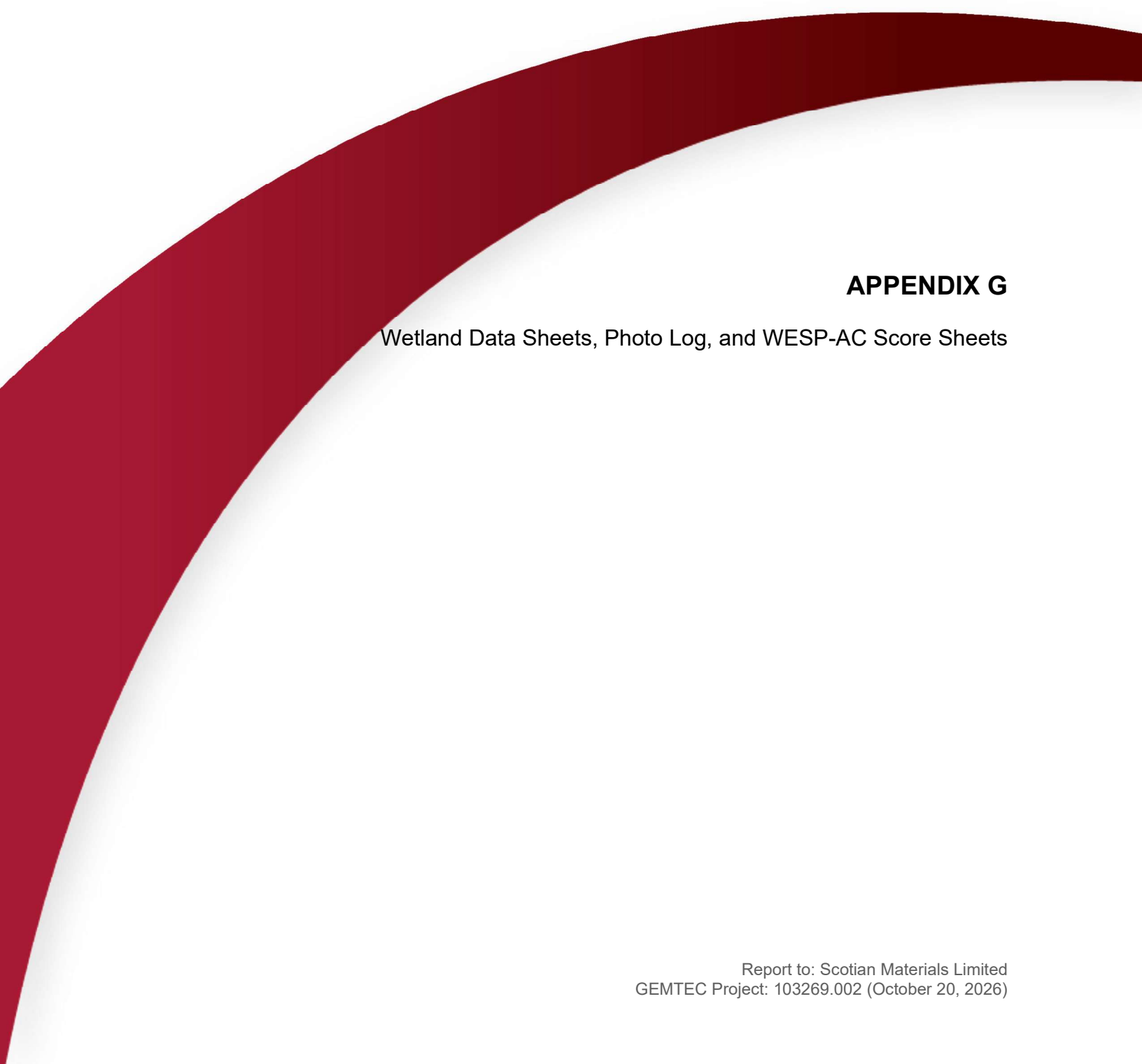




APPENDIX G

Wetland Data Sheets, Photo Log, and WESP-AC Score Sheets

Project Site: Goffs Quarry Date: September 9 2025 Sample Point: Wet4
 Applicant/Owner: Scotia Materials Field Investigator(s): LM
 County: Halifax Coordinates: 44°50'34.95"N, 63°33'41.49"W
 PID: 00505941 Do normal environmental conditions exist on-site? ☒ Yes ☐ No
 if no explain:
Atypical Situation? ☒ Yes ☐ No Explain: Very dry season
Is this a potential Problem Area? ☐ Yes ☒ No Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) ☒ Yes ☐ NoWetland Hydrology ☒ Yes ☐ NoHydric Soils ☒ Yes ☐ No**Wetland Determination**☒ Yes ☐ No**Wetland Type:** Forested swamp**Rational for Determination:** Vegetation community**Vegetation**

Tree Stratum: (Plot size: 30m)	% Cover	Dominant	Indicator
1. <i>Abies balsamea</i>	35	Y	FAC
2. <i>Betula alleghaniensis</i>	15	N	FAC
3. <i>Picea glauca</i>	15	N	FAC
4.			
5.			
	65	= Total Cover	
Shrub Stratum: (Plot size: 15m)	% Cover	Dominant	Indicator
1. <i>Fraxinus americana</i>	5	N	FAC
2. <i>Abies balsamea</i>	10	N	FAC
3.			
4.			
5.			
	15	= Total Cover	
Herb Stratum: (Plot size: 1.5m)	% Cover	Dominant	Indicator
1. <i>Osmunda cinnamomea</i>	40	Y	FAC
2. <i>Thelypteris noveboracensis</i>	40	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	80	= Total Cover	

Dominance Test Worksheet

of Dominant Species that are OBL, FACW, FAC:

Total # of Dominant Species across all strata:

% of Dominant Species that are OBL, FACW, FAC:

Prevalence Index Worksheet:

Total % Cover of:	Multiply by:	
OBL Species: 0	x 1 =	0
FACW Species: 0	x 2 =	0
FAC Species: 160	x 3 =	480
FACU Species: 0	x 4 =	0
Column Totals: 160		480
Prevalence Index = B/A =		3.00

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is > 50%
☒ Prevalence Index is $\leq 3.0^1$
☐ Morphological Adaptations¹ (explain)
☐ Problematic Hydrophytic Vegetation¹ (explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic**Hydrophytic Vegetation Present?** ☒ Yes ☐ No

Comments: Moss coverage approximately 30%.

