200 feet north to RT 12	Υ	NX	Υ	N X	Y	N X	

Gravel X

Bank Configuration:

Undercut

Cobbles

Vertical

Boulders

Gradual

Artificial

Appendix E

2011 Representative Site Photographs



W20-39A



W20-45A



W20-154A



East view of W20-159A



South view of W20-160B



West view of W20-161A



East view of W20-170A



South view of W20-171A



West view of W20-181A



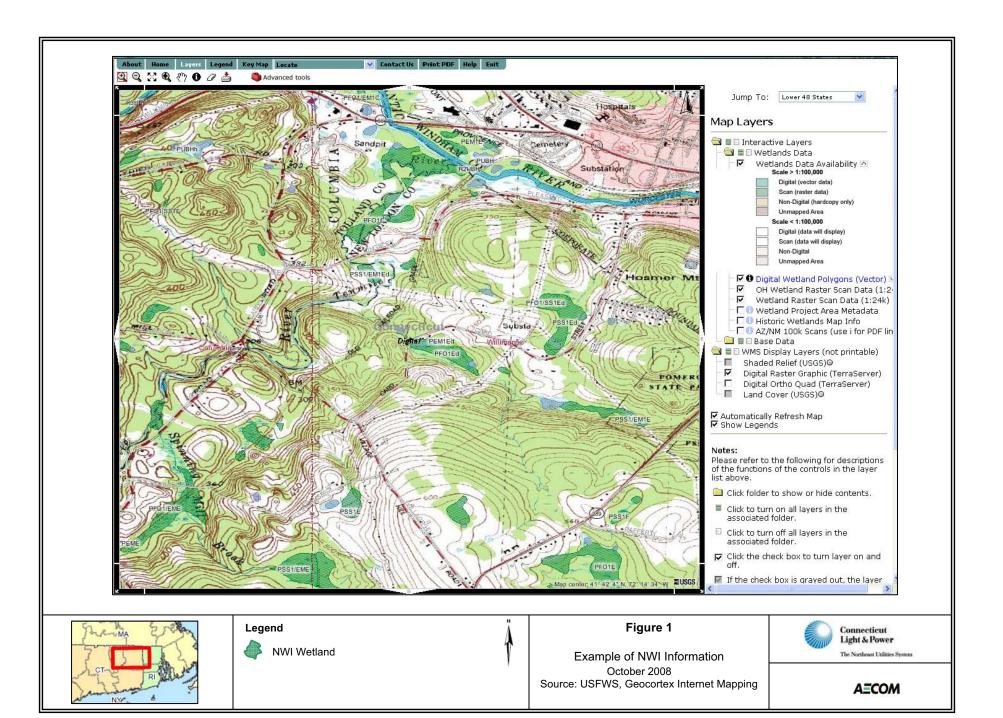
West view of W20-181B

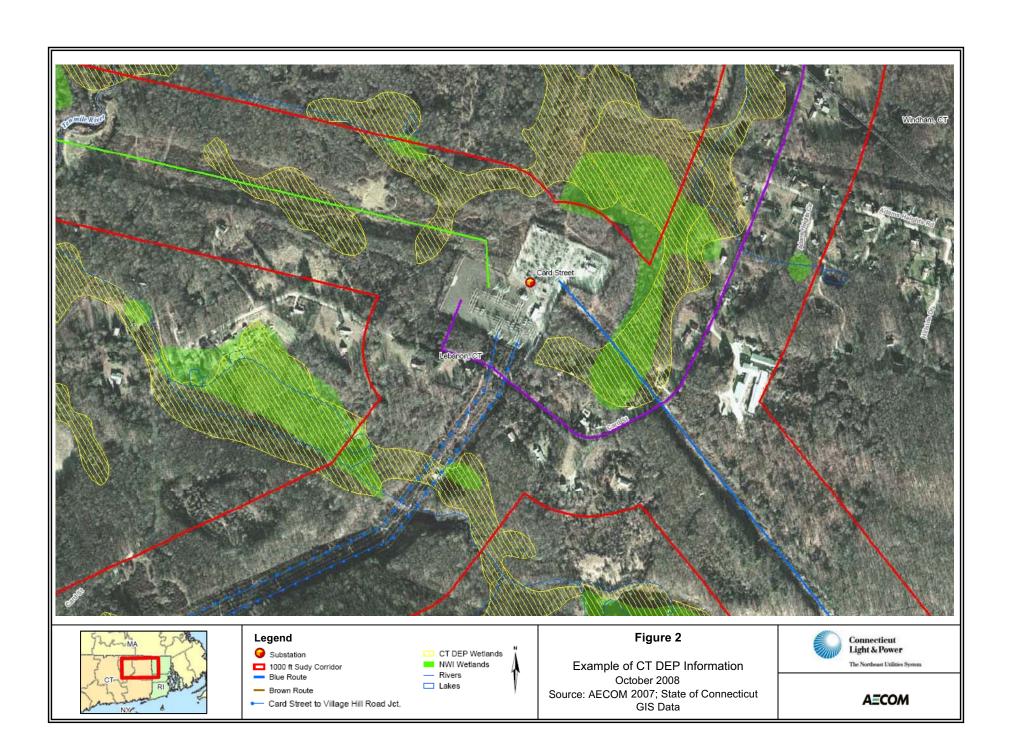


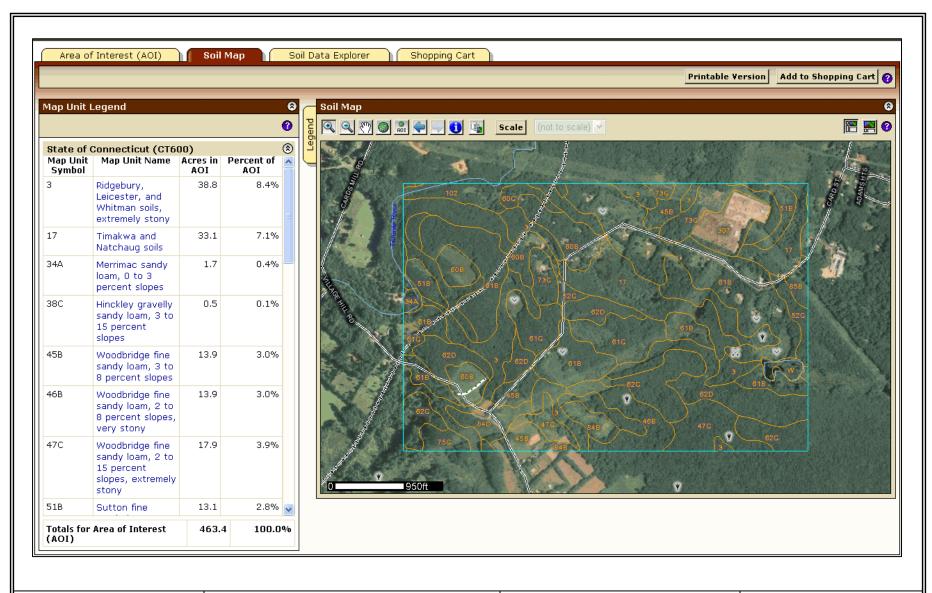
Southeast view of W20-182A

Appendix F

Hydric Soils Wetland Mapping Resources









Legend Map Unit Symbol



Figure 3

Example of Soil Survey Information October 2008 Source: NRCS, Web Soil Survey 2.0



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