WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 25-Sep-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-CHI-056**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.553942 Long (DD) 63.356022 Elevation (m): 285 m

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-50								Organic
50								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☑ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	30	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	30	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
2	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	15	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 %	30	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ERIOvirg	*Eriophorum virginicum*	Tawny Cottongrass	S5	OBL	15	YES
2	CAREtris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	5	
3	SCIRcype	*Scirpus cyperinus*	Common Woolly Bulrush	S5	FACW	5	
4	OSMUcinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	10	
5	GLYCcana	*Glyceria canadensis*	Canada Manna Grass	S5	OBL	5	
6	CAREgyna	*Carex gynandra*	Nodding Sedge	S5	FACW	10	
7	DOELumbe	*Doellingeria umbellata*	Hairy Flat-top White Aster	S5	FAC	5	
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	55	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 25
FACW 30
FAC 60
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.30	Hydrophtic Vegetation Presen
Dominance Test	167%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 25-Sep-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-CHI-056**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.553942 Long (DD) 63.356022 Elevation (m): 285 m

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-2								Organic
2 to 25	7.5YR 4/2	100					Silty Clay Loam	Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	75	YES
2	ABIEbals	*Abies balsamea*	Balsam Fir	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 %	90	

VEGETATION - Shrub 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 - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	*Cornus canadensis*	Bunchberry	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		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	5	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 95
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.00	Hydrophtic Vegetation Presen
Dominance Test	200%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 28-Sep-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-CHI-084D**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.536517 Long (DD) 63.362219 Elevation (m): 230 m

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☑ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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:
Forestry thinning through wetland.

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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 Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0-10								Organic
10-33	7.5YR 3/2	75	5YR 4/3	25			Loamy Sand	Redox present
								Refusal (Gravel)

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

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WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	35	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	15	YES
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	25	YES
3	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	25	YES
4	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	5	
5	RUBUidae	*Rubus idaeus*	Red Raspberry	S5	FAC	5	
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	75	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	GLYCcana	*Glyceria canadensis*	Canada Manna Grass	S5	OBL	20	YES
2	SOLIulig	*Solidago uliginosa*	Northern Bog Goldenrod	S5	OBL	10	YES
3	PERSsagi	*Persicaria sagittata*	Arrow-leaved Smartweed	S5	OBL	2	
4	SCIRcype	*Scirpus cyperinus*	Common Woolly Bulrush	S5	FACW	2	
5	HYPEfras	*Hypericum fraseri*	Fraser's St. John's-wort	S5	OBL	2	
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	36	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 34
FACW 27
FAC 85
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.35	Hydrophtic Vegetation Presen
Dominance Test	160%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 28-Sep-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-CHI-084D**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.535745 Long (DD) 63.361967 Elevation (m): 230

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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: Forestry

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-8								Organic
8 to 13	7.5YR 4/3						Sandy Loam	
13 to 37	7.5YR 4/4						Silt Loam	
37								Rock refusal

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

HYDRIC SOIL INDICATORS

All Soils

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	35	YES
2	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	15	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 %	50	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	35	YES
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	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 %	50	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	*Cornus canadensis*	Bunchberry	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		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	5	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 105
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.00	Hydrophtic Vegetation Presen
Dominance Test	167%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 21-Sep-23

Wetland Evaluator(s): Beth Cameron

Plot ID: **WL-CHI-110**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.534611 Long (DD) 63.364659 Elevation (m): 224

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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:
Extensive hurricane damage.

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0 - 30								Organic
30								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☑ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	5	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	5	YES
3	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	5	YES
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 %	15	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	10	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	5	YES
3	RUBUhisp	*Rubus hispidus*	Bristly Dewberry	S5	FACW	5	YES
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 - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	GLYCmeli	*Glyceria melicaria*	Slender Manna Grass	S4	OBL	20	YES
2	SOLIrugo	*Solidago rugosa*	Rough-stemmed Goldenrod	S5	FAC	5	
3	LINNbore	*Linnaea borealis*	Twinflower	S5	FAC	1	
4	ONOCsens	*Onoclea sensibilis*	Sensitive Fern	S5	FACW	20	YES
5	DRYOinte	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	5	
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	51	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 25
FAC 41
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.24	Hydrophtic Vegetation Presen
Dominance Test	180%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 21-Sep-23

Wetland Evaluator(s): Beth Cameron

Plot ID: **WL-CHI-110**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.534703 Long (DD) 63.364377 Elevation (m): 224

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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:
Hurricane damage.

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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 Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0-4								Organic
4 to 20	7.5YR 3/4	100					Sandy Clay	
20								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	20	YES
2	ABIEbals	*Abies balsamea*	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	25	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	45	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	5	
3	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	1	
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 %	51	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	*Cornus canadensis*	Bunchberry	S5	FAC	1	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		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	1	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 77
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.00	Hydrophtic Vegetation Presen
Dominance Test	200%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 04-Oct-23

Wetland Evaluator(s): Lisa MacDonald

Plot ID: **WL-DEB-124**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.545493 Long (DD) 63.434267 Elevation (m): 246

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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 Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0-4								Organic
4-32	7.5YR 2.5/2	100					Silty Clay Loam	
32								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☑ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	15	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	30	YES
3	PICErube	*Picea rubens*	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 %	55	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	20	YES
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
3	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	5	
4	RUBUpube	*Rubus pubescens*	Dwarf Red Raspberry	S5	FAC	2	
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	42	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	THALpube	*Thalictrum pubescens*	Tall Meadow-Rue	S5	FACW	5	
2	DRYOinte	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	2	
3	OSMUcinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	20	YES
4	OCLEacum	*Oclemena acuminata*	Whorled Wood Aster	S5	FACU	2	
5	SYMPlate	*Symphyotrichum lateriflorum*	Calico Aster	S5	FAC	2	
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	31	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 5
FAC 121
FACU 2
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.98	Hydrophtic Vegetation Presen
Dominance Test	167%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 04-Oct-23

Wetland Evaluator(s): Lisa MacDonald

Plot ID: **WL-DEB-124**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.545584 Long (DD) 63.434197 Elevation (m): 247

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-10								Organic
10 to 17	5YR 5/2	100					Silt	
17 to 24	5YR 3/3	100					Silt	
24								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	40	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	25	YES
3	ACERrube	*#N/A*	#N/A	#N/A	#N/A	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 %	70	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	15	YES
3	SORBamer	*Sorbus americana*	American Mountain Ash	S5	FAC	2	
4	ACERrube	*#N/A*	#N/A	#N/A	#N/A	2	
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	34	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	*Cornus canadensis*	Bunchberry	S5	FAC	10	YES
2	SORBamer	*Sorbus americana*	American Mountain Ash	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		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	11	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 108
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.00	Hydrophtic Vegetation Presen
Dominance Test	167%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 05-Oct-23

Wetland Evaluator(s): Liz Robinson

Plot ID: **WL-DEB-144**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.543793 Long (DD) 63.455689 Elevation (m): 265

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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:
Extensive rutting/skidder tracks from forest

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-35								Organic
35								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	10	YES
2	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	10	YES
3	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	1	
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 %	21	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	10	
2	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	20	YES
3	GAYLbacc	*Gaylussacia baccata*	Black Huckleberry	S5	FAC	30	YES
4	RUBUidae	*Rubus idaeus*	Red Raspberry	S5	FAC	10	
5	PICErube	*Picea rubens*	Red Spruce	S5	FAC	1	
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	71	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	OSMUcinn	*)smundastrum cinnamomeur*	Cinnamon Fern	S5	FAC	20	YES
2	ERIOvirg	*Eriophorum virginicum*	Tawny Cottongrass	S5	OBL	5	
3	JUNCcana	*Juncus canadensis*	Canada Rush	S5	OBL	10	YES
4	JUNCtenu	*Juncus tenuis*	Slender Rush	S5	FAC	5	
5	HYPEfras	*Hypericum fraseri*	Fraser's St. John's-wort	S5	OBL	5	
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	45	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 20
FAC 97
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.56	Hydrophtic Vegetation Presen
Dominance Test	175%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 05-Oct-23

Wetland Evaluator(s): Liz Robinson

Plot ID: **WL-DEB-144**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.543917 Long (DD) 63.45579 Elevation (m): 266