Hydrology**Primary Hydrological Indicators:** (minimum of one is required; check all that apply)

- | | |
|--|--|
| ☒ Surface Water (A1) | ☐ Water Stained Leaves (B9) |
| ☐ High Water Table (A2) | ☐ Aquatic Fauna (B13) |
| ☐ Saturation (A3) | ☐ Marl Deposits (B15) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☒ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☒ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron reduction in tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Thin Muck Surface (C7) |
| ☐ Inundation Visible on Aerial Imagery (B7) | ☐ Other (Explain in Remarks) |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators: (minimum of two required)

- | | |
|--|--|
| ☐ Surface Soil Cracks (B6) | ☐ Stunted or Stressed Plants (D1) |
| ☐ Drainage Patterns (B10) | ☐ Geomorphic Position (D2) |
| ☐ Moss Trim Lines (B16) | ☐ Shallow Aquitard (D3) |
| ☐ Dry-Season Water Table (C2) | ☒ Microtopographic Relief (D4) |
| ☐ Crayfish Burrows (C8) | ☐ FAC-Neutral Test (D5) |
| ☐ Saturation Visible on Aerial Imagery (C9) | |

Field Observations:

Surface Water Present? ☒ Yes ☐ No Depth: 0 cm

Water Table Present? ☐ Yes ☒ No Depth: -

Saturation Present? ☐ Yes ☒ No Depth: -

Wetland Hydrology Present? ☒ Yes ☐ No

Comments: Very dry conditions, surface water observed in some areas.

Soil Profile

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

Depth (cm)	Matrix		Redox Features			Loc ²	Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹			
0-30	Organic							
30-40	10YR 5/2	90	7.5YR 4/6	10			Silty clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- | | |
|--|---|
| ☐ Histosol (A1) | ☐ Sandy Redox (S5) |
| ☒ Histic Epipedon (A2) | ☐ Stripped Matrix (S6) |
| ☐ Black Histic (A3) | ☐ Dark Surfaces (S7) |
| ☐ Hydrogen Sulfide (A4) | ☐ Polyvalue Below Surface (S8) |
| ☐ Stratified Layers (A5) | ☐ Thin Dark Surface (S9) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Matrix (F3) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Dark Surface (F6) |
| ☐ 5cm Mucky Peat or Peat (S3) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Gleyed Matrix (S4) | ☐ Redox Depressions (F8) |

Restrictive Layer (if observed): Type: _____ Depth: _____

Hydric Soil Present? ☒ Yes ☐ No

Comments:

Project Site: Goffs Quarry Applicant/Owner: Scotia Materials County: Halifax PID: 00505941 if no explain: Atypical Situation? ☒ Yes ☐ No Explain: Very dry season Is this a potential Problem Area? ☐ Yes ☒ No Explain:	Date: September 9 2025 Field Investigator(s): LM Coordinates: 44°50'35.16"N, 63°33'41.30"W Do normal environmental conditions exist on-site? ☒ Yes ☐ No	Sample Point: Up4
---	---	-------------------

Wetland Determination (Check One Only For Each Criteria)		
Dominant Hydrophytic Vegetation	(50/20 rule) ☒ Yes ☐ No	Wetland Determination ☐ Yes ☒ No
Wetland Hydrology	☐ Yes ☒ No	
Hydric Soils	☐ Yes ☒ No	
Wetland Type: N/A Rational for Determination: Lack of wetland hydrology and hydric soils		

Vegetation				Dominance Test Worksheet # of Dominant Species that are OBL, FACW, FAC: _____ Total # of Dominant Species across all strata: _____ % of Dominant Species that are OBL, FACW, FAC: _____	
Tree Stratum: (Plot size: 30m)					
1. <i>Abies balsamea</i>	15	N	FAC	Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: OBL Species: 0 x 1 = 0 FACW Species: 0 x 2 = 0 FAC Species: 125 x 3 = 375 FACU Species: 0 x 4 = 0 Column Totals: 125 375 Prevalence Index = B/A = 3.00	
2. <i>Betula alleghaniensis</i>	30	Y	FAC		
3. <i>Picea glauca</i>	30	Y	FAC		
4.					
5.					
	75	= Total Cover			
Shrub Stratum: (Plot size: 15m)					
1. <i>Abies balsamea</i>	20	Y	FAC		
2. <i>Picea glauca</i>	15	N	FAC		
3.					
4.					
5.					
	35	= Total Cover			
Herb Stratum: (Plot size: 1.5m)					
1. <i>Trientalis borealis</i>	5	N	FAC	Hydrophytic Vegetation Indicators: ☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is > 50% ☒ Prevalence Index is ≤ 3.0 ¹ ☐ Morphological Adaptations ¹ (explain) ☐ Problematic Hydrophytic Vegetation ¹ (explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Maianthemum canadense</i>	5	N	FAC		
3. <i>Cornus canadensis</i>	5	N	FAC		
4.					
5.					
6.					
7.					
8.					
9.					
10.					
	15	= Total Cover			
Comments:				Hydrophytic Vegetation Present? ☒ Yes ☐ No	

Hydrology**Primary Hydrological Indicators:** (minimum of one is required; check all that apply)

- | | |
|--|---|
| ☐ Surface Water (A1) | ☐ Water Stained Leaves (B9) |
| ☐ High Water Table (A2) | ☐ Aquatic Fauna (B13) |
| ☐ Saturation (A3) | ☐ Marl Deposits (B15) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☐ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☐ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron reduction in tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Thin Muck Surface (C7) |
| ☐ Inundation Visible on Aerial Imagery (B7) | ☐ Other (Explain in Remarks) |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators: (minimum of two required)

