Appendix A

Wetlands Field Assessment

NEW ENGLAND ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTING SERVICES

October 8, 2009

Mr. Erik Mas, P.E.
Fuss and O'Neill Inc.
78 Interstate Drive
West Springfield, MA 01089

RE: Wetlands Assessment
North Branch Park River Watershed Evaluation
Bloomfield, Connecticut

Dear Mr. Mas:

New England Environmental, Inc. (NEE) completed an assessment of nine representative wetlands within the Park River watershed on September 14, 2009. This assessment was performed by Bruce Griffin, who is a Professional Wetland Scientist and a Certified Professional Soil Scientist. He was accompanied by Mary Rickel Pelletier, Project Director of the Park River Revitalization Initiative, at all the sites except the last, at Dudley Town Pond. Corps of Engineers Highway Method Wetland Function-Value Evaluation forms were completed for each wetland, and submitted previously. This report further describes conditions found at these sites, and compares them to the findings of the 1985 "Inland Wetlands of Bloomfield" report by Inwoods Environmental Consultants.

BLUE HILLS RESERVOIR

This assessment was limited to the southwestern portion of the Blue Hills reservoir. The reservoir lies within the watershed of the east branch of Beaman Brook. The 1985 report lumped into wetland #34 the reservoir, headwater wetlands upstream, and downstream wetlands leading to the main stem of Beaman Brook. Our assessment transect passed through wet meadow and marsh in the open southern end of the site, shrub habitat and a small stream walking north, a recreational field which contains large patches of mown wet meadow, a Red Maple swamp adjacent to another stream north of the field, mixed shrub/herbaceous and wetland/upland in a power line easement, and exited along the reservoir dike. The reservoir (which is not normally flooded) contains a mosaic of uplands as well as wetlands. As noted in the 1985 report, this is a diverse and rich habitat, protected as open space. Aside from ongoing maintenance of the recreational field and the power line corridors, and its function as flood control in extreme storm and meltwater events, it will remain a large unit of undisturbed habitat. The site contains multiple circles on the CTDEP Natural Diversity Data Base (NDDB) map. Although our transect did not run through any potential vernal pools, there is a possibility of their being found in wooded areas north and east of our route.

SCHOOL STREET – WHEELER PARK

Wheeler Park is located in a former agricultural field west of School Street. It is maintained in an

open condition by seasonal mowing. It incorporates both wetland #30 and a portion of wetland #26 from the 1985 report. It was mown in late summer 2009, and this may be a consistent policy to preserve grassland bird breeding capacity. The mowing, grazing, and agricultural practices noted in 1985 are now eliminated or limited, improving the habitat functions and reducing erosional potential. Its park status and location adjacent to Bloomfield Middle School enhance its capacity to provide educational and recreational functions. Its groundwater and surface water quality functions remain important.

COPACO SHOPPING MALL

The wetlands assessed were a portion of the #4 wetlands in the 1985 report. The area we visited was located west of the shopping center parking lot and east of Goodman Street. Although much of this area was altered in the past and continues to be impacted by stormwater from the shopping center and other nearby impervious areas, a square-shaped wooded portion in the southeast corner remains relatively undisturbed. Open water and marsh dominate the northern end of this wetland. Four distinct vernal pools (breeding habitat not confirmed) are evident within the undisturbed woods. One of them held a small amount of water on September 14, while the other three were dry. Because of the large amount of water directed to these wetlands from developed areas, they provide important water quality functions.

CROYDON DRIVE

Croydon Drive runs along the northern border of West Hartford, and the wetlands are contained in the forested area north of the residential development along Croydon Drive and several other subdivision roads connecting to it. Much or all of the forested swamp designated as wetland #5 in the 1985 report is hydrologically isolated on the surface, and contains potential vernal pool habitat in isolated depressions. The 1985 assessment classified this area with low wildlife habitat function, due to the assessment matrix used, which did not take into account important connectivity and contextual qualities. The area is connected to a long stretch of the north branch of the Park River by relatively undisturbed forest, and contains tightly interspersed wetlands and uplands.