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
10-0								
0-15	5YR 3/4	100					Silty Clay Loam	
15								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	60	YES
2	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	5	
3	BETUpopu	*Betula populifolia*	Gray Birch	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 %	70	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	10	YES
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	20	YES
3	GAYLbacc	*Gaylussacia baccata*	Black Huckleberry	S5	FAC	5	
4	ILEXmucr	*Ilex mucronata*	Mountain Holly	S5	#N/A	10	YES
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#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	CORNcana	*Cornus canadensis*	Bunchberry	S5	FAC	70	YES
2	PTERaqui	*Pteridium aquilinum*	Bracken Fern	S5	FACU	5	
3	OCLEacum	*Oclemena acuminata*	Whorled Wood Aster	S5	FACU	1	
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		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	76	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 175
FACU 6
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.03	Non-Hydrophtic Vegetation
Dominance Test	100%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 31-Aug-23

Wetland Evaluator(s): Beth Cameron, Lyle Vicaire

Plot ID: **WL-DEB-217**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.527364 Long (DD) 63.419335 Elevation (m): 234

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-20								Organic
20								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	5	YES
2	ABIEbals	*Abies balsamea*	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	10	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUpapy	*Betula papyrifera*	Paper Birch	S5	FACU	10	YES
2	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	10	YES
3	SALIbebb	*Salix bebbiana*	Bebb's Willow	S5	FAC	5	YES
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 %	25	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	SOLIrugo	*Solidago rugosa*	Rough-stemmed Goldenrod	S5	FAC	25	YES
2	CAREechi	*Carex echinata*	Star Sedge	S5	OBL	60	YES
3	HYPEfras	*Hypericum fraseri*	Fraser's St. John's-wort	S5	OBL	15	
4	DOELumbe	*Doellingeria umbellata*	Hairy Flat-top White Aster	S5	FAC	5	
5	GLYCstri	*Glyceria striata*	Fowl Manna Grass	S5	FACW	15	
6	JUNCeffu	*Juncus effusus*	Soft Rush	S5	FACW	5	
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	125	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 75
FACW 20
FAC 55
FACU 10
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.00	Hydrophtic Vegetation Presen
Dominance Test	120%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 31-Aug-23

Wetland Evaluator(s): Beth Cameron, Lyle Vicaire

Plot ID: **WL-DEB-217**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.52755 Long (DD) 63.419169 Elevation (m): 234

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-5								Organic
5 to 17	2.5YR 4/4	100					Sandy Loam	
17								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	5	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	15	YES
2	PRUNvirg	*Prunus virginiana*	Chokecherry	S5	FAC	10	YES
3	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	5	
4	BETUpapy	*Betula papyrifera*	Paper Birch	S5	FACU	10	YES
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	40	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	RUBUidae	*Rubus idaeus*	Red Raspberry	S5	FAC	55	YES
2	SOLIcana	*Solidago canadensis*	Canada Goldenrod	S4S5	FAC	10	
3	SOLIrugo	*Solidago rugosa*	Rough-stemmed Goldenrod	S5	FAC	25	YES
4	DOELumbe	*Doellingeria umbellata*	Hairy Flat-top White Aster	S5	FAC	10	
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	100	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 135
FACU 10
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.07	Non-Hydrophtic Vegetation
Dominance Test	100%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 31-Aug-23

Wetland Evaluator(s): Beth Cameron, Lyle Vicaire

Plot ID: **WL-DEB-266**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.527698 Long (DD) 63.438558 Elevation (m): 208

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☐ Yes ☐ No

WESP-AC functional assessment completed? ☐ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0 - 22								Organic
22								Refusal (Gravel)

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	15	YES
2	FAGUgran	*Fagus grandifolia*	American Beech	S3S4	UPL	5	
3	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	20	YES
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 %	40	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	15	YES
2	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	10	YES
3	ABIEbals	*Abies balsamea*	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 %	30	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	GLYCmeli	*Glyceria melicaria*	Slender Manna Grass	S4	OBL	40	YES
2	DRYOinte	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	15	
3	OSMUcinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	15	
4	RUBUpube	*Rubus pubescens*	Dwarf Red Raspberry	S5	FAC	5	
5	CAREechi	*Carex echinata*	Star Sedge	S5	OBL	10	
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	85	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 10
FAC 90
FACU 0
UPL 5

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.35	Hydrophtic Vegetation Presen
Dominance Test	200%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 31-Aug-23

Wetland Evaluator(s): Beth Cameron, Lyle Vicaire

Plot ID: **WL-DEB-266**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.527764 Long (DD) 63.438717 Elevation (m): 209

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-21	7.5YR 2.5/2	100					Sandy Loam	
21								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	25	YES
2	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	20	YES
3	PICErube	*Picea rubens*	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 %	55	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	FAGUgran	*Fagus grandifolia*	American Beech	S3S4	UPL	5	
2	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	15	YES
3	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	10	YES
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 - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PARAnove	*arathelypteris noveboracensi*	New York Fern	S5	UPL	10	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		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	10	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 80
FACU 0
UPL 15

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.32	Non-Hydrophtic Vegetation
Dominance Test	133%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 13-Sep-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-DEB-334**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.509527 Long (DD) 63.457729 Elevation (m): 204

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-20								Organic
20								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
2	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	25	YES
3	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	30	YES
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 %	70	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	10	YES
2	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	5	
3	ACERspic	*Acer spicatum*	Mountain Maple	S5	FAC	2	
4	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	30	YES
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	47	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CAREtris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	2	
2	FRAGvirg	*Fragaria virginiana*	Wild Strawberry	S5	FAC	25	YES
3	ONOCsens	*Onoclea sensibilis*	Sensitive Fern	S5	FACW	5	
4	IMPAcape	*Impatiens capensis*	Spotted Jewelweed	S5	FAC	5	
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	37	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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	2
FACW	35
FAC	117
FACU	0
UPL	0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.75	Hydrophtic Vegetation Presen
Dominance Test	233%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 13-Sep-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-DEB-334**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.509648 Long (DD) 63.45782 Elevation (m): 205

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-10								Organic
10 to 25	7.5YR 5/4	100					Silty Clay Loam	
25								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	30	YES
2	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	10	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 %	40	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	20	YES
2	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	30	YES
3	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	15	YES
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 %	65	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	*Cornus canadensis*	Bunchberry	S5	FAC	2	YES
2	LINNbore	*Linnaea borealis*	Twinflower	S5	FAC	2	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		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	4	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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	0
FAC	109
FACU	0
UPL	0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.00	Hydrophtic Vegetation Presen
Dominance Test	140%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 30-Oct-23

Wetland Evaluator(s): Liz Robinson

Plot ID: **WL-FOL-2433**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.559547 Long (DD) 63.526797 Elevation (m): 259

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0 - 12								Organic
12								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☑ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

- [ ] Surface Soil Cracks (B6)
- [ ] Drainage Patterns (B10)
- [ ] Moss Trim Lines (B16)
- [ ] Dry Season Water Table (C2)
- [ ] Saturation Visible on Aerial Imagery (C9)
- [ ] Stunted or Stressed Plants (D1)
- [ ] Geomorphic Position (D2)
- [ ] Shallow Aquitard (D3)
- [ ] Microtopographic Relief (D4)
- [ ] 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 %	0	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	5	YES
2	MYRIgale	*Myrica gale*	Sweet Gale	S5	OBL	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		
6		*#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	TYPHlati	*Typha latifolia*	Broad-leaved Cattail	S5	OBL	5	
2	SCIRcype	*Scirpus cyperinus*	Common Woolly Bulrush	S5	FACW	50	YES
3	SOLIulig	*Solidago uliginosa*	Northern Bog Goldenrod	S5	OBL	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		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#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	

OBL 11
FACW 55
FAC 0
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	1.83	Hydrophtic Vegetation Presen
Dominance Test	150%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 30-Oct-23

Wetland Evaluator(s): Liz Robinson

Plot ID: **WL-FOL-2433**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.559523 Long (DD) 63.527028 Elevation (m): 260

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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:
Red parent material

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
6 - 0								Organic
0 - 4	5YR 4/3	90					Silty Clay	
4 to 16	5YR 4/6	80					Silty Clay Loam	
16								Refusal (rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	60	YES
2	PICErube	*Picea rubens*	Red Spruce	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 %	65	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	10	YES
2	PICErube	*Picea rubens*	Red Spruce	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 %	15	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	*Cornus canadensis*	Bunchberry	S5	FAC	1	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		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	1	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 81
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.00	Hydrophtic Vegetation Presen
Dominance Test	133%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 02-Aug-23

Wetland Evaluator(s): Liz Robinson

Plot ID: **WL-WAL-037**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.601205 Long (DD) 63.468678 Elevation (m): 249

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0 - 30								Organic
30								Refusal (Hardpan)