- | | |
|--|--|
| ☐ Surface Soil Cracks (B6) | ☐ Stunted or Stressed Plants (D1) |
| ☐ Drainage Patterns (B10) | ☐ Geomorphic Position (D2) |
| ☐ Moss Trim Lines (B16) | ☐ Shallow Aquitard (D3) |
| ☐ Dry-Season Water Table (C2) | ☐ Microtopographic Relief (D4) |
| ☐ Crayfish Burrows (C8) | ☐ FAC-Neutral Test (D5) |
| ☐ Saturation Visible on Aerial Imagery (C9) | |

Field Observations:

Surface Water Present? ☐ Yes ☒ No Depth: -

Water Table Present? ☐ Yes ☒ No Depth: -

Saturation Present? ☐ Yes ☒ No Depth: -

Wetland Hydrology Present? ☐ Yes ☒ No

Comments:

Soil Profile

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

Depth	Matrix		Redox Features			Loc ²	Texture	Remarks
(cm)	Color (moist)	%	Color (moist)	%	Type ¹			
0-25	Organic							

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- | | |
|--|---|
| ☒ Histosol (A1) | ☐ Sandy Redox (S5) |
| ☐ Histic Epipedon (A2) | ☐ Stripped Matrix (S6) |
| ☐ Black Histic (A3) | ☐ Dark Surfaces (S7) |
| ☐ Hydrogen Sulfide (A4) | ☐ Polyvalue Below Surface (S8) |
| ☐ Stratified Layers (A5) | ☐ Thin Dark Surface (S9) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Matrix (F3) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Dark Surface (F6) |
| ☐ 5cm Mucky Peat or Peat (S3) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Gleyed Matrix (S4) | ☐ Redox Depressions (F8) |

Restrictive Layer (if observed): Type: Rock Depth: 25

Hydric Soil Present? ☐ Yes ☒ No

Comments: Soil pit on a slope, higher elevation than wetland

Project Site: Goffs Quarry Applicant/Owner: Scotia Materials County: Halifax PID: 00505941 if no explain: Atypical Situation? ☒ Yes ☐ No Explain: Very dry season Is this a potential Problem Area? ☐ Yes ☒ No Explain:	Date: September 9 2025 Field Investigator(s): LM Coordinates: 44°50'48.48"N, 63°33'45.44"W Do normal environmental conditions exist on-site? ☒ Yes ☐ No	Sample Point: Wet5
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Wetland Determination (Check One Only For Each Criteria)		
Dominant Hydrophytic Vegetation	(50/20 rule) ☒ Yes ☐ No	Wetland Determination ☒ Yes ☐ No
Wetland Hydrology	☒ Yes ☐ No	
Hydric Soils	☒ Yes ☐ No	
Wetland Type: Marsh Rational for Determination: Vegetation community		

Vegetation				Dominance Test Worksheet	
Tree Stratum: (Plot size: 30m)	% Cover	Dominant	Indicator	# of Dominant Species that are OBL, FACW, FAC: _____ Total # of Dominant Species across all strata: _____ % of Dominant Species that are OBL, FACW, FAC: _____	
1. <i>Acer rubrum</i>	10	N	FAC		
2. <i>Betula alleghaniensis</i>	5	N	FAC		
3. <i>Picea mariana</i>	10	N	FACW		
4. <i>Abies balsamea</i>	10	N	FAC		
5.					
	35	= Total Cover			
Shrub Stratum: (Plot size: 15m)	% Cover	Dominant	Indicator		
1. <i>Abies balsamea</i>	10	N	FAC		
2. <i>Picea mariana</i>	5	N	FACW		
3. <i>Acer rubrum</i>	5	N	FAC		
4.					
5.					
	20	= Total Cover			
Herb Stratum: (Plot size: 1.5m)	% Cover	Dominant	Indicator		
1. <i>Rubus pubescens</i>	5	N	FAC		
2. <i>Osmunda cinnamomea</i>	5	N	FAC		
3. <i>Cornus canadensis</i>	5	N	FAC		
4. <i>Gaultheria hispidula</i>	5	N	FAC		
5. <i>Solidago canadensis</i>	5	N	FAC		
6. <i>Solidago uliginosa</i>	5	N	OBL		
7. <i>Thelypteris palustris</i>	5	N	OBL		
8. <i>Oclemena nemoralis</i>	5	N	OBL		
9. <i>Typha latifolia</i>	5	N	OBL		
10.					
	45	= Total Cover			
				Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: _____ OBL Species: 20 x 1 = 20 FACW Species: 15 x 2 = 30 FAC Species: 65 x 3 = 195 FACU Species: 0 x 4 = 0 Column Totals: 100 245 Prevalence Index = B/A = 2.45	
				Hydrophytic Vegetation Indicators: ☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is > 50% ☒ Prevalence Index is ≤ 3.0 ¹ ☐ Morphological Adaptations ¹ (explain) ☐ Problematic Hydrophytic Vegetation ¹ (explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
				Hydrophytic Vegetation Present? ☒ Yes ☐ No	
Comments: Sphagnum moss coverage 70%					

Hydrology**Primary Hydrological Indicators:** (minimum of one is required; check all that apply)

- | | |
|---|---|
| ☒ Surface Water (A1) | ☐ Water Stained Leaves (B9) |
| ☒ High Water Table (A2) | ☐ Aquatic Fauna (B13) |
| ☒ Saturation (A3) | ☐ Marl Deposits (B15) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☐ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☐ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron reduction in tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Thin Muck Surface (C7) |
| ☒ Inundation Visible on Aerial Imagery (B7) | ☐ Other (Explain in Remarks) |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators: (minimum of two required)