HOE POND

Hoe Pond is located on the border of Bloomfield and Avon, and is roughly bisected by the town line. It occupies an unusual place in the landscape for a pond, near the top of a stony ridge with steep slopes nearby on the west and east. It is not included in the 1985 report, but its outlet stream flows east from the Metacomet Ridge to MDC Reservoir #6. Hoe Pond is impounded by a dam at the south end, and its outlet flows intermittently though an extremely rocky channel to the east. Emergent wetlands along the shore are narrow. The pond and its shoreline are on private land, but this land is surrounded on three sides by Talcott Mountain State Park. The south end is covered by a habitat circle on the NDDB map.

CLIFFMONT OPEN SPACE

This small isolated wetland, #20 in the 1985 report, is within a pocket of open space in the middle of a mature residential development, and probably has changed very little since 1985. It is in a wooded depression with no outlet, and does not apparently hold standing water for an extended period. It has a groundwater recharge function, and provides limited wildlife habitat and educational/recreational opportunities within its residential setting.

SUNSET LANE AND VALLEY VIEW DRIVE

This is a wetland fragmented and altered by agricultural use (now reduced to a single corn field) and residential development. The 1985 report designated this as wetland #23, and noted a heavy sediment load from adjacent residential construction. While the corn field and surrounding residential neighborhoods continue to exert pressure on this wetland corridor, it remains a diverse system providing important functions, especially with respect to water quality. The main stream running through the middle of the corridor drains east to Wash Brook. We saw a marsh south of Sharon Lane, identified as a cat-tail marsh in 1985, which is now dominated by Common Reed (*Phragmites australis*) as seen from the road. North of Sharon Lane is a patchwork of Red Maple swamp, marsh, and shrub/scrub habitat. From the west end of Ryefield Hollow Drive, we walked to the bottom of the corn field on the west side of the stream, and observed extensive wetland vegetation in the bottom of the plowed field. We also walked to open water (a small pond west of Countryview Drive) past a wet meadow covered with Reed Canary-grass, and along an open stream channel bordered by Alders and other shrubs. From the end of Valley View Drive, we accessed the wooded swamp adjacent to the main stream as it turns east. There are some shallow potential vernal pools in this area, and also some trash and abandoned vehicles and equipment, as noted in the 1985 report. The northernmost section of woods, extending to Terry Plains Road, is within a circle on the NDBB map. We did not explore this portion of the system, which drains south toward the main stream.

ADAMS ROAD TO DUNCASTER HOLLOW

The wetland complex assessed in 2009 is within the northern, headwaters portion of a very large wetland system, #38 in the 1985 report. We assessed that portion which is north of Adams Road and south of Duncaster Hollow. This is a patchwork of old farm land in various stages of regeneration, from second growth forest to recently abandoned fields. From Adams Road, we walked through wet meadow, shallow marsh, and shrub/scrub patches. Among the diverse wetland vegetation, we noted a rare plant, Swamp Lousewort (*Pedicularis lanceolata*), which is listed as Threatened in Connecticut. A circle on the NDDB map touches the southwestern corner of the wetlands we assessed, where the plant was found. We also accessed this wetland along an old farm road which extends from Duncaster Road to Harvest Lane, which runs along the northern edge of a large open field, apparently farmed until recently. The eastern end of the field is dominated by wetland vegetation, and beyond the edge of the field is a wooded swamp. North of the old farm road is a dammed farm pond, surrounded by woods on three sides. As noted in 1985, this is a diverse,

functionally rich wetland system.

DUDLEY TOWN POND

Dudley Town Pond lies at the top of the western branch of Beaman's Brook. Commercial and industrial development along Dudley Town Road borders it to the east. A very large warehouse complex was recently built to the northwest, and a large area which was previously forested to the west has now been cleared and is being regraded. Emergent wetlands extend out from the pond to the north and northwest. The pond and these wetlands are generally protected by a forested buffer in most places, but the pond is suffering from eutrophication. On September 14, it was almost completely covered with a thick, green, evil-smelling scum. Ducks were landing in the water at the northern end of the pond despite the algae, but the southern end was so solidly covered it looked like artificial turf. We walked through wooded swamp along the northwestern branch down to an open cat-tail marsh adjacent to the pond, and walked down through upland woods to the pond edge from an industrial parking lot behind one of the Dudley Town Road buildings. With the exception of the wetlands along the stream corridors to the north and northwest, the wetland fringe around the pond is narrow. The pond drains south toward the Wintonbury reservoir, and is included in 1985 wetland #35 along with the reservoir. The 1985 function sheet lists under upstream impacts, "direct runoff from surrounding industries into the pond." However, it does not mention eutrophication, and specifically mentions diverse wildlife use around the pond. It appears that there has been significant degradation since 1985.