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☑ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	15	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	25	YES
3	FAGUgran	*Fagus grandifolia*	American Beech	S3S4	UPL	5	
4	PICEmari	*Picea mariana*	Black Spruce	S5	FACW	5	
5	BETUpapy	*Betula papyrifera*	Paper Birch	S5	FACU	5	
6	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	15	YES
					TOTAL %	70	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	15	YES
2	FAGUgran	*Fagus grandifolia*	American Beech	S3S4	UPL	5	YES
3	ACERsacc	*Acer saccharum*	Sugar Maple	S4S5	FACU	5	YES
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 %	25	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	OSMUcinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	30	YES
2	CAREcrin	*Carex crinita*	Fringed Sedge	S5	OBL	10	YES
3	CAREstip	*Carex stipata*	Awl-fruited Sedge	S5	OBL	10	YES
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		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	50	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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	

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	**Value**	**Interpretation**
Prevalence Index	2.90	Hydrophtic Vegetation Presen
Dominance Test	117%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 02-Aug-23

Wetland Evaluator(s): Liz Robinson

Plot ID: **WL-WAL-037**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.601101 Long (DD) 63.468784 Elevation (m): 250

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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 Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0 - 5								Organic
5 to 18	7.5YR 3/4	100					Silt	
18								Refusal (hardpan)

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

HYDRIC SOIL INDICATORS

All Soils

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	10	
2	BETUpapy	*Betula papyrifera*	Paper Birch	S5	FACU	10	
3	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	20	YES
4	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	15	YES
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	55	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	20	YES
2	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	15	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 %	35	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	MAIAcana	*Maianthemum canadense*	Wild Lily-of-The-Valley	S5	FAC	5	YES
2	ATHYfili	*Athyrium filix-femina*	Common Lady Fern	S5	FAC	10	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		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	15	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 95
FACU 10
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.10	Non-Hydrophtic Vegetation
Dominance Test	150%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 01-Aug-23

Wetland Evaluator(s): Lisa MacDonald

Plot ID: **WL-WAL-042**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.597508 Long (DD) 63.472176 Elevation (m): 280

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☑ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0 - 10								Organic
10								Refusal (Hardpan)

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

HYDRIC SOIL INDICATORS

All Soils

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☑ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	40	YES
2	ACERsacc	*Acer saccharum*	Sugar Maple	S4S5	FACU	10	
3	ACERpens	*Acer pensylvanicum*	Striped Maple	S5	FACU	5	
4	PICEmari	*Picea mariana*	Black Spruce	S5	FACW	10	
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	65	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ACERsacc	*Acer saccharum*	Sugar Maple	S4S5	FACU	10	YES
2	ACERpens	*Acer pensylvanicum*	Striped Maple	S5	FACU	1	
3	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	5	
4	PICErube	*Picea rubens*	Red Spruce	S5	FAC	5	
5	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	10	YES
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	31	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CLINbore	*Clintonia borealis*	Yellow Bluebead Lily	S5	FAC	15	YES
2	ONOCsens	*Onoclea sensibilis*	Sensitive Fern	S5	FACW	10	YES
3	CAREflav	*Carex flava*	Yellow Sedge	S5	OBL	10	YES
4	CLAYclay	*Claytosmunda claytoniana*	Interrupted Fern	S5	Undetermined	15	YES
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	50	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 10
FACW 20
FAC 75
FACU 26
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.89	Hydrophtic Vegetation Presen
Dominance Test	83%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 01-Aug-23

Wetland Evaluator(s): Lisa MacDonald

Plot ID: **WL-WAL-042**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.59734 Long (DD) 63.472124 Elevation (m): 281

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0 - 3								Organic
3 to 12	2.5YR 3/3	100					Silt	
12								Refusal (hardpan)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	FAGUgran	*Fagus grandifolia*	American Beech	S3S4	UPL	20	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	40	YES
3	ACERsacc	*Acer saccharum*	Sugar Maple	S4S5	FACU	15	YES
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 %	75	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	5	
2	ACERsacc	*Acer saccharum*	Sugar Maple	S4S5	FACU	10	YES
3	FAGUgran	*Fagus grandifolia*	American Beech	S3S4	UPL	20	YES
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 %	35	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	DRYOmarg	*Dryopteris marginalis*	Marginal Wood Fern	S5	FACU	10	YES
2	MAIAcana	*Maianthemum canadense*	Wild Lily-of-The-Valley	S5	FAC	15	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		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	25	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 60
FACU 35
UPL 40

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.85	Non-Hydrophtic Vegetation
Dominance Test	50%	Non-Hydrophtic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 07-Sep-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-DEB-319**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.515626 Long (DD) 63.45259 Elevation (m): 201

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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 Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0-50								Organic
50								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	60	YES
2	ACERrubr	*Acer rubrum*	Red Maple	S5	FAC	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	80	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	35	YES
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	5	
3	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	10	
4	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	10	
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	60	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	LYCOunif	*Lycopus uniflorus*	Northern Water Horehound	S5	OBL	5	
2	OSMUcinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	10	
3	ONOCsens	*Onoclea sensibilis*	Sensitive Fern	S5	FACW	10	
4	FRAGvirg	*Fragaria virginiana*	Wild Strawberry	S5	FAC	1	
5	CALAcana	*Calamagrostis canadensis*	Bluejoint Reed Grass	S5	FACW	60	YES
6	DOELumbe	*Doellingeria umbellata*	Hairy Flat-top White Aster	S5	FAC	1	
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	87	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 80
FAC 142
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.60	Hydrophtic Vegetation Presen
Dominance Test	200%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 07-Sep-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-DEB-319**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.515682 Long (DD) 63.452719 Elevation (m): 202

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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 Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0-24								Organic
24-29	7.5YR 5/3						Silt Loam	
29-44	5YR 4/6						Silty Clay Loam	
44								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	10	
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	65	YES
3	ABIEbals	*Abies balsamea*	Balsam Fir	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 %	85	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	35	YES
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	5	
3	BETUalle	*Betula alleghaniensis*	Yellow Birch	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 %	45	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	*Cornus canadensis*	Bunchberry	S5	FAC	5	
2	DRYOinte	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	20	YES
3	TRILundu	*Trillidium undulatum*	Painted Trillium	S5	FAC	2	
4	LINNbore	*Linnaea borealis*	Twinflower	S5	FAC	2	
5	MAIAcana	*Maianthemum canadense*	Wild Lily-of-The-Valley	S5	FAC	5	
6	ARALnudi	*Aralia nudicaulis*	Wild Sarsaparilla	S5	FAC	2	
7	PARAnove	*arathelypteris noveboracensi*	New York Fern	S5	UPL	2	
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	38	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 166
FACU 0
UPL 2

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.02	Non-Hydrophtic Vegetation
Dominance Test	150%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 11-Sep-23

Wetland Evaluator(s): Liz Robinson, Beth Cameron

Plot ID: **WL-FOL-079**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.543229 Long (DD) 63.479355 Elevation (m): 299

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
0-37								Organic
37								Refusal (rock)

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ 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 %	0	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	10	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	5	YES
3	PICErube	*Picea rubens*	Red Spruce	S5	FAC	5	YES
4	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	5	YES
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#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	GLYCcana	*Glyceria canadensis*	Canada Manna Grass	S5	OBL	40	YES
2	EUTHgram	*Euthamia graminifolia*	Grass-leaved Goldenrod	S5	FAC	1	
3	ERIOvirg	*Eriophorum virginicum*	Tawny Cottongrass	S5	OBL	10	
4	OCLEnemo	*Oclemena nemoralis*	Bog Aster	S5	OBL	2	
5	JUNCeffu	*Juncus effusus*	Soft Rush	S5	FACW	10	
6	SCIRcype	*Scirpus cyperinus*	Common Woolly Bulrush	S5	FACW	1	
7	LYCOunif	*Lycopus uniflorus*	Northern Water Horehound	S5	OBL	1	
8	POGOophi	*Pogonia ophioglossoides*	Rose Pogonia	S4S5	OBL	1	
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	66	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 54
FACW 21
FAC 16
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	1.58	Hydrophtic Vegetation Presen
Dominance Test	120%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 11-Sep-23

Wetland Evaluator(s): Liz Robinson, Beth Cameron

Plot ID: **WL-FOL-079**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.54276 Long (DD) 63.479588 Elevation (m): 301

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): _____ UTM E (m) _____ Slope (%): _____

