

**edr Companies**217 Montgomery Street, Suite 1000  
Syracuse, New York 13202**DATA FORM  
ROUTINE WETLAND DETERMINATION**

Northcentral and Northeast Regional Supplement

274 North Goodman Street  
Rochester, New York 14607

Project Number: 09022

Town: Porter (Model City)

Sampling Date:

5/22/2012

Applicant: CWM Chemical Services, LLC

County: Niagara

State: New York

Community:

Forested

Data Point ID (i.e. 2W@Wet. G): 24 @ wefa

Nearest Flag to Data Point: A-11

Investigator(s) Pippin/Stebbins

Landform: Hillside/Seep Toe of Slope Depressional Riparian

Landscape Position: Flat Undulating Sloping Convex Concave

Is the area a potential problem area? Yes ☒ NoIs the site significantly disturbed? Yes ☒ No

Approximate Slope (%):

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ NoDo Normal Circumstances exist on site? Yes ☒ No**Hydrology****Primary Indicators (min. - 1 required; check all that apply)**

- ☐ Surface Water (A1)  
☐ High Water Table (A2)  
☐ Saturation (A3)  
☐ Water Marks (B1)  
☐ Sediment Deposits (B2)  
☐ Drift Deposits (B3)  
☐ Algal Mat or Crust (B4)  
☐ Iron Deposits (B5)  
☐ Inundation Visible on Aerial Imagery (B7)  
☐ Sparsely Vegetated Concave Surface (B8)

- ☐ Water-Stained Leaves (B9)  
☐ Aquatic Fauna (B13)  
☐ Marl Deposits (B15)  
☐ Hydrogen Sulfide Odor (C1)  
☐ Oxidized Rhizospheres on Living Roots (C3)  
☐ Presence of Reduced Iron (C4)  
☐ Recent Iron Reduction in Tilled Soils (C6)  
☐ Thin Muck Surface (C7)  
☐ Other (Explain in Remarks)

**Secondary Indicators (min. - 2 required)**

- ☐ Surface Soil Cracks (B6)  
☐ Drainage Patterns (B10)  
☐ Moss Trim Lines (B16)  
☐ Dry-Season Water Table (C2)  
☐ Crayfish Burrows (C8)  
☐ Saturation Visible on Aerial Imagery (C9)  
☐ Stunted or Stressed Plants (D-1)  
☐ Geomorphic Position (D2)  
☐ Shallow Aquitard (D3)  
☐ Microtopographic Relief (D4)  
☐ FAC-Neutral Test (D5)

**Field Observations**
 Inundation Present? Yes ☐ No ☒  
 Saturated Conditions? Yes ☐ No ☒

Depth of Water (inches):

Depth to Sat. Soil (inches):

Depth to Water (inches):

**Stream Association (Take a Stream Inventory Data Form for each stream identified in Study Area)**

Record observations (e.g. location, stream type, adjacent community type, state protected etc.) of any streams within or adjacent to the Study Area:

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**Remarks**

no hydrological indicators

Project Number: 09022  
 Applicant: CWM Chemical Services, LLC

Sampling Date: 5/22/2012  
 Data Point ID: 2U @ Wet A

## Vegetation

## Tree Stratum (Plot size: 30-foot radius)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Acer negundo</i>	50		
2. <i>Robinia pseudo-acacia</i>	50		
3.			
4.			
5.			
		= Total Cover	

## Dominance Test worksheet:

Number of Dominant Species  
 That Are OBL, FACW, or FAC: \_\_\_\_\_ (A)  
 Total Number of Dominant  
 Species Across All Strata: \_\_\_\_\_ (B)  
 Percent of Dominant Species  
 That Are OBL, FACW, or FAC: \_\_\_\_\_ (A/B)

## Prevalence Index worksheet:

Total % Cover of: \_\_\_\_\_ Multiply by:  
 OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_  
 FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_  
 FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_  
 FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_  
 UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_  
 Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)  
 Prevalence Index = B/A = \_\_\_\_\_

## Sapling/Shrub Stratum (Plot size: 16-foot radius)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Lonicera Morrowii</i>	20		
2.			
3.			
4.			
5.			
		= Total Cover	

## Herb Stratum (Plot size: 5-foot radius)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Anthriscus</i>	15		
2. <i>Hesperis matronalis</i>	30		
3. <i>Glycyrrhiza legalis</i>	20		
4.			
5.			
6.			
7.			
8.			
9.			
10.			
		= Total Cover	

## Hydrophytic Vegetation Indicators:

\_\_\_ Rapid Test for Hydrophytic Vegetation  
 \_\_\_ Dominance Test >50%  
 \_\_\_ Prevalence Index is ≤3.0<sup>1</sup>  
 \_\_\_ Morphological Adaptations<sup>1</sup> (provide supporting data in remarks)  
 \_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (explain in remarks)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

## Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
 Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  
 Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
 Woody vines - All woody vines greater than 3.28 ft in height.

