

Table 1: Wetland Delineation Summary

#	Wetland ID	Wetland Type	Delineated Wetland Area (ha)	Total Wetland Area (ha)	Water Flow Path	Landscape Position	Landform Type	Hydric Soil Indicator	Hydrology Indicator	Wetland of Special Significance	Fish Presence	Vegetation - Highest Percent Cover from each Strata (T - Tree, S - Shrub, H - Herb)
1	WL01	Treed Fen-Swamp Complex	3.170	171.230	Throughflow	Terrene	Peatland	A1	A1,A2,A3	Yes	Yes	T: Black Spruce (<i>Picea mariana</i>) S: Balsam Fir (<i>Abies balsamea</i>), Mountain Holly (<i>Ilex mucronata</i>), and Yellow Birch (<i>Betula Alleghaniensis</i>) H: Three-seeded Sedge (<i>Carex trisperma</i>)
2	WL04	Treed Swamp-Fen Complex	5.868	57.374	Throughflow	Terrene	Basin	A1	A2,A3	Yes	Yes	T: Balsam Fir, Red Maple (<i>Acer rubrum</i>) S: Yellow Birch H: Cinnamon Fern, Interrupted Fern (<i>Claytonmunda claytoniana</i>), and Spotted Jewelweed (<i>Impatiens capensis</i>)
3	WL05	Treed Swamp	1.383	8.168	Throughflow	Terrene	Basin	A1	A1,A2,A3	Yes	No	T: Yellow Birch, Black Spruce S: Yellow Birch H: Nodding Sedge (<i>Carex gynandra</i>), Cinnamon Fern
4	WL06	Shrub Fen	1.009	5.513	Throughflow	Terrene	Basin	A1	A1,A2,A3	Yes	Yes	S: Speckled Alder (<i>Alnus incana</i>) and White Meadowsweet (<i>Spiraea alba</i>) H: Star Sedge (<i>Carex echinata</i>)
5	WL07	Shrub Swamp	0.500	3.516	Throughflow	Terrene	Basin	F3	A1,A2,A3	No	No	S: Speckled Alder H: Nodding Sedge
6	WL08	Shrub Swamp	0.751	0.852	Throughflow	Terrene	Hillslope	A2	A1,A2,A3,B1	Yes	No	T: Red Maple S: Speckled Alder H: Nodding Sedge, Rough-stemmed Goldenrod (<i>Solidago rugosa</i>)
7	WL10	Shrub Swamp	0.148	1.192	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No	T: Black Spruce S: Black Spruce H: Soft Rush (<i>Juncus effusus</i>), Sensitive Fern
8	WL11	Shrub Swamp	0.087	0.249	Outflow	Terrene	Basin	A1	A2,A3	No	No	S: Yellow Birch H: Nodding Sedge
9	WL13	Shrub Swamp	0.123	0.970	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	Yes	T: Red Maple S: Mountain Maple (<i>Acer spicatum</i>) H: Spotted Jewelweed
10	WL14	Treed Swamp	0.394	0.394	Outflow	Terrene	Basin	A1	A2,A3	No	No	T: Red Maple S: Balsam Fir, Red Maple, Yellow Birch H: Cinnamon Fern, Nodding Sedge, Three-seeded Sedge



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 13-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL01**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.71664 Long (DD) -62.1441 Elevation (m): 291
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
 Infilling

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Coniferous Coniferous Narrow-leaved Emergent (eg, Graminoid Dom.)

Fen Broadleaf Broadleaf (excl. Ericaceous) Robust emergent (eg, Typha, Schoenoplectus dom.)

Mixed-wood Mixed-wood Submerged/Floating-leaved

Ericaceous

REMARKS

Treed Fen

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
16 to 0								Organic
0								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input checked="" type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICEmari	<i>Picea mariana</i>	Black Spruce	S5	FACW	35	
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	15	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	YES
2	ILEXmucr	<i>Ilex mucronata</i>	Mountain Holly	S5	#N/A	5	YES
3	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	5	YES
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	15

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CAREtris	<i>Carex trisperma</i>	Three-seeded Sedge	S5	OBL	50	YES
2	OSMUcinn	<i>Polypodium cinnamomeum</i>	Cinnamon Fern	S5	FAC	5	
3	CORNcana	<i>Cornus canadensis</i>	Bunchberry	S5	FAC	5	
4	DRYOinte	<i>Dryopteris intermedia</i>	Evergreen Wood Fern	S5	FAC	5	
5	OXALmont	<i>Oxalis montana</i>	Common Wood Sorrel	S5	FAC	1	
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	66

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

OBL 50
 FACW 35
 FAC 41
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	1.93	Hydrophytic Vegetation Present
Dominance Test	75%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 13-Jun-25
 Wetland Evaluator(s): Liz Robinson, Beth Cameron

Wetland ID: **WL01**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.71675 Long (DD) -62.1443 Elevation (m): 278
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
 Infilling

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Coniferous Coniferous Narrow-leaved Emergent (eg, Graminoid Dom.)
 Fen Broadleaf Broadleaf (excl. Ericaceous) Robust emergent (eg, Typha, Schoenoplectus dom.)
 Mixed-wood Mixed-wood Submerged/Floating-leaved
 Ericaceous

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
5 to 0								organic
0 to 10	10YR 5/3	100					Silty Clay	
10								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	40	
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	30	
3	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	5	YES
2	PICErube	<i>Picea rubens</i>	Red Spruce	S5	FAC	2	
3	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	YES
4	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	5	YES
5	ACERspic	<i>Acer spicatum</i>	Mountain Maple	S5	FAC	1	
						TOTAL %	18

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ARALnudi	<i>Aralia nudicaulis</i>	Wild Sarsaparilla	S5	FAC	30	YES
2	CLINbore	<i>Clintonia borealis</i>	Yellow Bluebead Lily	S5	FAC	10	
3	COPTtrif	<i>Coptis trifolia</i>	Goldthread	S5	FAC	10	
4	DENNpunc	<i>Dennstaedtia punctilobula</i>	Eastern Hay-Scented Fern	S5	FAC	5	
5	MAIAcana	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	FAC	5	
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	60

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

UPL 0
 FACW 0
 FAC 108
 FACU 45
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.29	Non-Hydrophytic Vegetation
Dominance Test	75%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 19-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL04**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.71399 Long (DD) -62.1602 Elevation (m): 279
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
 Historic logging

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Fen

Coniferous
 Broadleaf
 Mixed-wood

Coniferous
 Broadleaf (excl. Ericaceous)
 Mixed-wood
 Ericaceous

Narrow-leaved Emergent (eg, Graminoid Dom.)
 Robust emergent (eg, Typha, Schoenoplectus dom.)
 Submerged/Floating-leaved

REMARKS

Treed basin swamp

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
10 to 0								organic
0								gravel refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	10	
2	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	10	
3	PICEmari	<i>Picea mariana</i>	Black Spruce	S5	FACW	5	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	2	YES
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						2	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CLAYclay	<i>Claytosmunda claytoniana</i>	Interrupted Fern	S5	Undetermined	20	YES
2	OSMUcinn	<i>Osmondastrum cinnamomeum</i>	Cinnamon Fern	S5	FAC	20	YES
3	ONOCsens	<i>Onoclea sensibilis</i>	Sensitive Fern	S5	FACW	5	
4	IMPAcape	<i>Impatiens capensis</i>	Spotted Jewelweed	S5	FAC	20	YES
5	RANUrepe	<i>Ranunculus repens</i>	Creeping Buttercup	SNA	FAC	5	
6	GLYCmeli	<i>Glyceria melicaria</i>	Slender Manna Grass	S4	OBL	5	
TOTAL %						75	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