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

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:
Logging, 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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
9 - 0								Organic
0 - 8	7.5YR 5/3						Silty Clay	
8 to 14	5YR 4/6						Silty Clay	
14								Refusal (Rock)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	5	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	60	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	80	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	CORNcana	*Cornus canadensis*	Bunchberry	S5	FAC	40	YES
2	DRYOinte	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	15	YES
3	GAULhisp	*Gaultheria hispidula*	Creeping Snowberry	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		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	60	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 145
FACU 0
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.00	Hydrophtic Vegetation Presen
Dominance Test	125%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 17-Oct-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-FOL-020**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.558591 Long (DD) 63.48434 Elevation (m): 315

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Cobequid

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

Hydric Soil Present? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

Is the Sampled Area within a wetland? ☑ Yes ☐ No

WESP-AC functional assessment completed? ☑ 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	Matrix		Redox				Texture	Remarks
(cm)	Color	%	Color	%	Type	Loc		(Note Restrictive layer type, if encountered)
1 - 87								Organic

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

HYDRIC SOIL INDICATORS

All Soils

- ☑ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16)*

Sandy Soils

- ☐ Sandy Mucky Mineral (S1)
- ☐ 5 cm Mucky Peat or Peat (S3)*
- ☐ Sandy Gleyed Matrix (S4)*
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Polyvalue Below Surface (S8)
- ☐ Thin Dark Surface (S9)

Fine Textured Soils

- ☐ Loamy Gleyed Matrix (F2)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depression (F8)
- ☐ Iron-Manganese Masses (F12)
- ☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	PICErube	*Picea rubens*	Red Spruce	S5	FAC	30	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		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	30	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	5	
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
3	ALNUinca	*Alnus incana*	Speckled Alder	S5	FACW	15	YES
4	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	5	
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	40	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	OSMUcinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	20	YES
2	PARAnove	*Parathelypteris noveboracensis*	New York Fern	S5	UPL	20	YES
3	CALAcana	*Calamagrostis canadensis*	Bluejoint Reed Grass	S5	FACW	5	
4	GLYCcana	*Glyceria canadensis*	Canada Manna Grass	S5	OBL	10	
5	SYMPbore	*Symphyotrichum boreale*	Boreal Aster	S3	OBL	5	
6		*#N/A*	#N/A	#N/A	#N/A		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	60	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 15
FACW 20
FAC 75
FACU 0
UPL 20

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	2.92	Hydrophtic Vegetation Presen
Dominance Test	125%	Hydrophtic Vegetation Presen

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: Windy Ridge Municipality/County: Colchester

Applicant/Owner: RES Canada Sample Date: 17-Oct-23

Wetland Evaluator(s): Nathan Hill

Plot ID: **WL-FOL-020**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.558656 Long (DD) 63.483879 Elevation (m): 318

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): UTM E (m) Slope (%):

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

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:
Forestry

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

Hydric Soil Present? ☐ Yes ☑ No

Wetland Hydrology Present? ☐ Yes ☑ No

Is the Sampled Area within a wetland? ☐ Yes ☑ No

WESP-AC functional assessment completed? ☑ 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 Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0 - 10								Organic
10-44	7.5YR 4/4						Silt Loam	
44								Refusal (gravel)

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

HYDRIC SOIL INDICATORS

All Soils	Sandy Soils	Fine Textured Soils
☐ Histosol (A1)	☐ Sandy Mucky Mineral (S1)	☐ Loamy Gleyed Matrix (F2)
☐ Histic Epipedon (A2)	☐ 5 cm Mucky Peat or Peat (S3)*	☐ Loamy Mucky Mineral (F1)
☐ Black Histic (A3)	☐ Sandy Gleyed Matrix (S4)*	☐ Depleted Matrix (F3)
☐ Hydrogen Sulfide (A4)	☐ Sandy Redox (S5)	☐ Redox Dark Surface (F6)
☐ Stratified Layers (A5)	☐ Stripped Matrix (S6)	☐ Depleted Dark Surface (F7)
☐ Depleted Below Dark Surface (A11)	☐ Polyvalue Below Surface (S8)	☐ Redox Depression (F8)
☐ Thick Dark Surface (A12)	☐ Thin Dark Surface (S9)	☐ Iron-Manganese Masses (F12)
☐ Coast Prairie Redox (A16)*		☐ Red Parent Material (TF2)

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

CBCL

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

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

Secondary (Two required, if no primary ind.)

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

VEGETATION - Tree Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	40	YES
2	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	20	YES
3	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
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 %	75	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	BETUalle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	20	YES
2	PICErube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
3	ABIEbals	*Abies balsamea*	Balsam Fir	S5	FAC	5	
4	FAGUgran	*Fagus grandifolia*	American Beech	S3S4	UPL	5	
5		*#N/A*	#N/A	#N/A	#N/A		
6		*#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	CORNcana	*Cornus canadensis*	Bunchberry	S5	FAC	5	YES
2	COPTtrif	*Coptis trifolia*	Goldthread	S5	FAC	2	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		
7		*#N/A*	#N/A	#N/A	#N/A		
8		*#N/A*	#N/A	#N/A	#N/A		
9		*#N/A*	#N/A	#N/A	#N/A		
10		*#N/A*	#N/A	#N/A	#N/A		
11		*#N/A*	#N/A	#N/A	#N/A		
12		*#N/A*	#N/A	#N/A	#N/A		
					TOTAL %	7	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

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 0
FAC 122
FACU 0
UPL 5

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	Value	Interpretation
Prevalence Index	3.08	Non-Hydrophtic Vegetation
Dominance Test	175%	Hydrophtic Vegetation Presen

Site Name or ID#:	**WL-CHI-056 (Shrub Swamp)**
Investigator Name:	**Beth Cameron**
Date of Field Assessment:	**45205**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	6.67	Moderate	4.59	Moderate	6.22	2.04
Stream Flow & Temperature Support (SFTS)	3.97	Moderate	1.08	Lower	3.49	0.67
Sediment & Toxicant Retention & Stabilisation (SR)	4.61	Lower	0.91	Lower	5.74	0.44
Phosphorus Retention (PR)	2.08	Lower	4.83	Moderate	3.92	4.03
Nitrate Removal & Retention (NR)	3.01	Moderate	0.88	Lower	5.10	1.33
Carbon Stock (CS)	6.10	Moderate			7.16	
Organic Nutrient Export (OE)	6.48	Moderate			2.55	
Aquatic Primary Productivity (APP)	6.17	Moderate	8.25	Higher	5.21	5.90
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Amphibian & Turtle Habitat (AM)	3.77	Moderate	2.46	Moderate	4.75	3.86
Waterbird Feeding Habitat (WBF)	6.52	Moderate	5.00	Moderate	4.76	5.00
Waterbird Nesting Habitat (WBN)	7.57	Moderate	5.00	Moderate	5.82	5.00
Raptor & Wetland Songbird Habitat (RSB)	7.91	Higher	5.00	Moderate	6.56	5.00
Keystone Mammal Habitat (KMH)	4.23	Moderate	5.56	Higher	3.96	5.56
Native Plant Habitat (PH)	10.00	Higher	2.30	Lower	8.11	2.76
Pollinator Habitat (POL)	10.00	Higher	3.33	Higher	8.21	3.33
Public Use & Recognition (PU)			1.01	Lower		1.18
Wetland Sensitivity (Sens)			3.17	Lower		2.89
Wetland Stressors (STR)			2.73	Lower		3.11
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	6.67	Moderate	4.59	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	5.03	Moderate	3.52	Moderate		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	6.01	Moderate	6.46	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	5.57	Moderate	3.75	Moderate		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	9.02	Higher	4.80	Higher		

In NS, this site is not a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	30.65	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	17.69	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	38.86	High
HABITAT SUPERGROUP - AQUATIC HABITAT	20.86	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	43.30	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**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-CHI-084D (Shrub Swamp-Marsh Complex)**
Investigator Name:	**Derrick Mitchell, Greg Quinn**
Date of Field Assessment:	**45225**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	2.02	Lower	3.55	Moderate	2.88	1.58
Stream Flow & Temperature Support (SFTS)	6.76	Moderate	3.58	Moderate	5.94	2.20
Sediment & Toxicant Retention & Stabilisation (SR)	4.40	Lower	0.91	Lower	5.57	0.44
Phosphorus Retention (PR)	2.03	Lower	0.33	Lower	3.88	0.28
Nitrate Removal & Retention (NR)	3.26	Moderate	0.88	Lower	5.28	1.33
Carbon Stock (CS)	2.38	Lower			4.73	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	7.08	Moderate	7.80	Higher	5.99	5.57
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	10.00	Higher	7.13	Higher	7.69	3.01
Amphibian & Turtle Habitat (AM)	1.68	Lower	2.71	Moderate	3.37	4.07
Waterbird Feeding Habitat (WBF)	6.89	Moderate	10.00	Higher	5.03	10.00
Waterbird Nesting Habitat (WBN)	8.01	Higher	10.00	Higher	6.15	10.00
Raptor & Wetland Songbird Habitat (RSB)	8.18	Higher	10.00	Higher	6.79	10.00
Keystone Mammal Habitat (KMH)	3.52	Moderate	2.22	Moderate	3.38	2.22
Native Plant Habitat (PH)	7.53	Higher	2.00	Lower	6.91	2.48
Pollinator Habitat (POL)	9.38	Higher	0.00	Lower	7.44	0.00
Public Use & Recognition (PU)			1.94	Lower		1.75
Wetland Sensitivity (Sens)			4.49	Moderate		3.30
Wetland Stressors (STR)			3.06	Lower		3.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	2.02	Lower	3.55	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	3.71	Moderate	0.81	Lower		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	5.85	Moderate	6.74	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	7.66	Higher	7.98	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	8.27	Higher	6.78	Higher		