## Remarks

no hydrophytic  
 vegetation

## Woody Vine Stratum (Plot size: 30-foot radius)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Toxicodendron radicans</i>	25		
2.			
3.			
4.			
5.			
		= Total Cover	

Project Number: 09022  
 Applicant: CWM Chemical Services, LLC  
 Soil Map Unit: \_\_\_\_\_

Sampling Date: 5/22/2012  
 Data Point ID: 200 wetland A  
 Flag A-11

**Soils** Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators).

Depth (inches)	Matrix		Redox Features				Texture, Structure, Other
	Color (moist)	%	Color (moist)	Frequency <sup>1</sup>	Type <sup>2</sup>	Loc <sup>3</sup>	
0-1 ft	10YR 5/4		—	—	—	—	silt loam

<sup>1</sup>Frequency: F=Few, MA=Moderately Abundant, C=Common

<sup>2</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

<sup>3</sup>Location: PL=Pore Lining, M=Matrix

**Hydric Soil Indicators**

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)

- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

**Problematic Hydric Soil Indicators<sup>3</sup>**

- ☐ 2 cm Muck (A10)
- ☐ Coast Prairie Redox (A16)
- ☐ 5 cm Mucky Peat or Peat (S3)
- ☐ Dark Surface (S7)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)
- ☐ Iron-Manganese Masses (F12)
- ☐ Piedmont Floodplain Soils F19)
- ☐ Mesic Spodic (TA6)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in remarks)

**Restrictive Layer (If observed)**

Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Remarks**

Bright soils associated with fill area adjacent to PFO wetland. No hydrology/hydric soils observed.

**Wetland Determination**

Hydrophytic Vegetation Present? Yes ☒ No ☐  
 Hydric Soil Present? Yes ☒ No ☐  
 Wetland Hydrology Present? Yes ☒ No ☐  
 Is this Sampling Point Within a Wetland? Yes ☒ No ☐

Hydrologic Connectivity to Off-site Wetlands? Yes ☐ No ☒ N/A  
 Does Any Part of this Delineated Wetland/Stream Extend Past the Flagged Boundary? Yes ☐ No ☒ N/A  
 Is this Wetland Potentially Isolated? Yes ☐ No ☒ N/A

Is the wetland mapped in the NWI? Yes ☒ No ☐  
 Is the wetland a mapped state wetland? Yes ☒ No ☐  
 If yes, indicate classification \_\_\_\_\_  
 If yes, indicate wetland ID \_\_\_\_\_

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DATA FORM  
ROUTINE WETLAND DETERMINATION

Northcentral and Northeast Regional Supplement

274 North Goodman Street  
Rochester, New York 14607

Project Number: '09022 Town: Porter (Model City) Sampling Date: 5/22/2012  
County: Niagara State: New York Community: Ditch / Stream  
Data Point ID (i.e. 2W@Wet. G): 1W@wet B Nearest Flag to Data Point: B-13

Investigator(s) Pippin/Stebbins

Landform: Hillside/Seep Toe of Slope Depressional RiparianLandscape Position: Flat Undulating Sloping Convex ConcaveIs the area a potential problem area? Yes NoIs the site significantly disturbed? Yes No

Approximate Slope (%): \_\_\_\_\_

Are climatic/hydrologic conditions on the site typical for this time of year? Yes NoDo Normal Circumstances exist on site? Yes No

## Hydrology

## Primary Indicators (min. - 1 required; check all that apply)

- ☐ Surface Water (A1)  
☐ High Water Table (A2)  
☒ Saturation (A3)  
☐ Water Marks (B1)  
☐ Sediment Deposits (B2)  
☐ Drift Deposits (B3)  
☐ Algal Mat or Crust (B4)  
☐ Iron Deposits (B5)  
☐ Inundation Visible on Aerial Imagery (B7)  
☐ Sparsely Vegetated Concave Surface (B8)

- ☒ Water-Stained Leaves (B9)  
☐ Aquatic Fauna (B13)  
☐ Marl Deposits (B15)  
☒ Hydrogen Sulfide Odor (C1)  
☐ Oxidized Rhizospheres on Living Roots (C3)  
☐ Presence of Reduced Iron (C4)  
☐ Recent Iron Reduction in Tilled Soils (C6)  
☐ Thin Muck Surface (C7)  
☐ Other (Explain in Remarks)

## Secondary Indicators (min. - 2 required)

- ☐ Surface Soil Cracks (B6)  
☐ Drainage Patterns (B10)  
☐ Moss Trim Lines (B16)  
☐ Dry-Season Water Table (C2)  
☐ Crayfish Burrows (C8)  
☐ Saturation Visible on Aerial Imagery (C9)  
☐ Stunted or Stressed Plants (D-1)  
☐ Geomorphic Position (D2)  
☐ Shallow Aquitard (D3)  
☐ Microtopographic Relief (D4)  
☐ FAC-Neutral Test (D5)

## Field Observations

Inundation Present? Yes No  
Saturated Conditions? Yes No

Depth of Water (inches): \_\_\_\_\_  
Depth to Sat. Soil (inches): 0  
Depth to Water (inches): 4"

## Stream Association (Take a Stream Inventory Data Form for each stream identified in Study Area)

Record observations (e.g. location, stream type, adjacent community type, state protected etc.) of any streams within or adjacent to the Study Area:

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## Remarks

Project Number: 09022  
 Applicant: CWM Chemical Services, LLC

Sampling Date: 5/22/2012  
 Data Point ID: 1W@W4B

## Vegetation

## Tree Stratum (Plot size: 30-foot radius)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Salix</i>	20		
2.			
3.			
4.			
5.			
		= Total Cover	