OBL 5
 FACW 10
 FAC 67
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.76	Hydrophytic Vegetation Present
Dominance Test	75%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: _____
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL04**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.71394 Long (DD) -62.16 Elevation (m): 280
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes: _____

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
8 to 0								Organic
0 to 2	10YR 5/4	100					Silty Clay Loam	
2								Rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	40	
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	30	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	30	YES
2	SORBamer	<i>Sorbus americana</i>	American Mountain Ash	S5	FAC	2	
3	SAMBrace	<i>Sambucus racemosa</i>	Red Elderberry	S5	FACU	5	
4	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	1	
5		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	38

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ARALnudi	<i>Aralia nudicaulis</i>	Wild Sarsaparilla	S5	FAC	5	
2	CLINbore	<i>Clintonia borealis</i>	Yellow Bluebead Lily	S5	FAC	2	
3	MAIAcana	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	FAC	10	YES
4	OXALmont	<i>Oxalis montana</i>	Common Wood Sorrel	S5	FAC	5	
5	DRYOinte	<i>Dryopteris intermedia</i>	Evergreen Wood Fern	S5	FAC	5	
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	27

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

UPL 0
 FACW 0
 FAC 89
 FACU 46
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µs/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.34	Non-Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 12-Jun-25
 Wetland Evaluator(s): Beth Cameron

Wetland ID: **WL05**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): 293
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Fen

Coniferous
 Broadleaf
 Mixed-wood

Coniferous
 Broadleaf (excl. Ericaceous)
 Mixed-wood
 Ericaceous

Narrow-leaved Emergent (eg, Graminoid Dom.)
 Robust emergent (eg, Typha, Schoenoplectus dom.)
 Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
10 to 0								Organic
0								Rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input checked="" type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	10	
2	PICEmari	<i>Picea mariana</i>	Black Spruce	S5	FACW	5	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	3	YES
2	ACERspic	<i>Acer spicatum</i>	Mountain Maple	S5	FAC	1	
3	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	1	
4	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	1	
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						6	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CAREgyna	<i>Carex gynandra</i>	Nodding Sedge	S5	FACW	35	YES
2	OCLEnemo	<i>Oclemena nemoralis</i>	Bog Aster	S5	OBL	5	
3	OSMUcinn	<i>Polypodiaceae cinnamomeur</i>	Cinnamon Fern	S5	FAC	15	YES
4	RANUrepe	<i>Ranunculus repens</i>	Creeping Buttercup	SNA	FAC	5	
5	CLINbore	<i>Clintonia borealis</i>	Yellow Bluebead Lily	S5	FAC	2	
6	LYCOamer	<i>Lycopus americanus</i>	American Water Horehound	S5	OBL	2	
TOTAL %						64	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

OBL 7
 FACW 40
 FAC 38
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.36	Hydrophytic Vegetation Present
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 12-Jun-25
 Wetland Evaluator(s): Beth Camerson

Wetland ID: **WL05**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): 293
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes: _____

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
13 to 0								organics
0 to 9	7.5YR 4/3	100					Silt	
9								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	20	
2	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	50	
3	PICErube	<i>Picea rubens</i>	Red Spruce	S5	FAC	10	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERpens	<i>Acer pensylvanicum</i>	Striped Maple	S5	FACU	5	
2	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	5	
3	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	25	YES
4	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	10	YES
5		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	45

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CLINbore	<i>Clintonia borealis</i>	Yellow Bluebead Lily	S5	FAC	35	YES
2	DRYOinte	<i>Dryopteris intermedia</i>	Evergreen Wood Fern	S5	FAC	25	YES
3	COPTtrif	<i>Coptis trifolia</i>	Goldthread	S5	FAC	1	
4	MAIAcana	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	FAC	5	
5	PANAttrif	<i>Panax trifolius</i>	Dwarf Ginseng	S4	UPL	1	
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	67

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

UPL 0
 FACW 0
 FAC 131
 FACU 60
 UPL 1

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.32	Non-Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 19-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL06**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.70199 Long (DD) -62.1615 Elevation (m): 285
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
 Infilling from road and forestry activities

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

Shrub fen

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
5 to 0								organic
0								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input checked="" type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ALNUinca	<i>Alnus incana</i>	Speckled Alder	S5	FACW	5	YES
2	SPIRalba	<i>Spiraea alba</i>	White Meadowsweet	S5	FAC	5	YES
3	RUBUhis	<i>Rubus hispidus</i>	Bristly Dewberry	S5	FACW	5	YES
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						15	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CAREechi	<i>Carex echinata</i>	Star Sedge	S5	OBL	40	YES
2	CAREcane	<i>Carex canescens</i>	Silvery Sedge	S5	OBL	5	
3	OCLEnemo	<i>Oclemena nemoralis</i>	Bog Aster	S5	OBL	2	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %						47	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

OBL 47
 FACW 10
 FAC 5
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µs/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	1.32	Hydrophytic Vegetation Present
Dominance Test	150%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 19-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL06**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.70214 Long (DD) -62.1615 Elevation (m): 286
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
 Active forestry activities

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
2 to 0								Organic
0 to 20	7.5YR 4/4	100					Silty Clay	
20								Rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	<i>Picea rubens</i>	Red Spruce	S5	FAC	50	
2	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	10	
3	SORBamer	<i>Sorbus americana</i>	American Mountain Ash	S5	FAC	10	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	YES
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	5

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	<i>Cornus canadensis</i>	Bunchberry	S5	FAC	15	YES
2	LYSIbore	<i>Lysimachia borealis</i>	Northern Starflower	S5	FAC	2	
3	ARALnudi	<i>Aralia nudicaulis</i>	Wild Sarsaparilla	S5	FAC	2	
4	VACCangu	<i>Vaccinium angustifolium</i>	Late Lowbush Blueberry	S5	FAC	2	
5	MAIAcana	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	FAC	10	YES
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	31

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

UPL 0
 FACW 0
 FAC 106
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.00	Hydrophytic Vegetation Present
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 12-Jun-25
 Wetland Evaluator(s): Beth Cameron, Liz Robinson

Wetland ID: **WL07**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.71739 Long (DD) -62.1719 Elevation (m): 257
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
 Riparian swamp

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Fen

Coniferous
 Broadleaf
 Mixed-wood

Coniferous
 Broadleaf (excl. Ericaceous)
 Mixed-wood
 Ericaceous

Narrow-leaved Emergent (eg, Graminoid Dom.)
 Robust emergent (eg, Typha, Schoenoplectus dom.)
 Submerged/Floating-leaved