- | | |
|--|---|
| ☐ Surface Soil Cracks (B6) | ☒ Stunted or Stressed Plants (D1) |
| ☐ Drainage Patterns (B10) | ☒ Geomorphic Position (D2) |
| ☐ Moss Trim Lines (B16) | ☐ Shallow Aquitard (D3) |
| ☐ Dry-Season Water Table (C2) | ☐ Microtopographic Relief (D4) |
| ☐ Crayfish Burrows (C8) | ☐ FAC-Neutral Test (D5) |
| ☐ Saturation Visible on Aerial Imagery (C9) | |

Field Observations:

Surface Water Present? ☒ Yes ☐ No Depth: 0 cm

Water Table Present? ☒ Yes ☐ No Depth: 25 cm

Saturation Present? ☒ Yes ☐ No Depth: 0 cm

Wetland Hydrology Present? ☒ Yes ☐ No

Comments:

Soil Profile

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

Depth	Matrix		Redox Features			Loc ²	Texture	Remarks
(cm)	Color (moist)	%	Color (moist)	%	Type ¹			
0-40	Organic							

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- | | |
|--|---|
| ☒ Histosol (A1) | ☐ Sandy Redox (S5) |
| ☐ Histic Epipedon (A2) | ☐ Stripped Matrix (S6) |
| ☐ Black Histic (A3) | ☐ Dark Surfaces (S7) |
| ☐ Hydrogen Sulfide (A4) | ☐ Polyvalue Below Surface (S8) |
| ☐ Stratified Layers (A5) | ☐ Thin Dark Surface (S9) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Matrix (F3) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Dark Surface (F6) |
| ☐ 5cm Mucky Peat or Peat (S3) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Gleyed Matrix (S4) | ☐ Redox Depressions (F8) |

Restrictive Layer (if observed): Type: _____ Depth: _____

Hydric Soil Present? ☒ Yes ☐ No

Comments:

Project Site: Goffs Quarry Applicant/Owner: Scotia Materials County: Halifax PID: 00505941 if no explain: Atypical Situation? ☒ Yes ☐ No Explain: Very dry season Is this a potential Problem Area? ☐ Yes ☒ No Explain:	Date: September 9 2025 Field Investigator(s): LM Coordinates: 44°50'48.56"N, 63°33'45.36"W Do normal environmental conditions exist on-site? ☒ Yes ☐ No	Sample Point: Up5
---	---	-------------------

Wetland Determination (Check One Only For Each Criteria)		
Dominant Hydrophytic Vegetation	(50/20 rule) ☒ Yes ☐ No	Wetland Determination ☐ Yes ☒ No
Wetland Hydrology	☐ Yes ☒ No	
Hydric Soils	☐ Yes ☒ No	
Wetland Type: N/A Rational for Determination: Lack of wetland hydrology and hydric soils		

Vegetation				Dominance Test Worksheet # of Dominant Species that are OBL, FACW, FAC: _____ Total # of Dominant Species across all strata: _____ % of Dominant Species that are OBL, FACW, FAC: _____	
Tree Stratum: (Plot size: 30m)					
1. <i>Abies balsamea</i>	30	Y	FAC	Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: OBL Species: 0 x 1 = 0 FACW Species: _____ x 2 = 0 FAC Species: 105 x 3 = 315 FACU Species: 0 x 4 = 0 Column Totals: 105 315 Prevalence Index = B/A = 3.00	
2. <i>Picea glauca</i>	20	Y	FAC		
3. <i>Acer rubrum</i>	15	N	FAC		
4.					
5.					
	65	= Total Cover			
Shrub Stratum: (Plot size: 15m)					
1. <i>Abies balsamea</i>	10	N	FAC		
2. <i>Picea glauca</i>	10	N	FAC		
3.					
4.					
5.					
	20	= Total Cover			
Herb Stratum: (Plot size: 1.5m)					
1. <i>Trientalis borealis</i>	10	N	FAC		
2. <i>Rhododendron canadense</i>	5	N	FAC		
3. <i>Maianthemum canadense</i>	5	N	FAC		
4.					
5.					
6.					
7.					
8.					
9.					
10.					
	20	= Total Cover			
Comments:				Hydrophytic Vegetation Indicators: ☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is > 50% ☒ Prevalence Index is ≤ 3.0 ¹ ☐ Morphological Adaptations ¹ (explain) ☐ Problematic Hydrophytic Vegetation ¹ (explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
				Hydrophytic Vegetation Present? ☒ Yes ☐ No	

Hydrology**Primary Hydrological Indicators:** (minimum of one is required; check all that apply)

- | | |
|--|---|
| ☐ Surface Water (A1) | ☐ Water Stained Leaves (B9) |
| ☐ High Water Table (A2) | ☐ Aquatic Fauna (B13) |
| ☐ Saturation (A3) | ☐ Marl Deposits (B15) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☐ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☐ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron reduction in tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Thin Muck Surface (C7) |
| ☐ Inundation Visible on Aerial Imagery (B7) | ☐ Other (Explain in Remarks) |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators: (minimum of two required)

- | | |
|--|--|
| ☐ Surface Soil Cracks (B6) | ☐ Stunted or Stressed Plants (D1) |
| ☐ Drainage Patterns (B10) | ☐ Geomorphic Position (D2) |
| ☐ Moss Trim Lines (B16) | ☐ Shallow Aquitard (D3) |
| ☐ Dry-Season Water Table (C2) | ☐ Microtopographic Relief (D4) |
| ☐ Crayfish Burrows (C8) | ☐ FAC-Neutral Test (D5) |
| ☐ Saturation Visible on Aerial Imagery (C9) | |

Field Observations:

Surface Water Present? ☐ Yes ☒ No Depth: -

Water Table Present? ☐ Yes ☒ No Depth: -

Saturation Present? ☐ Yes ☒ No Depth: -

Wetland Hydrology Present? ☐ Yes ☒ No

Comments:

Soil Profile

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

Depth	Matrix		Redox Features			Loc ²	Texture	Remarks
(cm)	Color (moist)	%	Color (moist)	%	Type ¹			
0-15	Organic							