## Dominance Test worksheet:

Number of Dominant Species  
 That Are OBL, FACW, or FAC: \_\_\_\_\_ (A)  
 Total Number of Dominant  
 Species Across All Strata: \_\_\_\_\_ (B)  
 Percent of Dominant Species  
 That Are OBL, FACW, or FAC: \_\_\_\_\_ (A/B)

## Prevalence Index worksheet:

Total % Cover of: \_\_\_\_\_ Multiply by:  
 OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_  
 FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_  
 FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_  
 FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_  
 UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_  
 Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)  
 Prevalence Index = B/A = \_\_\_\_\_

## Sapling/Shrub Stratum (Plot size: 15-foot radius)

1. <i>Frax penn</i>	10		
2.			
3.			
4.			
5.			
		= Total Cover	

## Herb Stratum (Plot size: 5-foot radius)

1. <i>Nyssa angust</i>	70		
2. <i>Carex</i>	30		
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
		= Total Cover	

## Hydrophytic Vegetation Indicators:

☐ Rapid Test for Hydrophytic Vegetation  
☐ Dominance Test >50%  
☐ Prevalence Index is  $\leq 3.0^1$   
☐ Morphological Adaptations<sup>1</sup> (provide supporting data in remarks)  
☐ Problematic Hydrophytic Vegetation<sup>1</sup> (explain in remarks)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

## Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
 Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  
 Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
 Woody vines - All woody vines greater than 3.28 ft in height.

## Remarks

## Woody Vine Stratum (Plot size: 30-foot radius)

1.			
2.			
3.			
4.			
5.			
		= Total Cover	

Project Number: <u>09022</u>			Sampling Date: <u>5/22/2012</u>			
Applicant: <u>CWM Chemical Services, LLC</u>			Data Point ID: <u>146(5) Wetland B</u>			
Soil Map Unit: _____						
Soils <span style="float:right">Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators).</span>						
Depth (inches)	Matrix		Redux Features			Texture, Structure, Other
	Color (moist)	%	Color (moist)	Frequency <sup>1</sup>	Type <sup>2</sup>	
<u>0-16"</u>	<u>10YR 4/1</u>		<u>—</u>	<u>—</u>	<u>—</u>	<u>Clay</u>

<sup>1</sup>Frequency: F=Few, MA=Moderately Abundant, C=Common  
<sup>2</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains  
<sup>3</sup>Location: PL=Pore Lining, M=Matrix

<b>Hydric Soil Indicators</b> <input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Dark Surface (S7) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input checked="" type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8)	<b>Problematic Hydric Soil Indicators<sup>3</sup></b> <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Coast Prairie Redox (A16) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) <input type="checkbox"/> Dark Surface (S7) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Piedmont Floodplain Soils F19) <input type="checkbox"/> Mesic Spodic (TA6) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (Explain in remarks)
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**Restrictive Layer (if observed)**  
 Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Remarks**  

Black organic streaking present no mottles except  
 oxidizing rhizophores. soil sample taken at edge  
 of man made drainage channel - to mile creek.

**Wetland Determination**  

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Hydrologic Connectivity to Off-site Wetlands? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Hydric Soil Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Does Any Part of this Delineated Wetland/Stream Extend Past the Flagged Boundary? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Wetland Potentially Isolated? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Is the wetland mapped in the NWI? ☒ Yes ☐ No ☐ No  
 If yes, indicate classification \_\_\_\_\_

Is the wetland a mapped state wetland? ☒ Yes ☐ No ☐ No  
 If yes, indicate wetland ID \_\_\_\_\_



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**DATA FORM  
ROUTINE WETLAND DETERMINATION**

Northcentral and Northeast Regional Supplement

274 North Goodman Street  
Rochester, New York 14607

Project Number: '09022 Town: Porter (Model City) Sampling Date: 5/22/2012

Applicant: CWM Chemical Services, LLC

County: Niagara

State: New York

Community: old field

Data Point ID (i.e. 2W@Wet. G): 1 u @ wet B

Nearest Flag to Data Point: B-13

Investigator(s) Pippin/Stebbins

Landform: Hillside/Seep Toe of Slope Depressional Riparian

Is the area a potential problem area? Yes No

Landscape Position: Flat Undulating Sloping Convex Concave

Is the site significantly disturbed? Yes No

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No

Approximate Slope (%): \_\_\_\_\_

Do Normal Circumstances exist on site? Yes No

**Hydrology**

**Primary Indicators (min. - 1 required; check all that apply)**

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)

- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

**Secondary Indicators (min. - 2 required)**

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D-1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-Neutral Test (D5)

**Field Observations**

Inundation Present? Yes \_\_\_\_\_ No X  
Saturated Conditions? Yes \_\_\_\_\_ No X

Depth of Water (inches): \_\_\_\_\_  
Depth to Sat. Soil (inches): \_\_\_\_\_  
Depth to Water (inches): \_\_\_\_\_

**Stream Association (Take a Stream Inventory Data Form for each stream identified in Study Area)**

Record observations (e.g. location, stream type, adjacent community type, state protected etc.) of any streams within or adjacent to the Study Area:

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**Remarks**

no hydrological indicators

Project Number: 09022  
 Applicant: CWM Chemical Services, LLC

Sampling Date: 5/22/2012  
 Data Point ID: 1W @ wet B

## Vegetation

## Tree Stratum (Plot size: 30-foot radius)

	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
_____ = Total Cover			

## Dominance Test worksheet:

Number of Dominant Species  
 That Are OBL, FACW, or FAC: \_\_\_\_\_ (A)  
 Total Number of Dominant  
 Species Across All Strata: \_\_\_\_\_ (B)  
 Percent of Dominant Species  
 That Are OBL, FACW, or FAC: \_\_\_\_\_ (A/B)

## Prevalence Index worksheet:

Total % Cover of: \_\_\_\_\_ Multiply by:  
 OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_  
 FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_  
 FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_  
 FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_  
 UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_  
 Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)  
 Prevalence Index = B/A = \_\_\_\_\_

## Sapling/Shrub Stratum (Plot size: 15-foot radius)

1.			
2.			
3.			
4.			
5.			
_____ = Total Cover			

## Herb Stratum (Plot size: 5-foot radius)

1.	<i>Coronilla varia</i>	40	
2.	<i>Fragaria virginiana</i>	30	
3.	<i>Asclepias syriaca</i>	10	
4.	<i>Solidago</i>	40	
5.	<i>Ranunculus</i>	5	
6.			
7.			
8.			
9.			
10.			
_____ = Total Cover			

## Hydrophytic Vegetation Indicators:

\_\_\_ Rapid Test for Hydrophytic Vegetation  
 \_\_\_ Dominance Test >50%  
 \_\_\_ Prevalence Index is  $\leq 3.0^1$   
 \_\_\_ Morphological Adaptations<sup>1</sup> (provide supporting data in remarks)  
 \_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (explain in remarks)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

## Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
 Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  
 Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
 Woody vines - All woody vines greater than 3.28 ft in height.

## Remarks

no hydrophytic veg

## Woody Vine Stratum (Plot size: 30-foot radius)

1.			
2.			
3.			
4.			
5.			
_____ = Total Cover			



Project Number: 09022  
 Applicant: CWM Chemical Services, LLC

Sampling Date: 5/22/2012  
 Data Point ID: 14@ wetland B

Soil Map Unit: \_\_\_\_\_

**Soils** Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators).

Depth (inches)	Matrix		Redox Features			Texture, Structure, Other
	Color (moist)	%	Color (moist)	Frequency <sup>1</sup>	Type <sup>2</sup>	
0-3"	10YR 5/3			✓		clay/silt
3" +	Hard packed Rock/soil.					

<sup>1</sup>Frequency: F=Few, MA=Moderately Abundant, C=Common

<sup>2</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

<sup>3</sup>Location: PL=Pore Lining, M=Matrix

#### Hydric Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Polyvalue Below Surface (S8) |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> Thin Dark Surface (S9)       |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> Loamy Mucky Mineral (F1)     |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> Loamy Gleyed Matrix (F2)     |
| <input type="checkbox"/> Stratified Layers (A5)            | <input type="checkbox"/> Depleted Matrix (F3)         |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Redox Dark Surface (F6)      |
| <input type="checkbox"/> Thick Dark Surface (A12)          | <input type="checkbox"/> Depleted Dark Surface (F7)   |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          | <input type="checkbox"/> Redox Depressions (F8)       |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)          |   |
| <input type="checkbox"/> Sandy Redox (S5)                  |   |
| <input type="checkbox"/> Stripped Matrix (S6)              |   |
| <input type="checkbox"/> Dark Surface (S7)                 |   |

#### Problematic Hydric Soil Indicators<sup>3</sup>

- ☐ 2 cm Muck (A10)
- ☐ Coast Prairie Redox (A16)
- ☐ 5 cm Mucky Peat or Peat (S3)
- ☐ Dark Surface (S7)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)
- ☐ Iron-Manganese Masses (F12)
- ☐ Piedmont Floodplain Soils F19)
- ☐ Mesic Spodic (TA6)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in remarks)

#### Restrictive Layer (if observed)

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

#### Remarks

Soil sample is located on top of unconsolidated fill adjacent to wetland B. Soils are bright. After 3" unable to penetrate due to hard packed rock/soil.

#### Wetland Determination

Hydrophytic Vegetation Present? Yes ☒ No ☐  
 Hydric Soil Present? Yes ☒ No ☐  
 Wetland Hydrology Present? Yes ☒ No ☐  
 Is this Sampling Point Within a Wetland? Yes ☒ No ☐

Hydrologic Connectivity to Off-site Wetlands? Yes No N/A  
 Does Any Part of this Delineated Wetland/Stream Extend Past the Flagged Boundary? Yes No N/A  
 Is this Wetland Potentially Isolated? Yes No N/A

Is the wetland mapped in the NWI? Yes ☒ No ☐  
 Is the wetland a mapped state wetland? Yes ☒ No ☐  
 If yes, indicate classification \_\_\_\_\_  
 If yes, indicate wetland ID \_\_\_\_\_

## Stream Inventory Data Form

## edr Companies

217 Montgomery Street, Suite 1000  
Syracuse, New York 13202

274 North Goodman Street  
Rochester, New York 14607

## Observer:

Name: Pippin/Stebbins  
Weather: hot, sunny

## Project Information:

Name: CMW  
Number: 09022 Date: 5/22/12

Stream Name: Unnamed Ditch (C)