REMARKS

Riparian tall shrub swamp

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
5 to 0								organic
0 to 30	10YR 3/3	100					Clay	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <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 Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input checked="" type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ALNUinca	<i>Alnus incana</i>	Speckled Alder	S5	FACW	35	YES
2	RUBUidae	<i>Rubus idaeus</i>	Red Raspberry	S5	FAC	1	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						36	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CAREgyna	<i>Carex gynandra</i>	Nodding Sedge	S5	FACW	20	YES
2	SOLlrugo	<i>Solidago rugosa</i>	Rough-stemmed Goldenrod	S5	FAC	1	
3	JUNCeFFu	<i>Juncus effusus</i>	Soft Rush	S5	FACW	5	
4	ONOCsens	<i>Onoclea sensibilis</i>	Sensitive Fern	S5	FACW	5	
5	IRISvers	<i>Iris versicolor</i>	Harlequin Blue Flag	S5	FACW+	1	
6	EQUISylv	<i>Equisetum sylvaticum</i>	Woodland Horsetail	S5	FAC	1	
TOTAL %						33	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

OBL 0
 FACW 65
 FAC 3
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µs/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.04	Hydrophytic Vegetation Present
Dominance Test	150%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 12-Jun-25
 Wetland Evaluator(s): Beth Cameron, Liz Robinson

Wetland ID: **WL07**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.71748376 Long (DD) -62.1719 Elevation (m): 258
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____
 Landscape Type: Marine Estuarine Lotic Lentic Terrene
 Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other
 Local Relief: Convex Concave None
 Significantly Disturbed: Vegetation Soils Hydrology
 Naturally Problematic: Vegetation Soils Hydrology

Notes:

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh
 Bog Coniferous Coniferous Narrow-leaved Emergent (eg, Graminoid Dom.)
 Fen Broadleaf Broadleaf (excl. Ericaceous) Robust emergent (eg, Typha, Schoenoplectus dom.)
 Mixed-wood Mixed-wood Submerged/Floating-leaved
 Ericaceous

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
2 to 0								organic
0 to 16	7.5YR 3/4	100					Silt Loam	
16 to 28	7.5YR 3/3	100					Sandy Clay	
28								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICerube	<i>Picea rubens</i>	Red Spruce	S5	FAC	30	
2	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	10	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PRUNpens	<i>Prunus pensylvanica</i>	Pin Cherry	S5	FACU	20	YES
2	SAMBrace	<i>Sambucus racemosa</i>	Red Elderberry	S5	FACU	10	
3	ALNUinca	<i>Alnus incana</i>	Speckled Alder	S5	FACW	20	YES
4	VIBUcass	<i>Viburnum cassinoides</i>	Northern Wild Raisin	S5	FAC	10	
5	VACCangu	<i>Vaccinium angustifolium</i>	Late Lowbush Blueberry	S5	FAC	10	
						TOTAL %	70

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	DENNpunc	<i>Dennstaedtia punctilobula</i>	Eastern Hay-Scented Fern	S5	FAC	40	YES
2	SOLIrugo	<i>Solidago rugosa</i>	Rough-stemmed Goldenrod	S5	FAC	5	
3	MAIAcana	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	FAC	5	
4	LYSIbore	<i>Lysimachia borealis</i>	Northern Starflower	S5	FAC	1	
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	51

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

UPL 0
 FACW 20
 FAC 111
 FACU 30
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µs/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.06	Non-Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 24-Jun-25
 Wetland Evaluator(s): Sophie Jensen

Wetland ID: **WL08**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.69648 Long (DD) -62.1748 Elevation (m): 274
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes: _____

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Fen

Coniferous
 Broadleaf
 Mixed-wood

Coniferous
 Broadleaf (excl. Ericaceous)
 Mixed-wood
 Ericaceous

Narrow-leaved Emergent (eg, Graminoid Dom.)
 Robust emergent (eg, Typha, Schoenoplectus dom.)
 Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
10 to 0								Organic
0								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input type="checkbox"/> Histosol (A1) <input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input checked="" type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input checked="" type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input checked="" type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	5	
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ALNUinca	<i>Alnus incana</i>	Speckled Alder	S5	FACW	85	YES
2	RUBUidae	<i>Rubus idaeus</i>	Red Raspberry	S5	FAC	5	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						90	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	SOLlrugo	<i>Solidago rugosa</i>	Rough-stemmed Goldenrod	S5	FAC	20	YES
2	ONOCsens	<i>Onoclea sensibilis</i>	Sensitive Fern	S5	FACW	15	
3	CAREcane	<i>Carex canescens</i>	Silvery Sedge	S5	OBL	10	
4	CAREgyna	<i>Carex gynandra</i>	Nodding Sedge	S5	FACW	20	YES
5	CAREstip	<i>Carex stipata</i>	Awl-fruited Sedge	S5	OBL	10	
6	RUBUhispp	<i>Rubus hispidus</i>	Bristly Dewberry	S5	FACW	5	
TOTAL %						80	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

OBL 20
 FACW 125
 FAC 30
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.06	Hydrophytic Vegetation Present
Dominance Test	133%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 24-Jun-25
 Wetland Evaluator(s): Sophie Jensen

Wetland ID: **WL08**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.69643 Long (DD) -62.1747 Elevation (m): 275
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes: _____

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
0 to 15	7.5YR 3/4	100					Loamy Sand	
15								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	15	
2	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	60	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	65	YES
2	ALNUinca	<i>Alnus incana</i>	Speckled Alder	S5	FACW	15	
3	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	10	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						90	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

UPL 0
 FACW 15
 FAC 150
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.91	Hydrophytic Vegetation Present
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 26-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL10**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.69508149 Long (DD) -62.120266 Elevation (m): 282
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
Infilling

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
14 to 0								organic
0								gravel refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input checked="" type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICEmari	<i>Picea mariana</i>	Black Spruce	S5	FACW	5	
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	5	YES
2	PICEmari	<i>Picea mariana</i>	Black Spruce	S5	FACW	20	YES
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						25	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	SCIRcype	<i>Scirpus cyperinus</i>	Common Woolly Bulrush	S5	FACW	5	
2	ONOCsens	<i>Onoclea sensibilis</i>	Sensitive Fern	S5	FACW	10	YES
3	JUNCeFFu	<i>Juncus effusus</i>	Soft Rush	S5	FACW	20	YES
4	IMPAcape	<i>Impatiens capensis</i>	Spotted Jewelweed	S5	FAC	5	
5	GLYCmeli	<i>Glyceria melicaria</i>	Slender Manna Grass	S4	OBL	5	
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %						45	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

UPL 5
 FACW 60
 FAC 10
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.07	Hydrophytic Vegetation Present
Dominance Test	125%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 25-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL10**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.69503134 Long (DD) -62.120340 Elevation (m): 283
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
 Infilling from road

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Coniferous Coniferous Narrow-leaved Emergent (eg, Graminoid Dom.)
 Fen Broadleaf Broadleaf (excl. Ericaceous) Robust emergent (eg, Typha, Schoenoplectus dom.)
 Mixed-wood Mixed-wood Submerged/Floating-leaved
 Ericaceous

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
0 to 15	7.5YR 3/4	100					Silt Loam	
15								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	30	
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	50	
3	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERspic	<i>Acer spicatum</i>	Mountain Maple	S5	FAC	5	YES
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	5	YES
3	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	5	YES
4	CORYcorn	<i>Corylus cornuta</i>	Beaked Hazel	S5	FAC	1	
5		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	16