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- | | |
|--|---|
| ☒ Histosol (A1) | ☐ Sandy Redox (S5) |
| ☐ Histic Epipedon (A2) | ☐ Stripped Matrix (S6) |
| ☐ Black Histic (A3) | ☐ Dark Surfaces (S7) |
| ☐ Hydrogen Sulfide (A4) | ☐ Polyvalue Below Surface (S8) |
| ☐ Stratified Layers (A5) | ☐ Thin Dark Surface (S9) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Matrix (F3) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Dark Surface (F6) |
| ☐ 5cm Mucky Peat or Peat (S3) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Gleyed Matrix (S4) | ☐ Redox Depressions (F8) |

Restrictive Layer (if observed): Type: Rock Depth: 15 cm

Hydric Soil Present? ☐ Yes ☒ No

Comments: No mineral soil present. The organic soil is laid directly on top of bedrock. The upland soil pit is located at a higher elevation than the wetland.

WETLAND DELINEATION DATA FORM – NOVA SCOTIA

Project/Site: Goffs Quarry Municipality/County: HRM Sampling Date: 29-Sep-20
 Applicant/Owner: Scotian Material Sampling Point: WL8
 Investigator(s): R. Gardiner Affiliation: McCallum Environmental Ltd.
 Landform (hillslope, terrace, etc.): Slope Local relief (concave, convex, none): Concave
 Slope (%): _____ Lat: 455815 Long: 4966147 Datum: NAD83
 Soil Map Unit Name/Type: _____ Wetland Type: Swamp

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
 Are Vegetation X, Soil X, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No _____
 Are Vegetation X, Soil X, or Hydrology X naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ☒ No _____	Is the Sampled Area within a Wetland? Yes ☒ No _____ If yes, optional Wetland Site ID: _____
Hydric Soil Present? Yes ☒ No _____	
Wetland Hydrology Present? Yes ☒ No _____	
Remarks: (Explain alternative procedures here or in a separate report.)	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>10m²</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>9</u> (A) Total Number of Dominant Species Across All Strata: <u>9</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																
1. <u>Acer rubrum</u>	<u>15</u>	☒	<u>FAC</u>																	
2. <u>Fraxinus americana</u>	<u>5</u>		<u>FAC</u>																	
3. <u>Betula populifolia</u>	<u>10</u>	☒	<u>FAC</u>																	
4. _____	_____		_____																	
5. _____	_____		_____	Prevalence Index worksheet: <table border="0"> <tr> <td>Total % Cover of:</td> <td>Multiply by:</td> </tr> <tr> <td>OBL species <u>12</u></td> <td>x 1 = <u>12</u></td> </tr> <tr> <td>FACW species <u>68</u></td> <td>x 2 = <u>136</u></td> </tr> <tr> <td>FAC species <u>138</u></td> <td>x 3 = <u>414</u></td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: <u>218</u> (A)</td> <td><u>562</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.58</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>12</u>	x 1 = <u>12</u>	FACW species <u>68</u>	x 2 = <u>136</u>	FAC species <u>138</u>	x 3 = <u>414</u>	FACU species _____	x 4 = _____	UPL species _____	x 5 = _____	Column Totals: <u>218</u> (A)	<u>562</u> (B)	Prevalence Index = B/A = <u>2.58</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>12</u>	x 1 = <u>12</u>																			
FACW species <u>68</u>	x 2 = <u>136</u>																			
FAC species <u>138</u>	x 3 = <u>414</u>																			
FACU species _____	x 4 = _____																			
UPL species _____	x 5 = _____																			
Column Totals: <u>218</u> (A)	<u>562</u> (B)																			
Prevalence Index = B/A = <u>2.58</u>																				
Sapling/Shrub Stratum (Plot size: <u>5m²</u>)																				
1. <u>Picea rubens</u>	<u>15</u>	☒	<u>FAC</u>																	
2. <u>Abies balsamea</u>	<u>15</u>	☒	<u>FAC</u>																	
3. <u>Acer rubrum</u>	<u>15</u>	☒	<u>FAC</u>																	
4. <u>Betula populifolia</u>	<u>15</u>	☒	<u>FAC</u>																	
5. _____	_____		_____	Hydrophytic Vegetation Indicators: ___ Rapid Test for Hydrophytic Vegetation ☒ Dominance Test is >50% ☒ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain)																
Herb Stratum (Plot size: <u>1m²</u>)																				
1. <u>Juncus effusus</u>	<u>20</u>	☒	<u>FACW</u>																	
2. <u>Scirpus cyperinus</u>	<u>25</u>	☒	<u>FACW</u>																	
3. <u>Doellingeria umbellata</u>	<u>10</u>		<u>FAC</u>																	
4. <u>Solidago rugosa</u>	<u>20</u>	☒	<u>FAC</u>																	
5. <u>Lysimachia terrestris</u>	<u>15</u>		<u>FACW+</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
6. <u>Symphytotrichum novi-belgii</u>	<u>5</u>		<u>FAC</u>																	
7. <u>Rubus hispidus</u>	<u>5</u>		<u>FACW</u>																	
8. <u>Rubus pubescens</u>	<u>3</u>		<u>FAC</u>																	
9. <u>Carex crinita</u>	<u>12</u>		<u>OBL</u>																	
10. <u>Thelypteris noveboracensis</u>	<u>5</u>		<u>FAC</u>	Hydrophytic Vegetation Present? Yes ☒ No _____																
Woody Vine Stratum (Plot size: _____)																				
1. _____	_____		_____																	
2. _____	_____		_____																	
_____ = Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.)																				