## Regulation Status:

State Protected? N  
Corps Jurisdictional? Y

Stream Location (nearest road, structure, etc.): \_\_\_\_\_

Adjacent Community: forest (mostly cottonwood), adjacent road

## Stream Gradient:

gentle X  
moderate \_\_\_\_\_  
steep \_\_\_\_\_

## Stream Morphology:

bank width 10'  
stream width 3'  
water depth 2"  
bankfull width 6"

## Channel Substrate:

bed rock \_\_\_\_\_  
boulder \_\_\_\_\_  
cobble \_\_\_\_\_  
gravel \_\_\_\_\_  
sand \_\_\_\_\_  
silt X  
clay X

## Instream Conditions:

obscured bank \_\_\_\_\_  
well defined bank X  
eroded/undercut bank \_\_\_\_\_  
overhanging vegetation \_\_\_\_\_  
vegetated channel X  
logs/woody debris \_\_\_\_\_  
riffles and runs \_\_\_\_\_  
deep pools \_\_\_\_\_  
other \_\_\_\_\_

## Stream Flow:

permanent \_\_\_\_\_  
intermittent \_\_\_\_\_  
ephemeral X

Photo #s \_\_\_\_\_

Flag #s C-3

## Additional Comments:

Drainage Flows South Eventually into Central ditch  
which ultimately flows to 4 mile creek.

**edr Companies**217 Montgomery Street, Suite 1000  
Syracuse, New York 13202**DATA FORM  
ROUTINE WETLAND DETERMINATION**

Northcentral and Northeast Regional Supplement

274 North Goodman Street  
Rochester, New York 14607

Project Number: '09022

Town: Porter (Model City)

Sampling Date: 5/22/2012

Applicant: CWM Chemical Services, LLC

County: Niagara

State: New York

Community: PEM (Stormwater)

Data Point ID (i.e. 2W@Wet. G): 1W@Wet R

Nearest Flag to Data Point: N/A taken on southern edge.

Investigator(s) Pippin/Stebbins

Landform: Hillside/Seep Toe of Slope Depressional RiparianLandscape Position: Flat Undulating Sloping Convex ConcaveAre climatic/hydrologic conditions on the site typical for this time of year? Yes No

Do Normal Circumstances exist on site? Yes No

Is the area a potential problem area? Yes NoIs the site significantly disturbed? Yes No

Approximate Slope (%): 0

**Hydrology****Primary Indicators (min. - 1 required; check all that apply)**

- ☐ Surface Water (A1)  
☐ High Water Table (A2)  
☐ Saturation (A3)  
☐ Water Marks (B1)  
☐ Sediment Deposits (B2)  
☐ Drift Deposits (B3)  
☐ Algal Mat or Crust (B4)  
☐ Iron Deposits (B5)  
☐ Inundation Visible on Aerial Imagery (B7)  
☐ Sparsely Vegetated Concave Surface (B8)

- ☒ Water-Stained Leaves (B9)  
☐ Aquatic Fauna (B13)  
☐ Marl Deposits (B15)  
☒ Hydrogen Sulfide Odor (C1)  
☒ Oxidized Rhizospheres on Living Roots (C3)  
☐ Presence of Reduced Iron (C4)  
☐ Recent Iron Reduction in Tilled Soils (C6)  
☐ Thin Muck Surface (C7)  
☐ Other (Explain in Remarks)

**Secondary Indicators (min. - 2 required)**

- ☐ Surface Soil Cracks (B6)  
☐ Drainage Patterns (B10)  
☐ Moss Trim Lines (B16)  
☐ Dry-Season Water Table (C2)  
☐ Crayfish Burrows (C8)  
☐ Saturation Visible on Aerial Imagery (C9)  
☐ Stunted or Stressed Plants (D-1)  
☐ Geomorphic Position (D2)  
☐ Shallow Aquitard (D3)  
☐ Microtopographic Relief (D4)  
☐ FAC-Neutral Test (D5)

**Field Observations**Inundation Present?  
Saturated Conditions?
 Yes ☐ No ☒  
 Yes ☐ No ☒

 Depth of Water (inches): 0  
 Depth to Sat. Soil (inches): 716"  
 Depth to Water (inches): 716"
**Stream Association (Take a Stream Inventory Data Form for each stream identified in Study Area)**

Record observations (e.g. location, stream type, adjacent community type, state protected etc.) of any streams within or adjacent to the Study Area:

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**Remarks**

Basin of stormwater retention pond.

Project Number: 09022  
 Applicant: CWM Chemical Services, LLC

Sampling Date: 5/22/2012  
 Data Point ID: 1 W @ wet 0

## Vegetation

## Tree Stratum (Plot size: 30-foot radius)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>N/A</i>			
2.			
3.			
4.			
5.			
= Total Cover			

## Dominance Test worksheet:

Number of Dominant Species  
 That Are OBL, FACW, or FAC: \_\_\_\_\_ (A)  
 Total Number of Dominant  
 Species Across All Strata: \_\_\_\_\_ (B)  
 Percent of Dominant Species  
 That Are OBL, FACW, or FAC: \_\_\_\_\_ (A/B)

## Prevalence Index worksheet:

Total % Cover of: \_\_\_\_\_ Multiply by:  
 OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_  
 FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_  
 FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_  
 FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_  
 UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_  
 Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)  
 Prevalence Index = B/A = \_\_\_\_\_