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	DENNpunc	<i>Dennstaedtia punctilobula</i>	Eastern Hay-Scented Fern	S5	FAC	20	YES
2	ARALnudi	<i>Aralia nudicaulis</i>	Wild Sarsaparilla	S5	FAC	5	
3	MAIAcana	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	FAC	5	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	30

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

UPL 0
 FACW 0
 FAC 96
 FACU 35
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.27	Non-Hydrophytic Vegetation
Dominance Test	75%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 25-Jun-25
 Wetland Evaluator(s): Liz Robinson, Sophie Jensen

Wetland ID: **WL11**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.6923669 Long (DD) -62.118921 Elevation (m): 284
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene
 Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other
 Local Relief: Convex Concave None
 Significantly Disturbed: Vegetation Soils Hydrology
 Naturally Problematic: Vegetation Soils Hydrology

Notes:
Infilling from road

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh
 Bog Fen Coniferous Broadleaf Mixed-wood
 Broadleaf (excl. Ericaceous) Mixed-wood Ericaceous
 Narrow-leaved Emergent (eg, Graminoid Dom.)
 Robust emergent (eg, Typha, Schoenoplectus dom.)
 Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
6 to 0								organic
0								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	SPIRtome	<i>Spiraea tomentosa</i>	Steeplebush	S5	FAC	1	
2	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	1	
3	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	5	YES
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						7	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CAREgyna	<i>Carex gynandra</i>	Nodding Sedge	S5	FACW	80	YES
2	IMPAcape	<i>Impatiens capensis</i>	Spotted Jewelweed	S5	FAC	5	
3	SOLlrugo	<i>Solidago rugosa</i>	Rough-stemmed Goldenrod	S5	FAC	5	
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %						90	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

OBL 0
 FACW 80
 FAC 17
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µs/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.18	Hydrophytic Vegetation Present
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 25-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL11**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.69241469 Long (DD) -62.118789 Elevation (m): 284
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes: _____

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Coniferous Coniferous Narrow-leaved Emergent (eg, Graminoid Dom.)
 Fen Broadleaf Broadleaf (excl. Ericaceous) Robust emergent (eg, Typha, Schoenoplectus dom.)
 Mixed-wood Mixed-wood Submerged/Floating-leaved
 Ericaceous

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
2 to 0								organic
0 to 8	7.5YR 4/4	100					Silt Loam	
8								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	20	
2	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	20	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	5	YES
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	5	YES
3	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	10	YES
4	VACCangu	<i>Vaccinium angustifolium</i>	Late Lowbush Blueberry	S5	FAC	5	YES
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						25	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	HIERlach	<i>Hieracium lachenalii</i>	Common Hawkweed	SNA	Undetermined	15	YES
2	MAIAcana	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	FAC	5	YES
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %						20	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

UPL 0
 FACW 0
 FAC 65
 FACU 5
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.07	Non-Hydrophytic Vegetation
Dominance Test	67%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 20-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL13**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.67899 Long (DD) -62.108819 Elevation (m): 240
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
16 to 0								Organic
0								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input checked="" type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	15	
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	5	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERspic	<i>Acer spicatum</i>	Mountain Maple	S5	FAC	5	YES
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	5

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	IMPAcape	<i>Impatiens capensis</i>	Spotted Jewelweed	S5	FAC	30	YES
2	CARDprat	<i>Cardamine pratensis</i>	Cuckoo Flower	SNA	OBL	2	
3	CAREstip	<i>Carex stipata</i>	Awl-fruited Sedge	S5	OBL	5	
4	CAREgyna	<i>Carex gynandra</i>	Nodding Sedge	S5	FACW	15	YES
5	ONOCsens	<i>Onoclea sensibilis</i>	Sensitive Fern	S5	FACW	10	
6	RANUrepe	<i>Ranunculus repens</i>	Creeping Buttercup	SNA	FAC	5	
						TOTAL %	67

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

OBL 7
 FACW 25
 FAC 60
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.58	Hydrophytic Vegetation Present
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 20-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL13**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.67898 Long (DD) -62.108748 Elevation (m): 242
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes: _____

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
1 to 0								organic
0 to 3	7.5YR 3/4	100					Silt Loam	
3								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	40	
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	30	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %							

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	20	YES
2	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	YES
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
TOTAL %						25	

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PARAnove	<i>arathelypteris noveboracensis</i>	New York Fern	S5	UPL	50	YES
2	CLINbore	<i>Clintonia borealis</i>	Yellow Bluebead Lily	S5	FAC	5	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
TOTAL %						55	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
TOTAL %						0	

UPL 0
 FACW 0
 FAC 60
 FACU 40
 UPL 50

Water Quality (Optional)			
T (°C)	Cond (µs/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.93	Non-Hydrophytic Vegetation
Dominance Test	67%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 26-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL14**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.67543 Long (DD) -62.104706 Elevation (m): 276
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%):

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes:
 Historic logging

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

Saltmarsh Forested Swamp Shrub Swamp Marsh

Bog Fen

Coniferous
 Broadleaf
 Mixed-wood

Coniferous
 Broadleaf (excl. Ericaceous)
 Mixed-wood
 Ericaceous

Narrow-leaved Emergent (eg, Graminoid Dom.)
 Robust emergent (eg, Typha, Schoenoplectus dom.)
 Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
20 to 0								organic
0								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<input checked="" 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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input checked="" type="checkbox"/> High Water Table (A2) Depth (cm): <input checked="" type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	40	
2	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	YES
2	ACERrubr	<i>Acer rubrum</i>	Red Maple	S5	FAC	5	YES
3	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	5	YES
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	15

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	OSMUcinn	<i>Osmondastrum cinnamomeum</i>	Cinnamon Fern	S5	FAC	20	YES
2	CAREgyna	<i>Carex gynandra</i>	Nodding Sedge	S5	FACW	15	YES
3	CAREechi	<i>Carex echinata</i>	Star Sedge	S5	OBL	10	
4	MAIAcana	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	FAC	5	
5	CAREtris	<i>Carex trisperma</i>	Three-seeded Sedge	S5	OBL	15	YES
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	65

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

UPL 25
 FACW 15
 FAC 85
 FACU 0
 UPL 0

Water Quality (Optional)			
T (°C)	Cond (µS/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.48	Hydrophytic Vegetation Present
Dominance Test	100%	Hydrophytic Vegetation Present



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Eigg Mtn Municipality/County: Antigonish
 Applicant/Owner: RES Sample Date: 26-Jun-25
 Wetland Evaluator(s): Liz Robinson

Wetland ID: **WL14**
 Plot Type: Wetland Upland

Wetland Plot Coordinates: Lat (DD) 45.67541 Long (DD) -62.104903 Elevation (m): 277
 Datum: WGS84 NAD83 UTM N (m): n/a JTM E (m) n/a Slope (%): _____

Water Flow Path: Outflow Inflow Throughflow Tidal Soil Map Unit Name: _____

Landscape Type: Marine Estuarine Lotic Lentic Terrene

Landform Type: Fringe Basin Flat Hillslope Peatland
 Terrace Lake Pond Floodplain Other

Local Relief: Convex Concave None

Significantly Disturbed: Vegetation Soils Hydrology

Naturally Problematic: Vegetation Soils Hydrology

Notes: _____

Are climatic/hydrologic conditions typical for this time of year? Yes No Are 'Normal Circumstances' present? Yes No