Adapted from U.S. Army Corps of Engineers form for Northeast-North Central Supplement for use in Nova Scotia (2009)

SOIL

Sampling Point: WL8

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

Depth (cm)	Matrix		Redox Features		Type ¹	Loc ²	Texture	Remarks
	Color (moist)	%	Color (moist)	%				
40-0								Organic

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- | | |
|--|---|
| ☒ Histosol (A1) | ☐ Stripped Matrix (S6) |
| ☐ Histic Epipedon (A2) | ☐ Dark Surfaces (S7) |
| ☐ Black Histic (A3) | ☐ Polyvalue Below Surface (S8) |
| ☐ Hydrogen Sulfide (A4) | ☐ Thin Dark Surface (S9) |
| ☐ Stratified Layers (A5) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Depleted Matrix (F3) |
| ☐ Thick Dark Surface (A12) | ☐ Redox Dark Surface (F6) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Gleyed Matrix (S4) | ☐ Redox Depressions (F8) |
| ☐ Sandy Redox (S5) | |

Indicators for Problematic Hydric Soils³:

- ☐ Coast Prairie Redox (A16)
- ☐ 5 c Mucky Peat or Peat (S3)
- ☐ Iron-Manganese Masses (F12)
- ☐ Piedmont Floodplain Soils (F19)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (F22)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Rock
Depth (cm): 40cm

Hydric Soil Present? Yes ☒ No ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- | | |
|--|---|
| ☒ Surface Water (A1) | ☐ Water-Stained Leaves (B9) |
| ☒ High Water Table (A2) | ☐ Aquatic Fauna (B13) |
| ☒ Saturation (A3) | ☐ Marl Deposits (B15) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☐ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☐ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Thin Muck Surface (C7) |
| ☐ Inundation Visible on Aerial Imagery (B7) | ☐ Other (Explain in Remarks) |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators (minimum of two 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 (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (cm): 2
Water Table Present? Yes ☒ No ☐ Depth (cm): -10
Saturation Present? Yes ☒ No ☐ Depth (cm): 0
(includes capillary fringe)

Wetland Hydrology Present? Yes ☒ No ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

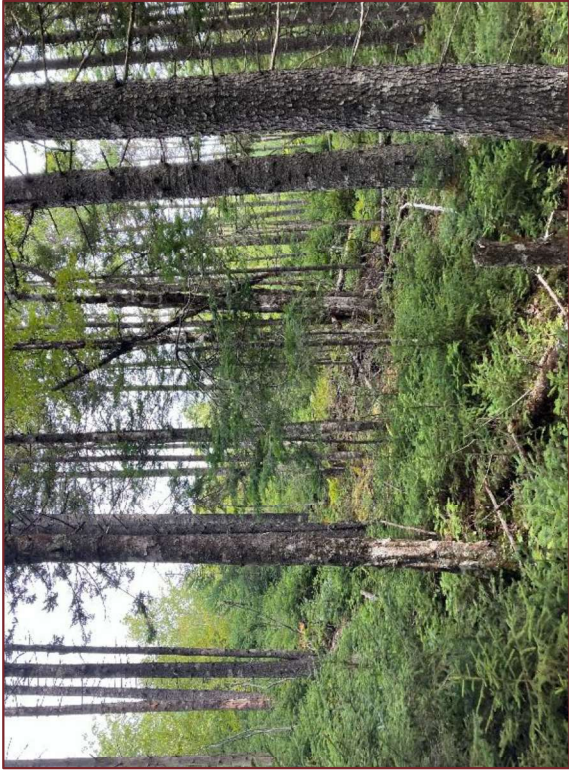
Remarks:



Site Photograph 1: Vegetation surrounding
Wetland 4 data point (2025-09-09)



Site Photograph 2: Soil pit at Wetland 4
(2025-09-09)

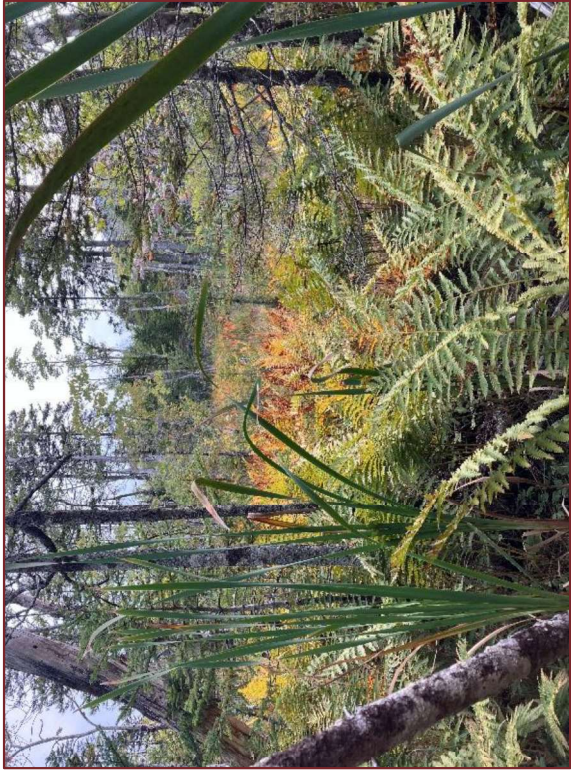


Site Photograph 3: Vegetation surrounding Upland
4 data point (2025-09-09)



Site Photograph 4: Soil pit at Upland 2
(2025-09-09)

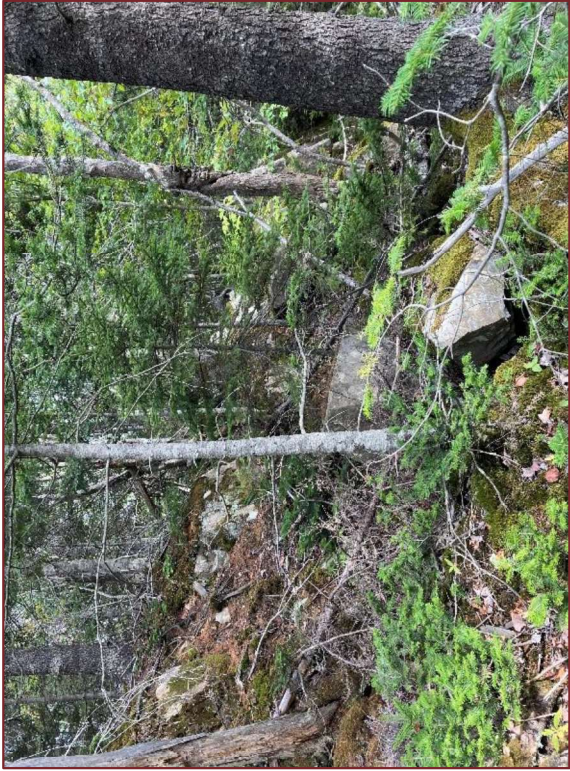
 GEMTEC CONSULTING ENGINEERS AND SCIENTISTS	Project Goffs Quarry EA, Goffs, Nova Scotia	APPENDIX G-2	Site Photographs
		File No. 103269.002	