## Sapling/Shrub Stratum (Plot size: 15-foot radius)

1. <i>Frax penn</i>	20		
2.			
3.			
4.			
5.			
= Total Cover			

## Herb Stratum (Plot size: 5-foot radius)

1. <i>Carex</i>	80		
2. <i>Epilobium</i>	20		
3. <i>Water plantain</i>	5		
4. <i>Lotus corn</i>	20		
5.			
6.			
7.			
8.			
9.			
10.			
= Total Cover			

## Hydrophytic Vegetation Indicators:

☐ Rapid Test for Hydrophytic Vegetation  
☐ Dominance Test >50%  
☐ Prevalence Index is  $\leq 3.0$ <sup>1</sup>  
☐ Morphological Adaptations<sup>1</sup> (provide supporting data in remarks)  
☐ Problematic Hydrophytic Vegetation<sup>1</sup> (explain in remarks)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

## Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
 Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  
 Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
 Woody vines - All woody vines greater than 3.28 ft in height.

## Remarks

## Woody Vine Stratum (Plot size: 30-foot radius)

1.			
2.			
3.			
4.			
5.			
= Total Cover			

Project Number: <u>09022</u>			Sampling Date: <u>5/22/2012</u>			
Applicant: <u>CWM Chemical Services, LLC</u>			Data Point ID: <u>Wetland D</u>			
Soil Map Unit: _____						
Soils <span style="float: right;">Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators).</span>						
Depth (inches)	Matrix		Redox Features			Texture, Structure, Other
	Color (moist)	%	Color (moist)	Frequency <sup>1</sup>	Type <sup>2</sup>	
<u>0-16"</u>	<u>10YR 4/2</u>		<u>7.5YR 4/4</u>	<u>F</u>	<u>C</u>	<u>M</u>

<sup>1</sup>Frequency: F=Few, MA=Moderately Abundant, C=Common  
<sup>2</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains  
<sup>3</sup>Location: PL=Pore Lining, M=Matrix

<b>Hydric Soil Indicators</b> <input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Dark Surface (S7) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input checked="" type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8)	<b>Problematic Hydric Soil Indicators<sup>3</sup></b> <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Coast Prairie Redox (A16) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) <input type="checkbox"/> Dark Surface (S7) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Piedmont Floodplain Soils F19) <input type="checkbox"/> Mesic Spodic (TA6) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (Explain in remarks)	<b>Restrictive Layer (if observed)</b> Type: _____ Depth (inches): _____
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<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Remarks**  

Wetland D is a Stormwater Management Pond.  
 Soils are accounted clay for liner of the swm pond

**Wetland Determination**  

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Hydrologic Connectivity to Off-site Wetlands? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Hydric Soil Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Does Any Part of this Delineated Wetland/Stream Extend Past the Flagged Boundary? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Wetland Potentially Isolated? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Is the wetland mapped in the NWI? Yes ☒ No ☐ If yes, indicate classification \_\_\_\_\_

Is the wetland a mapped state wetland? Yes ☒ No ☐ If yes, indicate wetland ID \_\_\_\_\_

**edr Companies**217 Montgomery Street, Suite 1000  
Syracuse, New York 13202**DATA FORM  
ROUTINE WETLAND DETERMINATION**

Northcentral and Northeast Regional Supplement

274 North Goodman Street  
Rochester, New York 14607

Project Number: '09022

Town: Porter (Model City)Sampling Date: 5/22/2012Applicant: CWM Chemical Services, LLCCounty: NiagaraState: New YorkCommunity: old field / bermData Point ID (i.e. 2W@Wet. G): 1 n@ wet D

Nearest Flag to Data Point: \_\_\_\_\_

Investigator(s) Pippin/StebbinsLandform: Hillside/Seep Toe of Slope Depressional RiparianLandscape Position: Flat Undulating Sloping Convex ConcaveIs the area a potential problem area? Yes NoIs the site significantly disturbed? Yes NoApproximate Slope (%): 0Are climatic/hydrologic conditions on the site typical for this time of year? Yes NoDo Normal Circumstances exist on site? Yes No**Hydrology****Primary Indicators (min. - 1 required; check all that apply)**

- ☐ Surface Water (A1)  
☐ High Water Table (A2)  
☐ Saturation (A3)  
☐ Water Marks (B1)  
☐ Sediment Deposits (B2)  
☐ Drift Deposits (B3)  
☐ Algal Mat or Crust (B4)  
☐ Iron Deposits (B5)  
☐ Inundation Visible on Aerial Imagery (B7)  
☐ Sparsely Vegetated Concave Surface (B8)

- ☐ Water-Stained Leaves (B9)  
☐ Aquatic Fauna (B13)  
☐ Marl Deposits (B15)  
☐ Hydrogen Sulfide Odor (C1)  
☐ Oxidized Rhizospheres on Living Roots (C3)  
☐ Presence of Reduced Iron (C4)  
☐ Recent Iron Reduction in Tilled Soils (C6)  
☐ Thin Muck Surface (C7)  
☐ Other (Explain in Remarks)