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a wetland? Yes No
 Hydric Soil Present? Yes No WESP-AC functional assessment completed? Yes No
 Wetland Hydrology Present? Yes No

Wetland Type & Subtype (select multiple if a complex):

- Saltmarsh
- Bog
- Fen
- Forested Swamp
 - Coniferous
 - Broadleaf
 - Mixed-wood
- Shrub Swamp
 - Coniferous
 - Broadleaf (excl. Ericaceous)
 - Mixed-wood
 - Ericaceous
- Marsh
 - Narrow-leaved Emergent (eg, Graminoid Dom.)
 - Robust emergent (eg, Typha, Schoenoplectus dom.)
 - Submerged/Floating-leaved

REMARKS

SOIL PROFILE

Depth (cm)	Matrix		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
3 to 0								organic
0 to 2	7.5YR 5/4	100					Silty Clay Loam	
2 to 24	5YR 3/4	100					Silt Loam	
24								rock refusal

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix



WETLAND DELINEATION DATA FORM - NOVA SCOTIA

HYDRIC SOIL INDICATORS		
All Soils	Sandy Soils	Fine Textured Soils
<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"/> Coast Prairie Redox (A16)*	<input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)* <input type="checkbox"/> Sandy Gleyed Matrix (S4)* <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Polyvalue Below Surface (S8) <input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depression (F8) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Red Parent Material (TF2)

* denotes indicators for Problematic Hydric Soils. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

WETLAND HYDROLOGY INDICATORS		
Primary (One required; check all that apply)		Secondary (Two required, if no primary ind.)
<input type="checkbox"/> Surface Water (A1) Depth (cm): <input type="checkbox"/> High Water Table (A2) Depth (cm): <input type="checkbox"/> Saturation (A3) Depth (cm): <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

VEGETATION - Tree Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERsacc	<i>Acer saccharum</i>	Sugar Maple	S4S5	FACU	50	
2	BETUalle	<i>Betula alleghaniensis</i>	Yellow Birch	S5	FAC	5	
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
6		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	

VEGETATION - Shrub Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	FAGUgran	<i>Fagus grandifolia</i>	American Beech	S3S4	UPL	15	YES
2	ABIEbals	<i>Abies balsamea</i>	Balsam Fir	S5	FAC	5	YES
3	ACERpens	<i>Acer pensylvanicum</i>	Striped Maple	S5	FACU	5	YES
4		#N/A	#N/A	#N/A	#N/A		
5		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	25

VEGETATION - Herbaceous Stratum							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	DRYOinte	<i>Dryopteris intermedia</i>	Evergreen Wood Fern	S5	FAC	20	YES
2	ARALnudi	<i>Aralia nudicaulis</i>	Wild Sarsaparilla	S5	FAC	2	
3	TRILundu	<i>Trillidium undulatum</i>	Painted Trillium	S5	FAC	5	
4	MEDEvirg	<i>Medeola virginiana</i>	Cucumber Root	S5	FACU	1	
5	AMAU nove	#N/A	#N/A	#N/A	#N/A	30	YES
6	CLINbore	<i>Clintonia borealis</i>	Yellow Bluebead Lily	S5	FAC	2	
						TOTAL %	60

VEGETATION - Mosses and Ground Lichens (OPTIONAL)							
#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1		#N/A	#N/A	#N/A	#N/A		
2		#N/A	#N/A	#N/A	#N/A		
3		#N/A	#N/A	#N/A	#N/A		
4		#N/A	#N/A	#N/A	#N/A		
						TOTAL %	0

UPL 0
 FACW 0
 FAC 39
 FACU 56
 UPL 15

Water Quality (Optional)			
T (°C)	Cond (µs/cm)	pH	TDS (ppm)

Tests for Hydrophytic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.78	Non-Hydrophytic Vegetation
Dominance Test	40%	Non-Hydrophytic Vegetation

Table 2: WESP-AC Function Scores Summary

WL ID	Function Scores (Normalised)																		
	Surface Water Storage (WS)	Stream Flow & Temperature Support (SFTS)	Sediment & Toxicant Retention & Stabilisation (SR)	Phosphorus Retention (PR)	Nitrate Removal & Retention (NR)	Wildfire Resistance (WFR)	Carbon Stock Preservation (CSP)	Carbon Capture (CC)	Organic Nutrient Export (OE)	Aquatic Primary Productivity (APP)	Anadromous Fish Habitat (FA)	Resident & Other Fish Habitat (FR)	Amphibian Habitat (AM)	Waterbird Feeding Habitat (WBF)	Waterbird Nesting Habitat (WBN)	Raptor & Wetland Songbird Habitat (RSB)	Keystone Mammal Habitat (KMH)	Native Plant Habitat (PH)	Pollinator Habitat (POL)
EM-WL01	0.63	8.13	3.72	3.92	2.99	1.23	5.57	5.64	10.04	6.82	7.28	6.94	4.80	0.00	0.00	8.40	13.13	6.86	9.92
EM-WL04	7.28	4.61	5.40	5.95	3.51	0.70	4.53	3.28	7.53	3.33	0.00	0.00	5.58	0.00	0.00	7.00	13.13	4.52	9.28
EM-WL05	7.08	0.00	3.73	10.00	10.00	0.48	9.41	1.51	0.00	-0.75	0.00	0.00	3.39	0.00	0.00	6.56	13.13	2.98	9.77
EM-WL06	1.52	8.03	1.77	3.68	2.29	2.66	3.10	4.81	6.41	5.90	0.00	4.98	4.49	5.43	6.36	7.86	2.47	4.62	9.79
EM-WL07	3.77	5.14	2.06	4.15	2.39	1.30	6.54	4.22	8.49	5.13	0.00	4.08	1.61	5.04	5.75	6.49	13.13	4.22	9.83
EM-WL08	2.41	4.96	1.94	4.46	2.43	1.95	4.44	4.34	6.61	3.59	0.00	4.18	1.52	3.28	0.00	7.87	5.58	4.41	9.63
EM-WL10	9.21	4.45	6.39	6.60	4.49	0.34	4.45	1.95	6.47	0.73	0.00	0.00	2.52	0.00	0.00	6.62	13.13	1.40	9.69
EM-WL11	7.08	4.61	4.42	5.52	3.78	0.70	4.69	2.37	6.96	1.25	0.00	0.00	3.74	0.00	0.00	6.66	13.13	1.85	9.64
EM-WL13	0.12	8.49	2.12	2.10	2.43	2.18	5.49	3.60	8.03	2.85	0.00	3.91	1.70	4.21	4.51	7.62	5.26	3.08	9.62
EM-WL14	6.84	2.69	7.37	5.74	4.96	0.23	5.36	2.92	6.04	2.13	0.00	0.00	4.68	0.00	0.00	6.79	13.13	4.15	9.75
	% Summary of Function Scores (Normalised)																		
Low	40	10	40	20	10	90	0	50	10	70	90	50	40	60	70	0	10	40	0
Moderate	50	60	50	60	70	10	90	50	50	20	0	40	60	40	30	100	20	50	0
High	10	30	10	20	20	0	10	0	40	10	10	10	0	0	0	0	70	10	100