Site Photograph 5: Vegetation surrounding
Wetland 5 data point (2025-09-09)



Site Photograph 6: Soil pit at Upland 5
(2025-09-09)



Site Photograph 7: Vegetation surrounding Upland
5 data point (2025-09-09)



Site Photograph 8: Soil pit at Upland 5
(2025-09-09)

 GEMTEC CONSULTING ENGINEERS AND SCIENTISTS	Project Goffs Quarry EA, Goffs, Nova Scotia	APPENDIX G-2	Site Photographs
		File No. 103269.002	

Site Name or ID:	Wetland 4
Investigator Name:	Laura Moore
Date of Field Assessment:	September 9, 2025

WESP-AC Non-tidal version 3.3: Results for this Assessment Area (AA):						
Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	0.34	Lower	5.75	Moderate	1.81	2.55
Stream Flow & Temperature Support (SFTS)	8.61	Higher	4.43	Moderate	6.61	2.90
Sediment & Toxicant Retention & Stabilisation (SR)	3.68	Moderate	0.28	Lower	4.65	0.39
Phosphorus Retention (PR)	3.75	Lower	0.40	Lower	5.95	0.68
Nitrate Removal & Retention (NR)	3.13	Moderate	6.67	Higher	5.11	6.67
Wildfire Resistance (WFR)	2.61	Moderate	4.36	Moderate	2.39	4.00
Carbon Stock Preservation (CSP)	3.58	Moderate			5.70	
Carbon Capture (CC)	5.09	Moderate			4.83	
Organic Nutrient Export (OE)	7.80	Higher			4.25	
Aquatic Primary Productivity (APP)	3.53	Lower	5.63	Moderate	3.71	4.44
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	6.29	Higher	2.49	Moderate	4.84	1.22
Amphibian Habitat (AM)	3.67	Moderate	3.88	Moderate	4.18	4.97
Waterbird Feeding Habitat (WBF)	5.82	Moderate	5.00	Moderate	4.11	5.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	8.32	Moderate	3.12	Lower	8.32	3.12
Keystone Mammal Habitat (KMH)	2.46	Lower	7.50	Higher	4.38	2.92
Native Plant Habitat (PH)	7.15	Higher	4.18	Moderate	7.05	4.73
Pollinator Habitat (POL)	9.98	Higher	3.33	Higher	9.49	3.33
Cultural & Recreational Importance (CRI)			2.77	Moderate		2.45
Wetland Sensitivity (Sens)			7.86	Higher		5.04
Wetland Stressors (STR)			2.90	Lower		3.00

Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.				
HYDROLOGIC (HYg) (WS)	0.34	Lower	5.75	Moderate
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	3.64	Moderate	4.56	Higher
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	7.63	Higher	5.33	Moderate
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.72	Higher	3.64	Moderate
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	9.23	Higher	3.86	Higher
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	NO			

1. General Description of Tool:

This interpretive tool automatically determines whether the subject wetland will be regulated as a Wetland of Special Significance (WSS). This determination is made based on the WESP-AC scores for functions and benefits, per the Nova Scotia *Wetland Conservation Policy*.

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions. Threshold values based on standard deviations of the FBP in the calibration data set (n= 121) are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' categories. The categories are subsequently used to apply the 'Functional WSS Rules' described below and automatically generate this type of WSS determination.

For the purpose of defining and applying the Functional WSS rules, two supergroups are defined based on grouped functions, as follows: **(1) Support Supergroup** - includes Hydrologic, Water Quality Support, and Aquatic Support grouped functions. **(2) Habitat Supergroup** - includes Aquatic Habitat and Transition Habitat grouped functions.

2. Functional WSS Rule Definitions:

Habitat Rule: In consideration of the Habitat Supergroup, the subject wetland is a WSS if **either** of the following sub-rules are satisfied:

(HAB 1) Two 'High Scores' **OR**

(HAB 2) One 'High' and one 'Moderate' score

Support Rule: In consideration of the Support Supergroup, the subject wetland is a WSS if **either** of the following sub-rules are satisfied:

(SUP 1) Three 'High' scores **OR**

(SUP 2) Two 'High' and one 'Moderate' score

Habitat/Support Hybrid Rule: In consideration of both the Habitat and Support Supergroups, the subject wetland is a WSS if the following is satisfied:

(HYB 1) One 'High' Habitat score **AND** Two or three 'High' Support scores

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	1.93	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	16.60	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	40.65	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	17.17	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	35.66	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO

CONCLUSION: NO

Site Name or ID:	Wetland 5
Investigator Name:	Laura Moore
Date of Field Assessment:	September 9, 2025