In NS, site is a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

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

2. Functional WSS Rule Definitions:

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

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

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

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

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

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	7.19	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	2.99	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	39.44	High
HABITAT SUPERGROUP - AQUATIC HABITAT	61.14	High
HABITAT SUPERGROUP - TRANSITION HABITAT	56.02	Moderate

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-CHI-110 (Treed Fen)**
Investigator Name:	**Beth Cameron**
Date of Field Assessment:	**45190**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.78	Moderate	3.58	Moderate	5.58	1.59
Stream Flow & Temperature Support (SFTS)	5.14	Moderate	3.58	Moderate	4.51	2.20
Sediment & Toxicant Retention & Stabilisation (SR)	4.92	Moderate	1.48	Moderate	5.99	0.72
Phosphorus Retention (PR)	3.38	Moderate	0.33	Lower	4.91	0.28
Nitrate Removal & Retention (NR)	3.25	Moderate	2.98	Lower	5.27	3.33
Carbon Stock (CS)	6.96	Higher			7.72	
Organic Nutrient Export (OE)	8.30	Higher			3.26	
Aquatic Primary Productivity (APP)	4.99	Moderate	7.60	Higher	4.21	5.43
Anadromous Fish Habitat (FA)	8.16	Higher	10.00	Higher	5.34	10.00
Resident & Other Fish Habitat (FR)	4.59	Moderate	10.00	Higher	3.50	10.00
Amphibian & Turtle Habitat (AM)	0.52	Lower	2.16	Moderate	2.59	3.62
Waterbird Feeding Habitat (WBF)	6.74	Moderate	10.00	Higher	4.93	10.00
Waterbird Nesting Habitat (WBN)	7.30	Moderate	10.00	Higher	5.61	10.00
Raptor & Wetland Songbird Habitat (RSB)	6.16	Moderate	10.00	Higher	5.11	10.00
Keystone Mammal Habitat (KMH)	4.61	Moderate	2.22	Moderate	4.26	2.22
Native Plant Habitat (PH)	10.00	Higher	1.92	Lower	8.31	2.40
Pollinator Habitat (POL)	10.00	Higher	0.00	Lower	8.47	0.00
Public Use & Recognition (PU)			1.27	Lower		1.34
Wetland Sensitivity (Sens)			3.93	Moderate		3.13
Wetland Stressors (STR)			2.56	Lower		3.01
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	5.78	Moderate	3.58	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	5.79	Higher	2.29	Moderate		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	7.22	Higher	6.60	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	6.81	Higher	9.22	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	8.85	Higher	6.77	Higher		

In NS, site is a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	20.69	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	13.27	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	47.63	High
HABITAT SUPERGROUP - AQUATIC HABITAT	62.75	High
HABITAT SUPERGROUP - TRANSITION HABITAT	59.87	Moderate

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-DEB-124 (Treed Swamp)**
Investigator Name:	**Lisa MacDonald**
Date of Field Assessment:	**45203**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	2.75	Lower	3.78	Moderate	3.40	1.68
Stream Flow & Temperature Support (SFTS)	6.34	Moderate	3.39	Moderate	5.56	2.08
Sediment & Toxicant Retention & Stabilisation (SR)	3.82	Lower	8.30	Higher	5.12	4.06
Phosphorus Retention (PR)	0.75	Lower	0.83	Lower	2.89	0.69
Nitrate Removal & Retention (NR)	4.17	Moderate	2.98	Lower	5.92	3.33
Carbon Stock (CS)	1.87	Lower			4.40	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	6.79	Moderate	7.38	Higher	5.74	5.27
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Amphibian & Turtle Habitat (AM)	1.71	Lower	3.23	Moderate	3.38	4.49
Waterbird Feeding Habitat (WBF)	8.33	Higher	10.00	Higher	6.09	10.00
Waterbird Nesting Habitat (WBN)	9.75	Higher	10.00	Higher	7.49	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.33	Moderate	10.00	Higher	6.08	10.00
Keystone Mammal Habitat (KMH)	2.76	Lower	2.22	Moderate	2.77	2.22
Native Plant Habitat (PH)	8.48	Higher	2.13	Lower	7.29	2.60
Pollinator Habitat (POL)	9.34	Higher	3.33	Higher	7.40	3.33
Public Use & Recognition (PU)			1.20	Lower		1.30
Wetland Sensitivity (Sens)			6.68	Higher		3.99
Wetland Stressors (STR)			7.07	Higher		5.72
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	2.75	Lower	3.78	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	3.41	Moderate	6.17	Higher		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	5.58	Moderate	6.39	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	6.85	Higher	7.32	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	8.16	Higher	7.21	Higher		

In NS, site is a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	10.39	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.03	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	35.65	High
HABITAT SUPERGROUP - AQUATIC HABITAT	50.19	High
HABITAT SUPERGROUP - TRANSITION HABITAT	58.81	Moderate

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-DEB-144 (Treed fen-swamp complex)**
Investigator Name:	**Elizabeth Robinson**
Date of Field Assessment:	**45204**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	1.37	Lower	4.16	Moderate	2.42	1.84
Stream Flow & Temperature Support (SFTS)	8.20	Higher	1.90	Moderate	7.19	1.17
Sediment & Toxicant Retention & Stabilisation (SR)	4.61	Lower	1.42	Moderate	5.74	0.69
Phosphorus Retention (PR)	2.56	Lower	4.89	Moderate	4.28	4.08
Nitrate Removal & Retention (NR)	2.18	Lower	0.85	Lower	4.52	1.31
Carbon Stock (CS)	4.76	Moderate			6.28	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	8.30	Higher	8.80	Higher	7.01	6.29
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	7.95	Higher	3.01	Moderate	6.06	1.27
Amphibian & Turtle Habitat (AM)	2.00	Lower	3.91	Moderate	3.58	5.04
Waterbird Feeding Habitat (WBF)	8.69	Higher	10.00	Higher	6.35	10.00
Waterbird Nesting Habitat (WBN)	9.31	Higher	10.00	Higher	7.15	10.00
Raptor & Wetland Songbird Habitat (RSB)	9.69	Higher	10.00	Higher	8.04	10.00
Keystone Mammal Habitat (KMH)	10.00	Higher	2.22	Moderate	10.00	2.22
Native Plant Habitat (PH)	7.78	Higher	2.34	Lower	7.01	2.80
Pollinator Habitat (POL)	8.92	Higher	3.33	Higher	7.07	3.33
Public Use & Recognition (PU)			0.70	Lower		0.99
Wetland Sensitivity (Sens)			5.38	Moderate		3.58
Wetland Stressors (STR)			3.82	Moderate		3.77
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	1.37	Lower	4.16	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	4.14	Moderate	3.64	Moderate		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	6.90	Higher	7.07	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	7.45	Higher	7.69	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	9.55	Higher	7.24	Higher		

In NS, site is a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	5.71	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	15.08	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	48.78	High
HABITAT SUPERGROUP - AQUATIC HABITAT	57.31	High
HABITAT SUPERGROUP - TRANSITION HABITAT	69.11	High