Function-Benefit Product Supergroup	Function-Benefit Product Score Category									
	EM-WL01	EM-WL04	EM-WL05	EM-WL06	EM-WL07	EM-WL08	EM-WL10	EM-WL11	EM-WL13	EM-WL14
Support - Hydrologic	Low	Moderate	High	Low	Low	Low	High	Moderate	Low	Moderate
Support - Water & Climate Protection	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Support - Aquatic Support	High	Moderate	Low	High	Moderate	Moderate	Low	Moderate	Moderate	Low
Habitat - Aquatic Habitat	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Habitat - Transition Habitat	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
3a. Functional WSS Determination: Automatic Method										
Habitat Rule Satisfied?	NO									
Support Rule Satisfied?	NO									
Habitat/ Support Hybrid Rule Satisfied?	NO									
Conclusion:	In NS, this site is not a WSS									

Site Name or ID#: EM-WL-01
Investigator Name: Liz Robinson
Date of Field Assessment: 12 June 2025
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

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)	0.63	Lower	5.87	Moderate	2.01	2.60
Stream Flow & Temperature Support (SFTS)	8.13	Higher	5.84	Higher	6.25	3.82
Sediment & Toxicant Retention & Stabilisation (SR)	3.72	Moderate	0.52	Lower	4.69	0.57
Phosphorus Retention (PR)	3.92	Moderate	0.74	Lower	6.07	1.01
Nitrate Removal & Retention (NR)	2.99	Moderate	2.08	Lower	5.01	2.08
Wildfire Resistance (WFR)	1.23	Lower	0.00	Lower	1.13	0.00
Carbon Stock Preservation (CSP)	5.57	Moderate			6.84	
Carbon Capture (CC)	5.64	Moderate			4.98	
Organic Nutrient Export (OE)	10.04	Higher			5.47	
Aquatic Primary Productivity (APP)	6.82	Higher	11.10	Higher	4.68	6.10
Anadromous Fish Habitat (FA)	7.28	Higher	4.07	Moderate	5.33	2.00
Resident & Other Fish Habitat (FR)	6.94	Higher	0.26	Lower	5.35	2.00
Amphibian Habitat (AM)	4.80	Moderate	2.92	Moderate	4.89	2.92
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	8.40	Moderate	-5.65	Lower	8.40	0.72
Keystone Mammal Habitat (KMH)	13.13	Higher	1.26	Lower	10.00	2.08
Native Plant Habitat (PH)	6.86	Higher	3.14	Moderate	6.97	3.14
Pollinator Habitat (POL)	9.92	Higher	3.94	Moderate	9.44	3.33
Cultural & Recreational Importance (CRI)			3.87	Lower		3.73
Wetland Sensitivity (Sens)			4.67	Moderate		4.13
Wetland Stressors (STR)			4.92	Moderate		4.30
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)	0.63	Lower	5.87	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	4.81	Moderate	1.60	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	9.19	Higher	9.79	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	5.54	Higher	2.76	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	9.16	Higher	2.21	Moderate		
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	3.69	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	7.69	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	89.94	High
HABITAT SUPERGROUP - AQUATIC HABITAT	15.29	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	20.23	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#:	CBCL-EM-WL04
Investigator Name:	Liz Robinson
Date of Field Assessment:	19-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	7.28	Moderate	4.96	Moderate	6.69	2.20
Stream Flow & Temperature Support (SFTS)	4.61	Moderate	1.84	Lower	3.54	1.20
Sediment & Toxicant Retention & Stabilisation (SR)	5.40	Moderate	0.06	Lower	6.11	0.22
Phosphorus Retention (PR)	5.95	Moderate	0.09	Lower	7.38	0.38
Nitrate Removal & Retention (NR)	3.51	Moderate	0.89	Lower	5.38	0.89
Wildfire Resistance (WFR)	0.70	Lower	0.00	Lower	0.65	0.00
Carbon Stock Preservation (CSP)	4.53	Moderate			6.24	
Carbon Capture (CC)	3.28	Lower			4.32	
Organic Nutrient Export (OE)	7.53	Higher			4.10	
Aquatic Primary Productivity (APP)	3.33	Lower	10.15	Higher	3.65	5.58
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	-2.17	Lower	0.00	0.00
Amphibian Habitat (AM)	5.58	Moderate	2.57	Moderate	5.39	2.57
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.00	Moderate	-1.31	Lower	7.00	1.45
Keystone Mammal Habitat (KMH)	13.13	Higher	1.26	Lower	10.00	2.08
Native Plant Habitat (PH)	4.52	Moderate	2.97	Moderate	6.34	2.97
Pollinator Habitat (POL)	9.28	Higher	3.94	Moderate	8.82	3.33
Cultural & Recreational Importance (CRI)			2.13	Lower		3.16
Wetland Sensitivity (Sens)			4.77	Moderate		4.20
Wetland Stressors (STR)			2.80	Lower		2.94
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)	7.28	Moderate	4.96	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	5.40	Moderate	0.62	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	6.34	Higher	8.07	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.35	Moderate	1.32	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.11	Higher	2.90	Moderate		
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	36.12	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	3.35	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	51.19	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	4.43	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	23.54	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#:	CBCL-EM-WL05
Investigator Name:	Liz Robinson
Date of Field Assessment:	13-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	7.08	Moderate	6.45	Higher	6.56	2.86
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	3.73	Moderate	1.11	Lower	4.69	1.04
Phosphorus Retention (PR)	10.00	Higher	1.10	Lower	10.00	1.36
Nitrate Removal & Retention (NR)	10.00	Higher	4.03	Moderate	10.00	4.03
Wildfire Resistance (WFR)	0.48	Lower	0.00	Lower	0.44	0.00
Carbon Stock Preservation (CSP)	9.41	Higher			9.05	
Carbon Capture (CC)	1.51	Lower			3.82	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.75	Lower	9.83	Higher	2.45	5.40
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	-2.17	Lower	0.00	0.00
Amphibian Habitat (AM)	3.39	Moderate	2.67	Moderate	3.99	2.67
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.56	Moderate	-0.68	Lower	6.56	1.55
Keystone Mammal Habitat (KMH)	13.13	Higher	2.18	Lower	10.00	2.92
Native Plant Habitat (PH)	2.98	Lower	2.89	Moderate	5.93	2.89
Pollinator Habitat (POL)	9.77	Higher	3.94	Moderate	9.29	3.33
Cultural & Recreational Importance (CRI)			2.44	Lower		3.26
Wetland Sensitivity (Sens)			7.39	Higher		5.88
Wetland Stressors (STR)			5.92	Higher		4.93
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)	7.08	Moderate	6.45	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.14	Higher	3.05	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.13	Lower	7.37	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.03	Moderate	1.38	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.10	Higher	3.00	Moderate		
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	45.68	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	27.92	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.92	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.81	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	24.27	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#:	CBCL-EM-WL06
Investigator Name:	Liz Robinson
Date of Field Assessment:	19-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	1.52	Lower	4.06	Moderate	2.64	1.80
Stream Flow & Temperature Support (SFTS)	8.03	Higher	5.32	Higher	6.17	3.48
Sediment & Toxicant Retention & Stabilisation (SR)	1.77	Lower	1.04	Lower	3.03	0.98
Phosphorus Retention (PR)	3.68	Lower	1.05	Lower	5.91	1.31
Nitrate Removal & Retention (NR)	2.29	Lower	2.50	Lower	4.51	2.50
Wildfire Resistance (WFR)	2.66	Moderate	0.00	Lower	2.44	0.00
Carbon Stock Preservation (CSP)	3.10	Moderate			5.42	
Carbon Capture (CC)	4.81	Moderate			4.75	
Organic Nutrient Export (OE)	6.41	Moderate			3.49	
Aquatic Primary Productivity (APP)	5.90	Moderate	11.85	Higher	4.41	6.51
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	4.98	Moderate	2.01	Lower	3.83	3.43
Amphibian Habitat (AM)	4.49	Moderate	3.74	Moderate	4.70	3.74
Waterbird Feeding Habitat (WBF)	5.43	Moderate	8.33	Higher	3.83	8.33
Waterbird Nesting Habitat (WBN)	6.36	Moderate	8.33	Higher	4.47	8.33
Raptor & Wetland Songbird Habitat (RSB)	7.86	Moderate	-1.93	Lower	7.86	1.34
Keystone Mammal Habitat (KMH)	2.47	Lower	1.26	Lower	4.38	2.08
Native Plant Habitat (PH)	4.62	Moderate	3.06	Moderate	6.37	3.06
Pollinator Habitat (POL)	9.79	Higher	3.94	Moderate	9.31	3.33
Cultural & Recreational Importance (CRI)			3.80	Lower		3.71
Wetland Sensitivity (Sens)			5.50	Moderate		4.67
Wetland Stressors (STR)			6.16	Higher		5.09
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)	1.52	Lower	4.06	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	3.19	Moderate	2.02	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	7.40	Higher	10.22	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	5.30	Moderate	6.41	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.61	Higher	2.82	Moderate		
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	6.18	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	6.43	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	75.64	High
HABITAT SUPERGROUP - AQUATIC HABITAT	33.99	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	24.24	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#:	CBCL-EM-WL07
Investigator Name:	Beth Cameron
Date of Field Assessment:	12-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	3.77	Moderate	5.96	Moderate	4.22	2.64
Stream Flow & Temperature Support (SFTS)	5.14	Moderate	3.06	Moderate	3.95	2.00
Sediment & Toxicant Retention & Stabilisation (SR)	2.06	Lower	1.22	Lower	3.29	1.12
Phosphorus Retention (PR)	4.15	Moderate	1.32	Lower	6.21	1.57
Nitrate Removal & Retention (NR)	2.39	Moderate	3.45	Lower	4.58	3.45
Wildfire Resistance (WFR)	1.30	Lower	0.00	Lower	1.19	0.00
Carbon Stock Preservation (CSP)	6.54	Moderate			7.40	
Carbon Capture (CC)	4.22	Moderate			4.58	
Organic Nutrient Export (OE)	8.49	Higher			4.62	
Aquatic Primary Productivity (APP)	5.13	Moderate	10.67	Higher	4.18	5.87