We hope this information is useful in assessing the state of the North Branch watershed. The assessed wetlands range from completely isolated to fully integrated with watercourses, from small to large, from degraded to relatively pristine, and include the full range of wetland types, often in combination. If you have any questions regarding this report, please do not hesitate to contact us at our office.

Sincerely,
New England Environmental Inc.

Bruce Griffin, PWS
Senior Scientist

Wetland Function-Value Evaluation Form

Total area of wetland 7.50 AC Human made? NO Is wetland part of a wildlife corridor? YES or a "habitat island"?_____

Adjacent land use RESIDENTIAL, COMMERCIAL, UNDEVELOPED Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present FORESTED, SHALLOW MARSH Contiguous undeveloped buffer zone present IN PART

Is the wetland a separate hydraulic system? NO If not, where does the wetland lie in the drainage basin? UPPER PART (BEAMAN BROOK)

How many tributaries contribute to the wetland? 3 OR MORE Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. BLUE HILLS RES. (PART OF 34)

Latitude_____ Longitude_____

Prepared by: BG Date 14SEP09

Wetland Impact: N/A

Type_____ Area_____

Evaluation based on:

Office ✓ Field ✓

Corps manual wetland delineation completed? Y_____ N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		4,5,7,9,12,15		
Floodflow Alteration	✓		2,3,5,6,8,9,10,11,12+	X	FLOOD CONTROL DIKE AT WESTERN MARGIN
Fish and Shellfish Habitat	✓		1,4,8,14,16,17		
Sediment/Toxicant Retention	✓		2,3,4,5,7,8,10,11,12,15+		
Nutrient Removal	✓		3,4,5,7,8,9,10,11,12,13,14		
Production Export	✓		1,2,4,5,7,8,10,14,12	X	
Sediment/Shoreline Stabilization	✓		2,4,7,9,12,13,14		
Wildlife Habitat	✓		3,4,6,8,9,10,15,17,19,20,21	X	
Recreation	✓		4,5,7,10,11,12,13*		* OPEN FIELD USED FOR FLYING MODEL PLANES
Educational/Scientific Value	✓		1,2,3,5,9,11,16		
Uniqueness/Heritage	✓		4,5,7,12,17,19,22,23+		
Visual Quality/Aesthetics	✓		1,2,3,5,6,8,9,12		
ES Endangered Species Habitat	✓		1*		*ON CTDEP NDDB MAP (RARE SPP. + IMPORTANT NATURAL COMMUNITIES)
Other					

Notes:

*Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

WHEELER PARK

Total area of wetland 7.7 AC Human made? NO Is wetland part of a wildlife corridor? YES or a "habitat island"? _____

Adjacent land use RESIDENTIAL + INSTITUTIONAL S+E, OPEN N+W Distance to nearest roadway or other development ABUTS SCHOOL ST.

Dominant wetland systems present WET MEADOW Contiguous undeveloped buffer zone present YES, N+W

Is the wetland a separate hydraulic system? NO If not, where does the wetland lie in the drainage basin? MIDDLE (LOWER BEAMAN BROOK)

How many tributaries contribute to the wetland? 1 OUTLET Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. SCHOOL ST. #30+26

Latitude _____ Longitude _____

Prepared by: BG Date 14SEP09

Wetland Impact: N/A

Type _____ Area _____

Evaluation based on:

Office ✓ Field ✓

Corps manual wetland delineation completed? Y _____ N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		5,7,10		
Floodflow Alteration	✓		5,6,9,10,11,12,18		
Fish and Shellfish Habitat		✓			
Sediment/Toxicant Retention	✓		3,4,7,8,13,16		
Nutrient Removal	✓		3,4,7,8,9,10,11,14	X	
Production Export	✓		1,2,7,10,12		
Sediment/Shoreline Stabilization	✓		2,5,7,12,13,15		
Wildlife Habitat	✓		3,6,7,8,13,21,23*	X	*SEASONAL MOWING FOR GRASSLAND BIRDS
Recreation	✓		1,4,10,11,12		
Educational/Scientific Value	✓		2,5,6,8,9,10,13	X	
Uniqueness/Heritage	✓		8,9,10,12,13,15,16,19+		
Visual Quality/Aesthetics	✓		1,4,5,7,8,9,11,12		
ES Endangered Species Habitat		✓			
Other					