WESP-AC Non-tidal version 3.3: Results for this Assessment Area (AA):						
Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	1.73	Lower	4.60	Moderate	2.79	2.04
Stream Flow & Temperature Support (SFTS)	7.70	Higher	4.98	Moderate	5.91	3.26
Sediment & Toxicant Retention & Stabilisation (SR)	3.80	Moderate	0.71	Lower	4.75	0.72
Phosphorus Retention (PR)	5.78	Moderate	0.97	Lower	7.27	1.24
Nitrate Removal & Retention (NR)	3.39	Moderate	6.67	Higher	5.29	6.67
Wildfire Resistance (WFR)	5.20	Moderate	4.36	Moderate	4.77	4.00
Carbon Stock Preservation (CSP)	5.26	Moderate			6.66	
Carbon Capture (CC)	5.62	Moderate			4.98	
Organic Nutrient Export (OE)	9.56	Higher			5.20	
Aquatic Primary Productivity (APP)	7.10	Higher	6.91	Moderate	4.76	5.21
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	7.62	Higher	5.14	Higher	5.87	2.52
Amphibian Habitat (AM)	4.06	Moderate	4.60	Moderate	4.42	5.57
Waterbird Feeding Habitat (WBF)	9.38	Higher	5.00	Moderate	6.62	5.00
Waterbird Nesting Habitat (WBN)	8.90	Higher	5.00	Moderate	6.26	5.00
Raptor & Wetland Songbird Habitat (RSB)	8.20	Moderate	3.46	Moderate	8.20	3.46
Keystone Mammal Habitat (KMH)	1.59	Lower	7.50	Higher	3.92	2.92
Native Plant Habitat (PH)	4.15	Moderate	3.93	Moderate	6.25	4.50
Pollinator Habitat (POL)	9.51	Higher	3.33	Higher	9.05	3.33
Cultural & Recreational Importance (CRI)			3.11	Moderate		2.70
Wetland Sensitivity (Sens)			6.24	Moderate		4.51
Wetland Stressors (STR)			4.22	Moderate		3.85

Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.				
HYDROLOGIC (HYg) (WS)	1.73	Lower	4.60	Moderate
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	5.17	Moderate	4.72	Higher
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	8.84	Higher	6.43	Moderate
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	7.69	Higher	4.54	Higher
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.40	Higher	3.75	Higher
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	NO			

1. General Description of Tool:

This interpretive tool automatically determines whether the subject wetland will be regulated as a Wetland of Special Significance (WSS). This determination is made based on the WESP-AC scores for functions and benefits, per the Nova Scotia *Wetland Conservation Policy*.

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions. Threshold values based on standard deviations of the FBP in the calibration data set (n= 121) are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' categories. The categories are subsequently used to apply the 'Functional WSS Rules' described below and automatically generate this type of WSS determination.

For the purpose of defining and applying the Functional WSS rules, two supergroups are defined based on grouped functions, as follows: **(1) Support Supergroup** - includes Hydrologic, Water Quality Support, and Aquatic Support grouped functions. **(2) Habitat Supergroup** - includes Aquatic Habitat and Transition Habitat grouped functions.

2. Functional WSS Rule Definitions:

Habitat Rule: In consideration of the Habitat Supergroup, the subject wetland is a WSS if **either** of the following sub-rules are satisfied:

(HAB 1) Two 'High Scores' **OR**

(HAB 2) One 'High' and one 'Moderate' score

Support Rule: In consideration of the Support Supergroup, the subject wetland is a WSS if **either** of the following sub-rules are satisfied:

(SUP 1) Three 'High' scores **OR**

(SUP 2) Two 'High' and one 'Moderate' score

Habitat/Support Hybrid Rule: In consideration of both the Habitat and Support Supergroups, the subject wetland is a WSS if the following is satisfied:

(HYB 1) One 'High' Habitat score **AND** Two or three 'High' Support scores

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	7.96	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	24.42	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	56.79	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	34.92	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	31.53	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO

CONCLUSION: NO

Attribute	Site	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	WL8	6.34	Moderate	2.76	Lower	6.67	1.23
Stream Flow Support (SFS)	WL8	0.92	Lower	0.00	Lower	0.74	0.00
Streamwater Cooling (WC)	WL8	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilization (SR)	WL8	10.00	Higher	1.05	Lower	10.00	0.52
Phosphorus Retention (PR)	WL8	3.45	Moderate	1.34	Moderate	5.91	1.04
Nitrate Removal & Retention (NR)	WL8	10.00	Higher	3.50	Lower	10.00	3.50
Carbon Sequestration (CS)	WL8	4.72	Moderate			7.43	
Organic Nutrient Export (OE)	WL8	5.79	Moderate			3.78	
Anadromous Fish Habitat (FA)	WL8	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	WL8	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	WL8	2.52	Lower	4.22	Moderate	4.52	3.52
Amphibian Habitat (AM)	WL8	5.21	Moderate	4.84	Moderate	5.85	5.75
Waterbird Feeding Habitat (WBF)	WL8	5.92	Moderate	6.67	Moderate	4.51	6.67
Waterbird Nesting Habitat (WBN)	WL8	6.44	Moderate	0.00	Lower	4.67	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	WL8	6.97	Moderate	6.67	Moderate	6.07	6.67
Pollinator Habitat (POL)	WL8	9.01	Higher	6.67	Moderate	7.47	6.67
Native Plant Habitat (PH)	WL8	4.82	Moderate	6.73	Moderate	5.82	6.73
Public Use & Recognition (PU)	WL8			1.94	Moderate		1.63
Wetland Sensitivity (Sens)	WL8			6.96	Moderate		4.15
Wetland Ecological Condition (EC)	WL8			6.52	Higher		8.33
Wetland Stressors (STR) (higher score means more)	WL8			5.79	Moderate		2.97
Summary Ratings for Grouped Function:							
HYDROLOGIC Group (WS)	WL8	6.34	Moderate	2.76	Lower	6.67	1.23
WATER PURIFICATION Group	WL8	9.5	Higher	3	Lower	9.17	2.59
AQUATIC SUPPORT Group	WL8	1.08	Lower	2.89	Lower	3.39	2.34
AQUATIC HABITAT Group	WL8	4.85	Moderate	4.29	Moderate	4.43	4.57
TERRESTRIAL HABITAT Group	WL8	7.59	Higher	6.71	Moderate	6.96	6.71
WETLAND CONDITION	WL8			6.52	Higher		8.33
WETLAND RISK	WL8			7.08	Higher		3.56