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	4.08	Moderate	1.13	Lower	3.15	2.71
Amphibian Habitat (AM)	1.61	Lower	4.09	Moderate	2.86	4.09
Waterbird Feeding Habitat (WBF)	5.04	Moderate	10.00	Higher	3.56	10.00
Waterbird Nesting Habitat (WBN)	5.75	Moderate	10.00	Higher	4.04	10.00
Raptor & Wetland Songbird Habitat (RSB)	6.49	Moderate	0.86	Lower	6.49	1.81
Keystone Mammal Habitat (KMH)	13.13	Higher	2.64	Lower	10.00	3.33
Native Plant Habitat (PH)	4.22	Moderate	2.97	Moderate	6.26	2.97
Pollinator Habitat (POL)	9.83	Higher	3.94	Moderate	9.35	3.33
Cultural & Recreational Importance (CRI)			-4.76	Lower		0.90
Wetland Sensitivity (Sens)			6.34	Higher		5.20
Wetland Stressors (STR)			5.55	Moderate		4.70
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)	3.77	Moderate	5.96	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	5.16	Moderate	2.72	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	7.37	Higher	8.77	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.52	Moderate	7.52	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.34	Higher	3.27	Moderate		
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	22.45	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	14.07	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	64.61	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	34.03	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	27.24	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#:	CBCL-EM-WL08
Investigator Name:	Liz Robinson
Date of Field Assessment:	24-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	2.41	Lower	6.18	Higher	3.27	2.74
Stream Flow & Temperature Support (SFTS)	4.96	Moderate	2.91	Moderate	3.81	1.91
Sediment & Toxicant Retention & Stabilisation (SR)	1.94	Lower	0.57	Lower	3.18	0.61
Phosphorus Retention (PR)	4.46	Moderate	1.07	Lower	6.41	1.33
Nitrate Removal & Retention (NR)	2.43	Moderate	2.74	Lower	4.61	2.74
Wildfire Resistance (WFR)	1.95	Lower	0.00	Lower	1.79	0.00
Carbon Stock Preservation (CSP)	4.44	Moderate			6.19	
Carbon Capture (CC)	4.34	Moderate			4.62	
Organic Nutrient Export (OE)	6.61	Moderate			3.60	
Aquatic Primary Productivity (APP)	3.59	Lower	10.49	Higher	3.73	5.77
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	4.18	Moderate	-1.61	Lower	3.22	0.46
Amphibian Habitat (AM)	1.52	Lower	4.27	Moderate	2.80	4.27
Waterbird Feeding Habitat (WBF)	3.28	Moderate	10.00	Higher	2.32	10.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.87	Moderate	0.15	Lower	7.87	1.69
Keystone Mammal Habitat (KMH)	5.58	Moderate	2.64	Lower	6.02	3.33
Native Plant Habitat (PH)	4.41	Moderate	3.35	Higher	6.31	3.35
Pollinator Habitat (POL)	9.63	Higher	3.94	Moderate	9.16	3.33
Cultural & Recreational Importance (CRI)			-6.02	Lower		0.49
Wetland Sensitivity (Sens)			5.04	Moderate		4.37
Wetland Stressors (STR)			4.65	Moderate		4.13
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)	2.41	Lower	6.18	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	3.89	Moderate	2.10	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.83	Moderate	8.59	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.99	Moderate	6.27	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.47	Higher	3.21	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	14.91	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	8.16	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	50.11	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	18.74	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	27.19	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#:	CBCL-EM-WL10
Investigator Name:	Liz Robinson
Date of Field Assessment:	25-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	9.21	Higher	5.02	Moderate	8.06	2.23
Stream Flow & Temperature Support (SFTS)	4.45	Moderate	2.20	Moderate	3.42	1.44
Sediment & Toxicant Retention & Stabilisation (SR)	6.39	Moderate	0.26	Lower	6.94	0.37
Phosphorus Retention (PR)	6.60	Higher	0.37	Lower	7.80	0.65
Nitrate Removal & Retention (NR)	4.49	Moderate	2.08	Lower	6.08	2.08
Wildfire Resistance (WFR)	0.34	Lower	0.00	Lower	0.31	0.00
Carbon Stock Preservation (CSP)	4.45	Moderate			6.20	
Carbon Capture (CC)	1.95	Lower			3.94	
Organic Nutrient Export (OE)	6.47	Moderate			3.52	
Aquatic Primary Productivity (APP)	0.73	Lower	9.86	Higher	2.89	5.42
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	-2.17	Lower	0.00	0.00
Amphibian Habitat (AM)	2.52	Lower	3.24	Moderate	3.44	3.24
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.62	Moderate	4.20	Moderate	6.62	2.37
Keystone Mammal Habitat (KMH)	13.13	Higher	2.64	Lower	10.00	3.33
Native Plant Habitat (PH)	1.40	Lower	2.97	Moderate	5.51	2.97
Pollinator Habitat (POL)	9.69	Higher	3.94	Moderate	9.22	3.33
Cultural & Recreational Importance (CRI)			-4.76	Lower		0.90
Wetland Sensitivity (Sens)			5.90	Higher		4.92
Wetland Stressors (STR)			3.03	Lower		3.08
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)	9.21	Higher	5.02	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	6.04	Higher	1.49	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.18	Moderate	7.95	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	1.51	Lower	1.73	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.80	Higher	3.95	Moderate		
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	46.23	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	9.02	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	41.13	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.61	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	30.80	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#:	CBCL-EM-WL11
Investigator Name:	Liz Robinson
Date of Field Assessment:	25-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	7.08	Moderate	5.13	Moderate	6.56	2.28
Stream Flow & Temperature Support (SFTS)	4.61	Moderate	2.21	Moderate	3.54	1.45
Sediment & Toxicant Retention & Stabilisation (SR)	4.42	Moderate	0.25	Lower	5.28	0.36
Phosphorus Retention (PR)	5.52	Moderate	0.35	Lower	7.10	0.63
Nitrate Removal & Retention (NR)	3.78	Moderate	1.67	Lower	5.58	1.67
Wildfire Resistance (WFR)	0.70	Lower	0.00	Lower	0.65	0.00
Carbon Stock Preservation (CSP)	4.69	Moderate			6.34	
Carbon Capture (CC)	2.37	Lower			4.06	
Organic Nutrient Export (OE)	6.96	Moderate			3.79	
Aquatic Primary Productivity (APP)	1.25	Lower	10.18	Higher	3.04	5.60
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	-2.17	Lower	0.00	0.00
Amphibian Habitat (AM)	3.74	Moderate	2.83	Moderate	4.22	2.83
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.66	Moderate	-1.64	Lower	6.66	1.39
Keystone Mammal Habitat (KMH)	13.13	Higher	2.18	Lower	10.00	2.92
Native Plant Habitat (PH)	1.85	Lower	2.97	Moderate	5.63	2.97
Pollinator Habitat (POL)	9.64	Higher	3.94	Moderate	9.17	3.33
Cultural & Recreational Importance (CRI)			-5.61	Lower		0.63
Wetland Sensitivity (Sens)			5.48	Moderate		4.65
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)	7.08	Moderate	5.13	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	5.06	Moderate	1.21	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.62	Moderate	8.19	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.24	Moderate	1.48	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.85	Higher	2.85	Moderate		
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	36.34	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	6.13	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	46.01	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	3.32	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	22.36	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#:	CBCL-EM-WL13
Investigator Name:	Liz Robinson
Date of Field Assessment:	20-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	0.12	Lower	5.68	Moderate	1.65	2.52
Stream Flow & Temperature Support (SFTS)	8.49	Higher	4.95	Moderate	6.52	3.24
Sediment & Toxicant Retention & Stabilisation (SR)	2.12	Lower	1.20	Lower	3.33	1.11
Phosphorus Retention (PR)	2.10	Lower	1.36	Lower	4.89	1.61
Nitrate Removal & Retention (NR)	2.43	Moderate	3.45	Lower	4.61	3.45
Wildfire Resistance (WFR)	2.18	Lower	0.00	Lower	2.00	0.00
Carbon Stock Preservation (CSP)	5.49	Moderate			6.80	
Carbon Capture (CC)	3.60	Moderate			4.41	
Organic Nutrient Export (OE)	8.03	Higher			4.37	
Aquatic Primary Productivity (APP)	2.85	Lower	10.04	Higher	3.51	5.52
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	3.91	Moderate	0.98	Lower	3.01	2.59
Amphibian Habitat (AM)	1.70	Lower	4.23	Moderate	2.92	4.23
Waterbird Feeding Habitat (WBF)	4.21	Moderate	10.00	Higher	2.97	10.00
Waterbird Nesting Habitat (WBN)	4.51	Moderate	10.00	Higher	3.17	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.62	Moderate	2.53	Moderate	7.62	2.09
Keystone Mammal Habitat (KMH)	5.26	Moderate	2.64	Lower	5.85	3.33
Native Plant Habitat (PH)	3.08	Lower	3.09	Moderate	5.96	3.09
Pollinator Habitat (POL)	9.62	Higher	3.94	Moderate	9.15	3.33
Cultural & Recreational Importance (CRI)			-3.79	Lower		1.22
Wetland Sensitivity (Sens)			4.28	Moderate		3.89
Wetland Stressors (STR)			5.43	Moderate		4.62
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)	0.12	Lower	5.68	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	4.26	Moderate	2.73	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	7.47	Higher	8.77	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.69	Moderate	7.52	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.20	Higher	3.56	Moderate		
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	0.65	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	11.63	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	65.51	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	27.76	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	29.21	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#:	CBCL-EM-WL14
Investigator Name:	Liz Robinson
Date of Field Assessment:	26-Jun-25
Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.	