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 7.15 AC Human made? NO Is wetland part of a wildlife corridor? NO or a "habitat island"? YES

Adjacent land use ROADS + SHOPPING MALL + STORMWATER STRUCTURES Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present FORESTED, DEEP MARSH Contiguous undeveloped buffer zone present NO

Is the wetland a separate hydraulic system? NO If not, where does the wetland lie in the drainage basin? MIDDLE (→ NORTH BRANCH)

How many tributaries contribute to the wetland? NONE Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. COPACO TO GOODMAN ST. (PART OF #4)

Latitude _____ Longitude _____

Prepared by: BG Date 14SEP09

Wetland Impact: N/A

Type _____ Area _____

Evaluation based on:

Office ✓ Field ✓

Corps manual wetland delineation completed? Y _____ N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		5, 7, 15		
Floodflow Alteration	✓		3, 4, 5, 6, 7, 8, 9, 12, 18		
Fish and Shellfish Habitat		✓	17		
Sediment/Toxicant Retention	✓		1, 2, 3, 4, 5, 7, 8, 10, 12, 13+	X	MUCH STORMWATER PASSES THROUGH THIS WETLAND
Nutrient Removal	✓		2, 3, 5, 6, 7, 8, 9, 10, 14		
Production Export	✓		1, 2, 4, 7, 8, 10, 12		
Sediment/Shoreline Stabilization	✓		2, 3, 8, 9, 10, 12, 13		
Wildlife Habitat	✓		6, 7, 8, 10, 11, 18, 19, 20, 23	X	VERNAL POOLS WITHIN WOODED SWAMP
Recreation		✓	5, 10, 12		
Educational/Scientific Value	✓		3, 7, 8, 9, 14		
Uniqueness/Heritage	✓		1, 5, 6, 7, 8, 9, 12, 13		
Visual Quality/Aesthetics		✓	1, 2		EXTERNAL VIEWS POOR, INTERNALLY ATTRACTIVE
ES Endangered Species Habitat		✓			
Other					

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 7.10AC. Human made? NO Is wetland part of a wildlife corridor? YES or a "habitat island"?

Adjacent land use RESIDENTIAL S., UNDEVELOPED E,N,W Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present WOODED SWAMP Contiguous undeveloped buffer zone present ON 3 SIDES

Is the wetland a separate hydraulic system? YES If not, where does the wetland lie in the drainage basin?

How many tributaries contribute to the wetland? NONE Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. N. OF CROYDON DR. #5

Latitude Longitude

Prepared by: BG Date 14SEP09

Wetland Impact: N/A

Type Area

Evaluation based on:

Office ✓ Field ✓

Corps manual wetland delineation completed? Y N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		5, 9, 15		OLD AGRICULTURAL DITCHES BETWEEN POOLS
Floodflow Alteration	✓		3, 5, 6, 7, 8, 9, 18		MAY HAVE NO OUTLET
Fish and Shellfish Habitat		✓	1		
Sediment/Toxicant Retention	✓		1, 3, 4, 5, 7, 8		
Nutrient Removal	✓		1, 3, 4, 5, 7, 8, 9, 10	X	
Production Export	✓		1, 2, 4, 7, 12, 14		
Sediment/Shoreline Stabilization		✓			
Wildlife Habitat	✓		3, 5, 7, 8, 10, 11, 13, 17, MH	X	INCLUDES VERNAL POOLS
Recreation	✓		4, 5, 7		
Educational/Scientific Value	✓		2, 5, 13, 14		
Uniqueness/Heritage	✓		5, 6, 10, 16, 19		
Visual Quality/Aesthetics	✓		3, 7, 8, 9		
ES Endangered Species Habitat		✓			
Other					

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland >15 AC. Human made? YES Is wetland part of a wildlife corridor? YES or a "habitat island"? _____

Adjacent land use 2 RESIDENCES, MOSTLY FOREST Distance to nearest roadway or other development 100'

Dominant wetland systems present OPEN WATER Contiguous undeveloped buffer zone present MOSTLY

Is the wetland a separate hydraulic system? NO If not, where does the wetland lie in the drainage basin? HEADWATER

How many tributaries contribute to the wetland? NONE Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. HOE POND