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-DEB-217 (Treed Swamp)**
Investigator Name:	**Beth Cameron**
Date of Field Assessment:	**45169**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.61	Moderate	6.47	Higher	5.46	2.87
Stream Flow & Temperature Support (SFTS)	5.00	Moderate	2.19	Moderate	4.39	1.34
Sediment & Toxicant Retention & Stabilisation (SR)	3.67	Lower	2.16	Moderate	5.00	1.06
Phosphorus Retention (PR)	2.25	Lower	5.08	Moderate	4.05	4.24
Nitrate Removal & Retention (NR)	2.65	Lower	4.04	Moderate	4.85	4.33
Carbon Stock (CS)	4.83	Moderate			6.33	
Organic Nutrient Export (OE)	7.38	Higher			2.90	
Aquatic Primary Productivity (APP)	5.82	Moderate	7.76	Higher	4.91	5.55
Anadromous Fish Habitat (FA)	7.74	Higher	10.00	Higher	5.07	10.00
Resident & Other Fish Habitat (FR)	4.42	Moderate	10.00	Higher	3.37	10.00
Amphibian & Turtle Habitat (AM)	0.63	Lower	2.79	Moderate	2.67	4.13
Waterbird Feeding Habitat (WBF)	6.29	Moderate	10.00	Higher	4.60	10.00
Waterbird Nesting Habitat (WBN)	7.63	Moderate	10.00	Higher	5.87	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.43	Moderate	10.00	Higher	6.16	10.00
Keystone Mammal Habitat (KMH)	3.87	Moderate	2.22	Moderate	3.66	2.22
Native Plant Habitat (PH)	10.00	Higher	2.28	Lower	8.59	2.75
Pollinator Habitat (POL)	10.00	Higher	3.33	Higher	8.52	3.33
Public Use & Recognition (PU)			1.18	Lower		1.28
Wetland Sensitivity (Sens)			5.60	Moderate		3.65
Wetland Stressors (STR)			3.25	Lower		3.42
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	5.61	Moderate	6.47	Higher		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	4.09	Moderate	4.42	Moderate		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	6.72	Higher	6.37	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	6.54	Higher	9.28	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	8.91	Higher	7.23	Higher		

In NS, site is a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	36.25	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	18.08	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	42.82	High
HABITAT SUPERGROUP - AQUATIC HABITAT	60.71	High
HABITAT SUPERGROUP - TRANSITION HABITAT	64.43	Moderate

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-DEB-266 (Treed Swamp)**
Investigator Name:	**Beth Cameron**
Date of Field Assessment:	**45169**
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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.32	Moderate	6.07	Moderate	5.25	2.69
Stream Flow & Temperature Support (SFTS)	4.87	Moderate	2.39	Moderate	4.28	1.47
Sediment & Toxicant Retention & Stabilisation (SR)	4.33	Lower	2.16	Moderate	5.52	1.06
Phosphorus Retention (PR)	1.99	Lower	5.08	Moderate	3.84	4.24
Nitrate Removal & Retention (NR)	2.69	Moderate	1.93	Lower	4.88	2.33
Carbon Stock (CS)	4.40	Moderate			6.05	
Organic Nutrient Export (OE)	6.14	Moderate			2.41	
Aquatic Primary Productivity (APP)	5.80	Moderate	6.18	Moderate	4.90	4.42
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Amphibian & Turtle Habitat (AM)	0.67	Lower	2.60	Moderate	2.69	3.97
Waterbird Feeding Habitat (WBF)	6.29	Moderate	10.00	Higher	4.60	10.00
Waterbird Nesting Habitat (WBN)	7.31	Moderate	10.00	Higher	5.61	10.00
Raptor & Wetland Songbird Habitat (RSB)	6.66	Moderate	10.00	Higher	5.52	10.00
Keystone Mammal Habitat (KMH)	3.45	Moderate	2.22	Moderate	3.33	2.22
Native Plant Habitat (PH)	10.00	Higher	10.00	Higher	7.95	10.00
Pollinator Habitat (POL)	10.00	Higher	3.33	Higher	8.23	3.33
Public Use & Recognition (PU)			1.01	Lower		1.18
Wetland Sensitivity (Sens)			5.90	Moderate		3.75
Wetland Stressors (STR)			3.08	Lower		3.32
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	5.32	Moderate	6.07	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	3.88	Moderate	4.07	Moderate		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	5.87	Moderate	5.24	Moderate		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	5.08	Moderate	7.26	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	8.76	Higher	8.19	Higher		
In NS, site is a WSS						

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	32.27	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	15.78	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	30.75	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	36.88	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	71.81	High

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-DEB-319 (Shrub Swamp)**
Investigator Name:	**Theo Popma, Lyle Vicaire**
Date of Field Assessment:	**45184**
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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	1.28	Lower	3.19	Moderate	2.35	1.42
Stream Flow & Temperature Support (SFTS)	7.87	Higher	2.79	Moderate	6.91	1.72
Sediment & Toxicant Retention & Stabilisation (SR)	2.89	Lower	8.41	Higher	4.39	4.11
Phosphorus Retention (PR)	2.31	Lower	0.83	Lower	4.09	0.69
Nitrate Removal & Retention (NR)	2.97	Moderate	1.67	Lower	5.07	2.08
Carbon Stock (CS)	5.14	Moderate			6.53	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	7.23	Moderate	6.30	Moderate	6.11	4.50
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Amphibian & Turtle Habitat (AM)	1.61	Lower	2.83	Moderate	3.32	4.17
Waterbird Feeding Habitat (WBF)	6.96	Moderate	10.00	Higher	5.08	10.00
Waterbird Nesting Habitat (WBN)	8.29	Higher	10.00	Higher	6.37	10.00
Raptor & Wetland Songbird Habitat (RSB)	6.33	Moderate	10.00	Higher	5.25	10.00
Keystone Mammal Habitat (KMH)	4.26	Moderate	1.11	Lower	3.98	1.11
Native Plant Habitat (PH)	5.10	Moderate	10.00	Higher	5.95	10.00
Pollinator Habitat (POL)	7.90	Moderate	3.33	Higher	6.27	3.33
Public Use & Recognition (PU)			1.01	Lower		1.18
Wetland Sensitivity (Sens)			5.04	Moderate		3.47
Wetland Stressors (STR)			4.25	Moderate		4.02
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	1.28	Lower	3.19	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	4.23	Moderate	6.02	Higher		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	6.45	Higher	5.42	Moderate		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	5.83	Higher	7.28	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	6.90	Moderate	8.06	Higher		

In NS, this site is not a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	4.08	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	25.49	Moderate
SUPPORT SUPERGROUP - AQUATIC SUPPORT	34.97	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	42.48	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	55.60	Moderate

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**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-DEB-334 (Treed swamp)**
Investigator Name:	**Theo Popma, Nathan Hill**
Date of Field Assessment:	**45182**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	1.80	Lower	3.21	Moderate	2.73	1.42
Stream Flow & Temperature Support (SFTS)	6.60	Moderate	2.50	Moderate	5.80	1.54
Sediment & Toxicant Retention & Stabilisation (SR)	3.53	Lower	9.09	Higher	4.89	4.44
Phosphorus Retention (PR)	1.45	Lower	0.96	Lower	3.43	0.80
Nitrate Removal & Retention (NR)	4.24	Moderate	2.11	Lower	5.97	2.50
Carbon Stock (CS)	2.91	Lower			5.08	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	6.05	Moderate	7.30	Higher	5.11	5.21
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	8.02	Higher	2.55	Moderate	6.12	1.08
Amphibian & Turtle Habitat (AM)	2.08	Lower	3.22	Moderate	3.63	4.48
Waterbird Feeding Habitat (WBF)	7.36	Moderate	10.00	Higher	5.38	10.00
Waterbird Nesting Habitat (WBN)	8.50	Higher	10.00	Higher	6.53	10.00
Raptor & Wetland Songbird Habitat (RSB)	8.16	Higher	10.00	Higher	6.77	10.00
Keystone Mammal Habitat (KMH)	10.00	Higher	2.22	Moderate	10.00	2.22
Native Plant Habitat (PH)	10.00	Higher	2.28	Lower	8.01	2.74
Pollinator Habitat (POL)	9.90	Higher	3.33	Higher	7.85	3.33
Public Use & Recognition (PU)			0.76	Lower		1.03
Wetland Sensitivity (Sens)			6.29	Higher		3.87
Wetland Stressors (STR)			6.42	Higher		5.32
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	1.80	Lower	3.21	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	3.64	Moderate	6.57	Higher		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	5.41	Moderate	6.10	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	6.85	Higher	7.58	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	9.76	Higher	7.23	Higher		

In NS, site is a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	5.79	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	23.91	Moderate
SUPPORT SUPERGROUP - AQUATIC SUPPORT	33.02	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	51.89	High
HABITAT SUPERGROUP - TRANSITION HABITAT	70.54	High