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)	6.84	Moderate	4.96	Moderate	6.39	2.20
Stream Flow & Temperature Support (SFTS)	2.69	Moderate	1.07	Lower	2.07	0.70
Sediment & Toxicant Retention & Stabilisation (SR)	7.37	Higher	0.27	Lower	7.78	0.37
Phosphorus Retention (PR)	5.74	Moderate	0.38	Lower	7.24	0.66
Nitrate Removal & Retention (NR)	4.96	Higher	1.67	Lower	6.41	1.67
Wildfire Resistance (WFR)	0.23	Lower	0.00	Lower	0.21	0.00
Carbon Stock Preservation (CSP)	5.36	Moderate			6.72	
Carbon Capture (CC)	2.92	Lower			4.22	
Organic Nutrient Export (OE)	6.04	Moderate			3.29	
Aquatic Primary Productivity (APP)	2.13	Lower	9.94	Higher	3.30	5.46
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	-2.17	Lower	0.00	0.00
Amphibian Habitat (AM)	4.68	Moderate	2.80	Moderate	4.82	2.80
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.79	Moderate	-1.93	Lower	6.79	1.34
Keystone Mammal Habitat (KMH)	13.13	Higher	1.26	Lower	10.00	2.08
Native Plant Habitat (PH)	4.15	Moderate	3.23	Moderate	6.24	3.23
Pollinator Habitat (POL)	9.75	Higher	3.94	Moderate	9.27	3.33
Cultural & Recreational Importance (CRI)			-6.14	Lower		0.45
Wetland Sensitivity (Sens)			6.89	Higher		5.56
Wetland Stressors (STR)			2.80	Lower		2.94
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)	6.84	Moderate	4.96	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	6.62	Higher	1.22	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	4.83	Moderate	7.72	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.81	Moderate	1.46	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.33	Higher	2.84	Moderate		
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	33.97	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	8.06	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	37.29	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	4.10	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	23.68	Low

3a. Functional WSS Determination: Automatic Method

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

CONCLUSION: NO