Latitude _____ Longitude _____

Prepared by: BG Date 14SEP09

Wetland Impact: N/A

Type _____ Area _____

Evaluation based on:

Office ✓ Field ✓

Corps manual wetland delineation completed? Y _____ N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		7,9,12		EVIDENCE OF FRACTURED BEDROCK NEARBY
Floodflow Alteration	✓		1,2,3,7,9,15		DAM AT SOUTH END
Fish and Shellfish Habitat	✓		1,9,10		POND MAY SUPPORT FISH
Sediment/Toxicant Retention	✓		3,5,6,8,10,12		
Nutrient Removal	✓		1,2,3,5,13		
Production Export	✓		1,2,4,5,12		
Sediment/Shoreline Stabilization	✓		10,11,12		
Wildlife Habitat	✓		1,3,4,5,6,7,8,12,19+	X	
Recreation	✓		5,6,7,8		
Educational/Scientific Value	✓		1,2,5,12,14		
Uniqueness/Heritage	✓		3,10,14,16,17,18,19,21+	X	
Visual Quality/Aesthetics	✓		2,5,6,8,9,10,11,12		
ES Endangered Species Habitat	✓		1		SOUTH END ON CTDEP NDDB MAP
Other					

Notes:

*Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

#20

Total area of wetland ~35K # Human made? NO Is wetland part of a wildlife corridor? NO or a "habitat island"? YES

Adjacent land use RESIDENTIAL Distance to nearest roadway or other development ADJACENT LAWN

Dominant wetland systems present FORESTED SWAMP Contiguous undeveloped buffer zone present YES (SMALL)

Is the wetland a separate hydraulic system? YES If not, where does the wetland lie in the drainage basin?

How many tributaries contribute to the wetland? NONE Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. CLIFFMONT/BURNWOOD

Latitude Longitude

Prepared by: BG Date 14SEP09

Wetland Impact: N/A

Type Area

Evaluation based on:

Office ✓ Field ✓

Corps manual wetland delineation completed? Y N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		5, 15	X	
Floodflow Alteration	✓		3, 5, 6, 7, 8, 9		NO OUTLET
Fish and Shellfish Habitat		✓			
Sediment/Toxicant Retention	✓		3, 4, 5, 8, 9		
Nutrient Removal	✓		3, 4, 7, 8, 10		
Production Export	✓		1, 2, 4, 7, 12, 14		
Sediment/Shoreline Stabilization		✓			
Wildlife Habitat	✓		3, 8, 11, 17, 23		
Recreation	✓		4, 11, 12		
Educational/Scientific Value	✓		2, 7, 13		
Uniqueness/Heritage	✓		1, 5, 10, 16, 17, 19	X	SMALL WETLAND IN OPEN SPACE WITHIN SUBDIVISION
Visual Quality/Aesthetics	✓		7, 9, 10, 11, 12		
ES Endangered Species Habitat		✓			
Other					

Notes:

*Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

#23

Total area of wetland >50 AC. Human made? NO Is wetland part of a wildlife corridor? YES or a "habitat island"?

Adjacent land use AGRICULTURAL, RESIDENTIAL Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present WOODED SWAMP, SHALLOW MARSH, SHRUB/SCRUB Contiguous undeveloped buffer zone present NO

Is the wetland a separate hydraulic system? NO If not, where does the wetland lie in the drainage basin? HEADWATER → WASH BROOK

How many tributaries contribute to the wetland? 3 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. SUNSET + VALLEY VIEW

Latitude Longitude

Prepared by: BG Date 14SEP09

Wetland Impact: N/A

Type Area

Evaluation based on:

Office ✓ Field ✓

Corps manual wetland delineation completed? Y N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		3, 7, 15		
Floodflow Alteration	✓		2, 3, 4, 5, 6, 8, 9, 13, 15+		
Fish and Shellfish Habitat	✓		2, 4, 8, 10, 14, 17		
Sediment/Toxicant Retention	✓		1, 3, 4, 5, 7, 8, 10, 12, 14+		
Nutrient Removal	✓		2, 3, 4, 5, 7, 8, 9, 10, 11+	X	
Production Export	✓		1, 2, 4, 5, 6, 7, 8, 10, 12	X	
Sediment/Shoreline Stabilization	✓		1, 2, 3, 6, 7, 9, 10, 12, 13+		
Wildlife Habitat	✓		6, 7, 8, 9, 11, 13, 14, 15, 17+	X	
Recreation	✓		4, 5, 11, 12		
Educational/Scientific Value	✓		1, 3, 5, 7, 10, 12		
Uniqueness/Heritage	✓		4, 5, 6, 12, 13, 17, 19, 22+		
Visual Quality/Aesthetics	✓		1, 2, 3, 6, 9, 10		
ES Endangered Species Habitat	✓		1		ON CTDEP NDDB MAP
Other					