**Secondary Indicators (min. - 2 required)**

- ☐ Surface Soil Cracks (B6)  
☐ Drainage Patterns (B10)  
☐ Moss Trim Lines (B16)  
☐ Dry-Season Water Table (C2)  
☐ Crayfish Burrows (C8)  
☐ Saturation Visible on Aerial Imagery (C9)  
☐ Stunted or Stressed Plants (D-1)  
☐ Geomorphic Position (D2)  
☐ Shallow Aquitard (D3)  
☐ Microtopographic Relief (D4)  
☐ FAC-Neutral Test (D5)

**Field Observations**
 Inundation Present? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Saturated Conditions? Yes \_\_\_\_\_ No \_\_\_\_\_

 Depth of Water (inches): \_\_\_\_\_  
 Depth to Sat. Soil (inches): \_\_\_\_\_  
 Depth to Water (inches): \_\_\_\_\_
**Stream Association (Take a Stream Inventory Data Form for each stream identified in Study Area)**

Record observations (e.g. location, stream type, adjacent community type, state protected etc.) of any streams within or adjacent to the Study Area:

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**Remarks**no hydrologic indicators



Project Number: 09022  
 Applicant: CWM Chemical Services, LLC

Sampling Date: 5/22/2012  
 Data Point ID: 1 u @ wet D

## Vegetation

Tree Stratum (Plot size: 30-foot radius)		Absolute % Cover	Dominant Species?	Indicator Status	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)  Total Number of Dominant Species Across All Strata: _____ (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
1.					
2.					
3.					
4.					
5.					
		= Total Cover			<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B)  Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: 15-foot radius)					
1.					
2.					
3.					
4.					
5.					
		= Total Cover			
Herb Stratum (Plot size: 5-foot radius)					<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> Dominance Test >50% <input type="checkbox"/> Prevalence Index is <3.0 <sup>1</sup> <input type="checkbox"/> Morphological Adaptations <sup>1</sup> (provide supporting data in remarks) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (explain in remarks) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.	Coronilla varia	100			<b>Definitions of Vegetation Strata:</b> Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.
2.	Phragmites	20			
3.	Cirsium cana	10			
4.	Solidago	20			
5.					
6.					
7.					
8.					
9.					
10.					
		150 = Total Cover			<b>Remarks</b>  
Woody Vine Stratum (Plot size: 30-foot radius)					
1.					
2.					
3.					
4.					
5.					
		= Total Cover			

Project Number: 09022  
 Applicant: CWM Chemical Services, LLC  
 Soil Map Unit: \_\_\_\_\_

Sampling Date: 5/22/2012  
 Data Point ID: 1A @ Wetland D

**Soils** Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators).

Depth (inches)	Matrix		Redox Features			Texture, Structure, Other
	Color (moist)	%	Color (moist)	Frequency <sup>1</sup>	Type <sup>2</sup>	
0-6"	10YR 4/4		—	—	—	Clay/Silt
6" +	hard packed rock					

<sup>1</sup>Frequency: F=Few, MA=Moderately Abundant, C=Common

<sup>2</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

<sup>3</sup>Location: PL=Pore Lining, M=Matrix

#### Hydric Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Polyvalue Below Surface (S8) |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> Thin Dark Surface (S9)       |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> Loamy Mucky Mineral (F1)     |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> Loamy Gleyed Matrix (F2)     |
| <input type="checkbox"/> Stratified Layers (A5)            | <input type="checkbox"/> Depleted Matrix (F3)         |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Redox Dark Surface (F6)      |
| <input type="checkbox"/> Thick Dark Surface (A12)          | <input type="checkbox"/> Depleted Dark Surface (F7)   |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          | <input type="checkbox"/> Redox Depressions (F8)       |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)          |   |
| <input type="checkbox"/> Sandy Redox (S5)                  |   |
| <input type="checkbox"/> Stripped Matrix (S6)              |   |
| <input type="checkbox"/> Dark Surface (S7)                 |   |

#### Problematic Hydric Soil Indicators<sup>3</sup>

- ☐ 2 cm Muck (A10)
- ☐ Coast Prairie Redox (A16)
- ☐ 5 cm Mucky Peat or Peat (S3)
- ☐ Dark Surface (S7)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)
- ☐ Iron-Manganese Masses (F12)
- ☐ Piedmont Floodplain Soils F19)
- ☐ Mesic Spodic (TA6)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in remarks)

#### Restrictive Layer (if observed)

Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

#### Remarks

Point located on top of SWM Pond berm.  
 Soils are disturbed and hard packed clay/rock.

#### Wetland Determination

Hydrophytic Vegetation Present? Yes ☒ No ☐

Hydric Soil Present? Yes ☒ No ☐

Wetland Hydrology Present? Yes ☒ No ☐

Is this Sampling Point Within a Wetland? Yes ☒ No ☐

Is the wetland mapped in the NWI? Yes ☒ No ☐

Is the wetland a mapped state wetland? Yes ☒ No ☐

Hydrologic Connectivity to Off-site Wetlands? Yes ☐ No ☒ N/A

Does Any Part of this Delineated Wetland/Stream Extend Past the Flagged Boundary? Yes ☐ No ☒ N/A