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-FOL-020 (Treed Fen-Swamp Complex)**
Investigator Name:	**Other, Nathan Hill**
Date of Field Assessment:	**45216**
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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.46	Moderate	7.73	Higher	5.35	3.42
Stream Flow & Temperature Support (SFTS)	5.40	Moderate	2.03	Moderate	4.74	1.25
Sediment & Toxicant Retention & Stabilisation (SR)	8.59	Higher	1.14	Lower	8.89	0.56
Phosphorus Retention (PR)	3.52	Moderate	0.42	Lower	5.02	0.35
Nitrate Removal & Retention (NR)	3.91	Moderate	1.23	Lower	5.73	1.67
Carbon Stock (CS)	6.32	Moderate			7.30	
Organic Nutrient Export (OE)	8.87	Higher			3.49	
Aquatic Primary Productivity (APP)	5.50	Moderate	8.32	Higher	4.65	5.94
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Amphibian & Turtle Habitat (AM)	3.12	Moderate	2.02	Lower	4.32	3.50
Waterbird Feeding Habitat (WBF)	6.15	Moderate	5.00	Moderate	4.49	5.00
Waterbird Nesting Habitat (WBN)	6.35	Moderate	5.00	Moderate	4.88	5.00
Raptor & Wetland Songbird Habitat (RSB)	6.51	Moderate	5.00	Moderate	5.40	5.00
Keystone Mammal Habitat (KMH)	4.03	Moderate	5.56	Higher	3.79	5.56
Native Plant Habitat (PH)	8.25	Higher	2.06	Lower	7.20	2.53
Pollinator Habitat (POL)	9.55	Higher	3.33	Higher	7.57	3.33
Public Use & Recognition (PU)			1.35	Lower		1.39
Wetland Sensitivity (Sens)			7.74	Higher		4.32
Wetland Stressors (STR)			2.28	Lower		2.84
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	5.46	Moderate	7.73	Higher		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	7.09	Higher	1.08	Lower		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	7.73	Higher	6.75	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	4.74	Moderate	3.70	Moderate		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	8.32	Higher	4.77	Higher		

In NS, this site is not a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	42.20	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.64	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	52.16	High
HABITAT SUPERGROUP - AQUATIC HABITAT	17.54	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	39.68	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**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-FOL-079 (Treed fen)**
Investigator Name:	**Beth Cameron, Elizabeth Robinson**
Date of Field Assessment:	**45180**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.28	Moderate	4.61	Moderate	5.22	2.04
Stream Flow & Temperature Support (SFTS)	4.91	Moderate	1.35	Lower	4.31	0.83
Sediment & Toxicant Retention & Stabilisation (SR)	4.61	Lower	1.48	Moderate	5.74	0.72
Phosphorus Retention (PR)	2.04	Lower	0.33	Lower	3.88	0.28
Nitrate Removal & Retention (NR)	3.65	Moderate	0.88	Lower	5.55	1.33
Carbon Stock (CS)	5.88	Moderate			7.01	
Organic Nutrient Export (OE)	7.54	Higher			2.96	
Aquatic Primary Productivity (APP)	6.28	Moderate	8.57	Higher	5.31	6.12
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Amphibian & Turtle Habitat (AM)	6.24	Higher	2.52	Moderate	6.40	3.91
Waterbird Feeding Habitat (WBF)	7.32	Moderate	2.50	Lower	5.35	2.50
Waterbird Nesting Habitat (WBN)	7.41	Moderate	3.33	Moderate	5.69	3.33
Raptor & Wetland Songbird Habitat (RSB)	8.44	Higher	10.00	Higher	7.00	10.00
Keystone Mammal Habitat (KMH)	4.83	Moderate	3.33	Moderate	4.43	3.33
Native Plant Habitat (PH)	9.40	Higher	2.26	Lower	7.65	2.73
Pollinator Habitat (POL)	9.49	Higher	3.33	Higher	7.52	3.33
Public Use & Recognition (PU)			1.02	Lower		1.19
Wetland Sensitivity (Sens)			5.70	Moderate		3.68
Wetland Stressors (STR)			3.25	Lower		3.42
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	5.28	Moderate	4.61	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	4.96	Moderate	1.19	Moderate		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	6.89	Higher	6.77	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	5.80	Higher	2.50	Moderate		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	8.77	Higher	7.37	Higher		

In NS, this site is not a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	24.34	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	5.89	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	46.65	High
HABITAT SUPERGROUP - AQUATIC HABITAT	14.51	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	64.57	Moderate

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**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-FOL-2433 (Treed fen-marsh-swamp complex)**
Investigator Name:	**Elizabeth Robinson**
Date of Field Assessment:	**45229**
*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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	1.49	Lower	4.05	Moderate	2.50	1.80
Stream Flow & Temperature Support (SFTS)	8.12	Higher	4.88	Moderate	7.13	3.00
Sediment & Toxicant Retention & Stabilisation (SR)	2.87	Lower	1.80	Moderate	4.37	0.88
Phosphorus Retention (PR)	1.80	Lower	5.00	Moderate	3.70	4.17
Nitrate Removal & Retention (NR)	2.65	Lower	1.23	Lower	4.85	1.67
Carbon Stock (CS)	4.29	Moderate			5.98	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	7.86	Higher	9.09	Higher	6.64	6.49
Anadromous Fish Habitat (FA)	10.00	Higher	10.00	Higher	6.55	10.00
Resident & Other Fish Habitat (FR)	8.24	Higher	10.00	Higher	6.28	10.00
Amphibian & Turtle Habitat (AM)	1.53	Lower	3.44	Moderate	3.26	4.66
Waterbird Feeding Habitat (WBF)	6.91	Moderate	10.00	Higher	5.05	10.00
Waterbird Nesting Habitat (WBN)	8.32	Higher	10.00	Higher	6.40	10.00
Raptor & Wetland Songbird Habitat (RSB)	8.75	Higher	10.00	Higher	7.26	10.00
Keystone Mammal Habitat (KMH)	10.00	Higher	1.11	Lower	10.00	1.11
Native Plant Habitat (PH)	5.10	Moderate	2.25	Lower	5.95	2.71
Pollinator Habitat (POL)	8.24	Higher	3.33	Higher	6.54	3.33
Public Use & Recognition (PU)			1.85	Lower		1.70
Wetland Sensitivity (Sens)			6.87	Higher		4.05
Wetland Stressors (STR)			4.61	Moderate		4.24
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	1.49	Lower	4.05	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	3.60	Moderate	3.84	Moderate		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	6.73	Higher	8.04	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	8.50	Higher	9.34	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	9.01	Higher	7.09	Higher		
In NS, site is a WSS						

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	6.04	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	13.80	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	54.06	High
HABITAT SUPERGROUP - AQUATIC HABITAT	79.42	High
HABITAT SUPERGROUP - TRANSITION HABITAT	63.87	Moderate

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-WAL-037 (Treed Swamp)**
Investigator Name:	**Derrick Mitchell, Greg Quinn**
Date of Field Assessment:	**45211**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	1.52	Lower	3.78	Moderate	2.52	1.67
Stream Flow & Temperature Support (SFTS)	6.18	Moderate	8.54	Higher	5.43	5.25
Sediment & Toxicant Retention & Stabilisation (SR)	3.45	Lower	0.66	Lower	4.83	0.32
Phosphorus Retention (PR)	1.88	Lower	0.25	Lower	3.76	0.21
Nitrate Removal & Retention (NR)	3.23	Moderate	0.94	Lower	5.26	1.39
Carbon Stock (CS)	2.09	Lower			4.54	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	7.51	Higher	8.08	Higher	6.34	5.77
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	9.09	Higher	3.69	Moderate	6.94	1.55
Amphibian & Turtle Habitat (AM)	1.69	Lower	3.18	Moderate	3.37	4.45
Waterbird Feeding Habitat (WBF)	7.89	Moderate	10.00	Higher	5.77	10.00
Waterbird Nesting Habitat (WBN)	8.81	Higher	10.00	Higher	6.77	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.52	Moderate	10.00	Higher	6.23	10.00
Keystone Mammal Habitat (KMH)	10.00	Higher	2.22	Moderate	10.00	2.22
Native Plant Habitat (PH)	6.65	Higher	2.09	Lower	6.56	2.56
Pollinator Habitat (POL)	8.81	Higher	3.33	Higher	6.99	3.33
Public Use & Recognition (PU)			1.48	Lower		1.47
Wetland Sensitivity (Sens)			6.20	Moderate		3.84
Wetland Stressors (STR)			3.38	Lower		3.50
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	1.52	Lower	3.78	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	3.06	Moderate	0.78	Lower		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	6.03	Higher	8.42	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	7.30	Higher	7.69	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	9.12	Higher	7.21	Higher		