Notes:

*Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

PART OF #38

Total area of wetland ~75 AC Human made? NO Is wetland part of a wildlife corridor? YES or a "habitat island"? _____

Adjacent land use FALLOW FIELD, RESIDENTIAL, FOREST Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present FORESTED SWAMP, SHALLOW MARSH, SCRUB/SHRUB Contiguous undeveloped buffer zone present IN PLACES

Is the wetland a separate hydraulic system? NO If not, where does the wetland lie in the drainage basin? HEADWATERS

How many tributaries contribute to the wetland? 3 OR MORE Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. ADAMS RD TO DUNCASTER HOLLOW

Latitude _____ Longitude _____

Prepared by: BG Date 14 SEP 09

Wetland Impact: N/A

Type _____ Area _____

Evaluation based on:

Office ✓ Field ✓

Corps manual wetland delineation completed? Y _____ N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		3,4,7,9,12	X	
Floodflow Alteration	✓		2,5,6,8,9,15		
Fish and Shellfish Habitat	✓		1,2,4,8,10,14,17		
Sediment/Toxicant Retention	✓		3,4,5,7,8,10,12,15,16		
Nutrient Removal	✓		1,2,3,4,5,6,7,8,9,10+	X	
Production Export	✓		1,2,4,5,6,7,8,10,12		
Sediment/Shoreline Stabilization	✓		1,2,3,4,6,7,9,10,12+		
Wildlife Habitat	✓		6,7,8,9,11,13,14,15,17+	X	
Recreation	✓		4,5,6,7,12		
Educational/Scientific Value	✓		1,2,3,4,5,11,12,13		
Uniqueness/Heritage	✓		4,5,6,7,10,11,12,13,14+		
Visual Quality/Aesthetics	✓		1,2,3,4,5,7,8,9,11		
ES Endangered Species Habitat	✓		1		SW CORNER ON CTDEP NDDB MAP, RARE PLANT FOUND
Other					

Notes:

*Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

TOP OF #35

Total area of wetland N/2 AC Human made? NO (?) Is wetland part of a wildlife corridor? YES or a "habitat island"?_____

Adjacent land use INDUSTRIAL, COMMERCIAL, OPEN Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present OPEN WATER, MARSH, WOODED SWAMP Contiguous undeveloped buffer zone present IN PLACES

Is the wetland a separate hydraulic system? NO If not, where does the wetland lie in the drainage basin? HEAD WATERS, BEAMAN'S BROOK

How many tributaries contribute to the wetland?_____ Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. DUDLEY TOWN POND

Latitude_____ Longitude_____

Prepared by: BG Date 14SEP09

Wetland Impact: N/A

Type_____ Area_____

Evaluation based on:

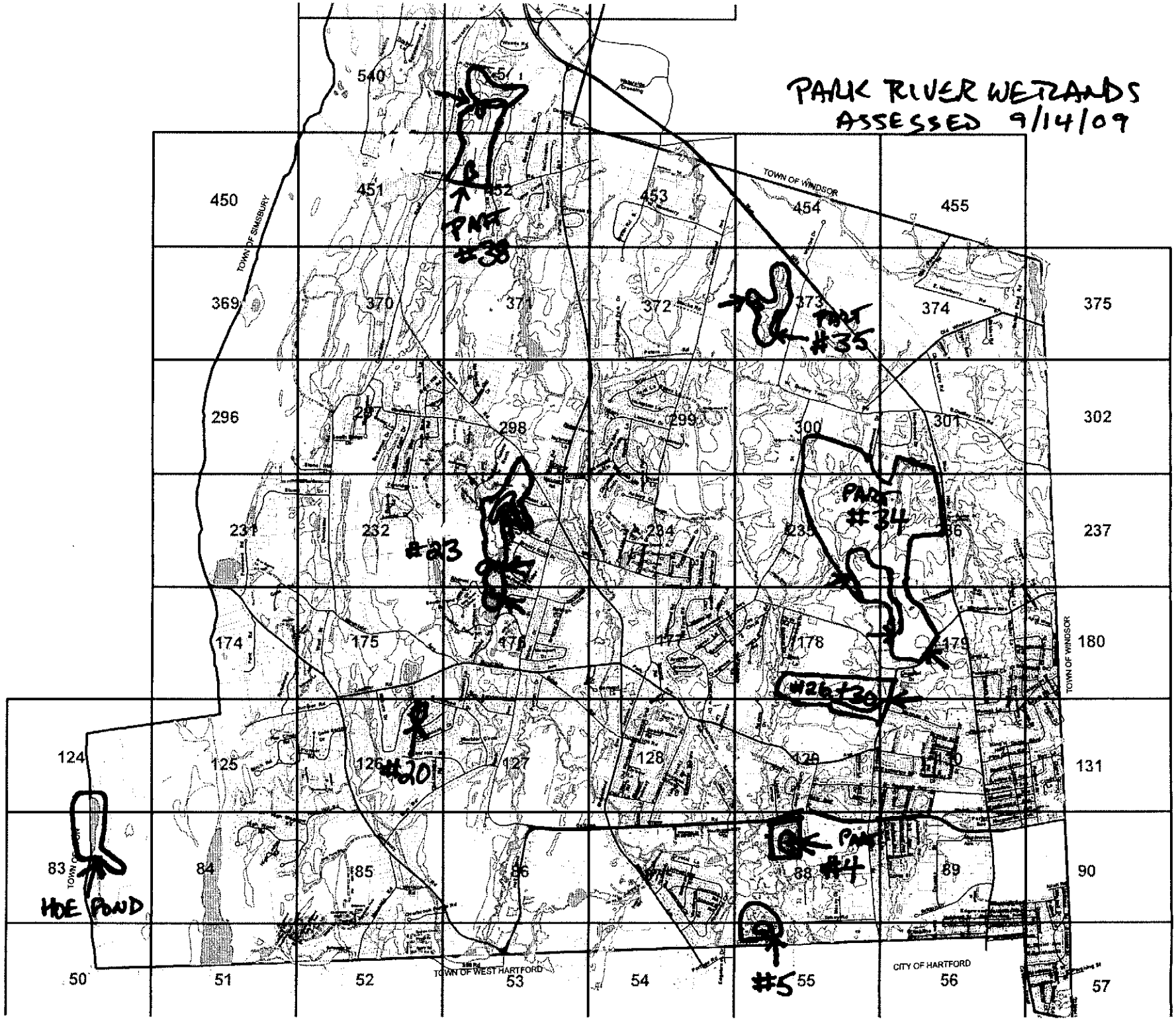
Office ✓ Field ✓

Corps manual wetland delineation completed? Y_____ N ✓

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	✓		3,4,7		
Floodflow Alteration	✓		2,3,4,5,7,8,9,15		
Fish and Shellfish Habitat		✓			EUTROPHICATION DAMAGES FISH HABITAT
Sediment/Toxicant Retention	✓		1,2,3,4,5,8,10,12,13+	X	
Nutrient Removal	✓		2,3,4,5,6,7,10	X	
Production Export	✓		1,2,4,5,10,12		
Sediment/Shoreline Stabilization	✓		1,3,6,12		
Wildlife Habitat	✓		6,7,8,12,17,19,20		EUTROPHICATION REDUCES VALUE
Recreation	✓		9		POTENTIAL FOR RECREATION, BUT WATER QUALITY LOW
Educational/Scientific Value	✓		1,3,8,12,14		
Uniqueness/Heritage	✓		2,3,4,9,12,13,14,17+		
Visual Quality/Aesthetics	✓		1,2,5,9,12		
ES Endangered Species Habitat	✓		1		NORTHERN EDGE OF POND ON CTDEP NDDB MAP
Other					

Notes:

*Refer to backup list of numbered considerations.


PARK RIVER WETLANDS
ASSESSED 9/14/09
PWF #38
PWF #35
PWF #34
#23
#26 #30
#20
PWF #4
#5
HOE POND
TOWN OF SIMSBURY
TOWN OF WINDSOR
TOWN OF WEST HARTFORD
CITY OF HARTFORD
TOWN OF WINDSOR
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