Is this Wetland Potentially Isolated? Yes ☐ No ☒ N/A

If yes, indicate classification \_\_\_\_\_

If yes, indicate wetland ID \_\_\_\_\_



Photo 01

Wetland A Sampling Point 1 at  
Flag A-47



Photo 02

Soil Test Pit for Wetland A  
Sampling Point 1 at Flag A-47



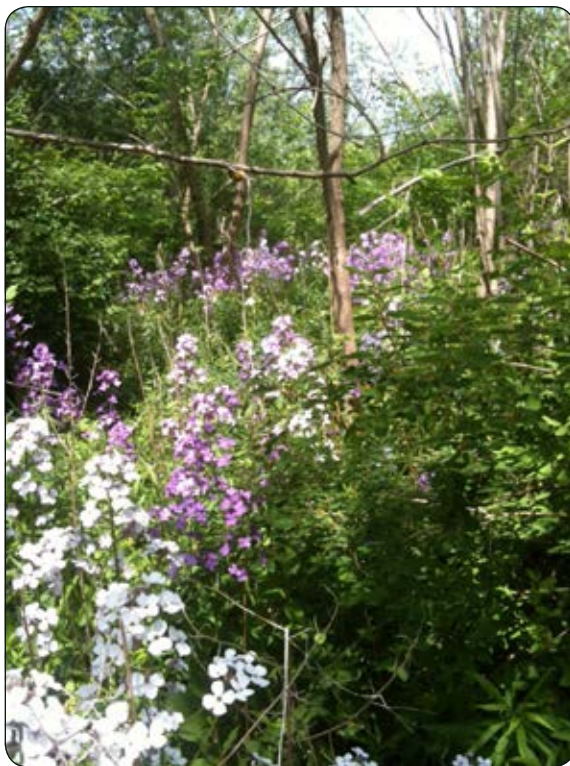


Photo 03

Upland A Sampling Point 1 at  
Flag A-47



Photo 04

Soil Test Pit for Upland A  
Sampling Point 1 at Flag A-47



Photo 05

Wetland A Sampling Point 2 at  
Flag A-11



Photo 06

Soil Test Pit for Wetland A  
Sampling Point 2 at Flag A-11

**CWM Model City Facility**

Wetland Delineation Report for Proposed Wetland Mitigation Area  
Town of Porter - Niagara County, New York

Appendix C: Photo Documentation

May 2012  
Sheet 3 of 15





Photo 07

Upland A Sampling Point 2 at  
Flag A-11



Photo 08

Soil Test Pit for Upland A  
Sampling Point 2 at Flag A-11





Photo 09

Wetland A at Flag A-56 - View  
East



Photo 10

Wetland A at Flag A-79 - View  
East



Photo 11

Wetland A at Flag A-79 - View North



Photo 12

Wetland A at Flag A-79 - View West





Photo 13

Wetland A at Flag A-98 - View  
South



Photo 14

Wetland A at Flag A-98 - View  
West



Photo 15

Wetland B Sampling Point at  
Flag B-13



Photo 16

Alternate View of Wetland B  
Sampling Point at Flag B-13





Photo 17

Soil Test Pit for Wetland B  
Sampling Point at Flag B-13



Photo 18

Upland B Sampling Point at  
Flag B-13 - View West



Photo 19

Upland B Sampling Point at  
Flag B-13 - View East



Photo 20

Soil Test Pit for Upland B  
Sampling Point at Flag B-13





Photo 21

Wetland C - Upstream view of  
drainage ditch at Flag C-3

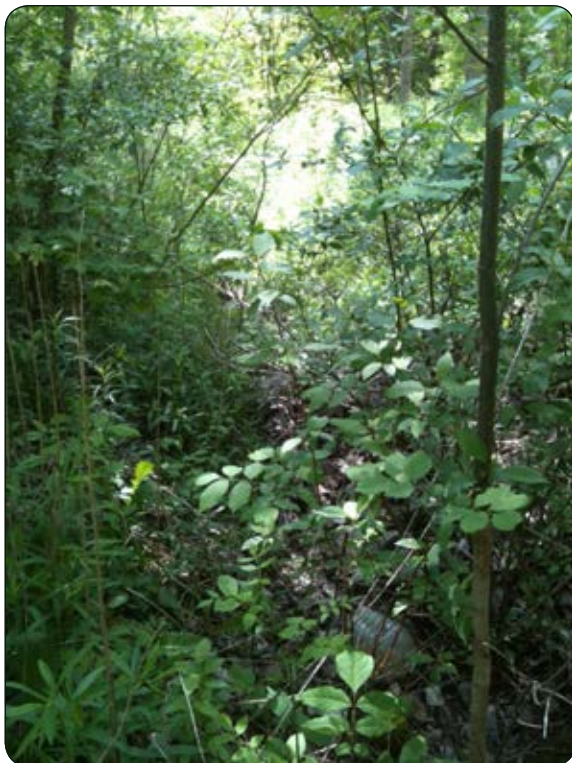


Photo 22

Wetland C - Downstream view  
of drainage ditch at Flag C-3



Photo 23

Wetland C - View East at Flag  
C-3



Photo 24

Wetland C - View West at Flag  
C-3





Photo 25

Wetland C -View South at Flag  
C-3



Photo 26

View Northwest at Wetland D  
Sampling Point 1



Photo 27

Soil Test Pit for Wetland D  
Sampling Point 1



Photo 28

View West at Upland D  
Sampling Point 1



Photo 29

Soil Test Pit for Upland D  
Sampling Point