In NS, site is a WSS

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	5.76	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	2.37	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	50.84	High
HABITAT SUPERGROUP - AQUATIC HABITAT	56.07	High
HABITAT SUPERGROUP - TRANSITION HABITAT	65.73	Moderate

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

Site Name or ID#:	**WL-WAL-042 (Treed Swamp)**
Investigator Name:	**Derrick Mitchell, Greg Quinn**
Date of Field Assessment:	**45211**

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 3.0: Results for this Assessment Area (AA):

Specific Functions or Other Attributes	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	4.08	Moderate	4.33	Moderate	4.36	1.92
Stream Flow & Temperature Support (SFTS)	4.16	Moderate	1.35	Lower	3.65	0.83
Sediment & Toxicant Retention & Stabilisation (SR)	4.94	Moderate	0.68	Lower	6.00	0.33
Phosphorus Retention (PR)	1.99	Lower	0.17	Lower	3.85	0.14
Nitrate Removal & Retention (NR)	2.58	Lower	2.28	Lower	4.80	2.67
Carbon Stock (CS)	3.02	Lower			5.15	
Organic Nutrient Export (OE)	5.24	Moderate			2.06	
Aquatic Primary Productivity (APP)	6.06	Moderate	7.87	Higher	5.12	5.62
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Amphibian & Turtle Habitat (AM)	1.57	Lower	3.12	Moderate	3.29	4.40
Waterbird Feeding Habitat (WBF)	7.25	Moderate	10.00	Higher	5.30	10.00
Waterbird Nesting Habitat (WBN)	8.14	Higher	10.00	Higher	6.26	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.86	Higher	10.00	Higher	6.52	10.00
Keystone Mammal Habitat (KMH)	4.16	Moderate	2.22	Moderate	3.89	2.22
Native Plant Habitat (PH)	8.00	Higher	10.00	Higher	7.10	10.00
Pollinator Habitat (POL)	9.51	Higher	3.33	Higher	7.54	3.33
Public Use & Recognition (PU)			1.18	Lower		1.29
Wetland Sensitivity (Sens)			6.72	Higher		4.00
Wetland Stressors (STR)			3.10	Lower		3.33
Summary Ratings for Grouped Functions:						
HYDROLOGIC (HYg) (WS)	4.08	Moderate	4.33	Moderate		
WATER PURIFICATION (WQg) (SR, PR, NR, CS)	4.03	Moderate	1.66	Lower		
AQUATIC SUPPORT (ASg) (SFTS, APP, OE)	5.61	Moderate	6.24	Higher		
AQUATIC HABITAT (AHg) (FA, FR, AM, WBF, WBN)	5.77	Higher	7.31	Higher		
TRANSITION HABITAT (THg) (RSB, KMH, PH, POL)	8.44	Higher	8.19	Higher		
In NS, site is a WSS						

1. General Description of Tool:

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

A 'Function-Benefit Product' (FBP) is calculated based upon the Grouped Functions, and has a theoretical maximum of 100. Threshold values for the FBP are applied in order to categorize the FBP scores into 'Low', 'Moderate' or 'High' ratings. Thresholds are determined based upon the statistical distribution of WESP-AC scores compiled from 121 non-tidal calibration wetlands across Nova Scotia. These ratings are subsequently used to apply various 'Functional WSS Rules', as described below.

For the purpose of defining and applying the Function 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	17.67	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	6.70	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	35.00	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	42.16	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	69.19	High

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**In NS, site is a WSS**

3b. Functional WSS Determination - Manual Method Using Dichotomous Key

1a. (HAB) - One or more 'High' scores for AH or TH.....**2**
2a. (HAB) - Two 'High' scores.....**WSS**
2b. (HAB) - One 'High' score.....**3**
3a. (HAB) - Any combination of 'High' and 'Moderate' scores..... **WSS**
3b. (HAB) - Any combination of 'High' and 'Low' scores.....**4**
4a. (SUP) One or more 'High' Scores for HYD, WQS, or AS.....**5**
5a. (SUP) Two or Three 'High' scores ..... **WSS**
5b. (SUP) One 'High' score **6**
6a. (SUP) Any combo of one 'High', two 'Mod' scores..... **WSS**
6b. (SUP) One 'High', plus any other combo of scores.....**not WSS**
4b. (SUP) Zero 'High' Scores for HYD, WQS, or AS.....**7**
7a. (SUP) Three 'Moderate' scores..... **WSS**
7b. (SUP) Any other combination of scores .....**not WSS**
1b. (HAB) - Zero 'High' Scores for AH or TH.....**8**
8a. (SUP) Three 'High' Scores.....**WSS**
8b. (SUP) Less than three 'High' scores.....**9**
9a. (SUP) Two 'High' and one 'Moderate' score.....**WSS**
9b. (SUP) - Any other combination of scores .....**not WSS**

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	WL-CHI-020	Shrub Bog	0.130	0.365	Outflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Labrador Tea (*Rhododendron groenlandicum*) H: Cinnamon Fern
2	WL-CHI-022	Shrub Swamp	0.079	0.079	Throughflow	Terrene	Terrace	A1	A2,A3	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Black-girdled Bulrush (*Scirpus atrocinctus*)
3	WL-CHI-023	Treed Fen-Swamp Complex	0.419	3.625	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Black Spruce S: Black Spruce H: No herb found
4	WL-CHI-026	Shrub Bog-Swamp Complex	0.206	0.414	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Black Spruce S: Common Winterberry H: Cinnamon Fern
5	WL-CHI-029	Marsh	0.154	0.154	Throughflow	Terrene	Other	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Common Woolly Bulrush (*Scirpus cyperinus*)
6	WL-CHI-029A	Graminoid Fen	0.135	0.135	Throughflow	Terrene	Hillslope	A1	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Canada Manna Grass (*Glyceria canadensis*)
7	WL-CHI-030	Shrub Swamp	0.106	0.397	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Northern Bog Sedge (*Carex gynocrates*)
8	WL-CHI-038	Treed Swamp	0.264	0.309	Throughflow	Terrene	Basin	A11,A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Two-seeded Sedge (*Carex disperma*)
9	WL-CHI-041	Shrub Swamp	0.120	0.640	Throughflow	Terrene	Hillslope	A1,A4	A1,C1	No	No - Is known or likely to be fishless	T: Red Maple (*Acer rubrum*) S: Mountain Holly (*Ilex mucronata*) H: Tawny Cottongrass (*Eriophorum virginicum*)
10	WL-CHI-042	Shrub Fen	0.136	0.173	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Speckled Alder (*Alnus incana*) H: Bluejoint Reed Grass (*Calamagrostis canadensis*)
11	WL-CHI-047	Shrub Swamp	0.135	0.135	Throughflow	Terrene	Basin	A1,A4	A1,A3,C1	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
12	WL-CHI-050	Treed Bog	0.120	0.124	Outflow	Terrene	Basin	A4	A1,C1	No	No - Is known or likely to be fishless	T: None S: Sheep Laurel (*Kalmia angustifolia*) H: Canada Manna Grass
13	WL-CHI-055	Treed Swamp-Bog Complex	0.606	0.772	Throughflow	Terrene	Basin	A1	A1,A2,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Canada Manna Grass
14	WL-CHI-056	Shrub Swamp	0.150	0.374	Throughflow	Terrene	Hillslope	A1	A1,A2,A3	Yes	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Tawny Cottongrass
15	WL-CHI-057	Treed Fen	0.016	0.109	Throughflow	Terrene	Terrace	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: New York Fern
16	WL-CHI-058	Treed Swamp	0.089	0.154	Throughflow	Terrene	Floodplain	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Spruce H: Three-seeded Sedge (*Carex trisperma*)
17	WL-CHI-059	Shrub Marsh-Swamp Complex	0.021	0.356	Throughflow	Lentic	Flat	A1,A4	A1,A2,A3,B13,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Rhodora (*Rhododendron canadense*) H: Nodding Sedge (*Carex gynandra*)
18	WL-CHI-061	Shrub Fen	2.567	25.553	Throughflow	Terrene	Flat	A1,A4	A1,A2,A3,C1	No	Yes - Is known to support American eel	T: None S: Sweet Gale (*Myrica gale*) H: Bluejoint Reed Grass

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19	WL-CHI-061A	Treed Fen	0.144	0.539	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	Yes - Connected to nearby waters likely to contain Atlantic salmon and American eel	T: Red Spruce S: Red Spruce H: White Beakrush (*Rhynchospora alba*)
20	WL-CHI-063	Treed Swamp	0.043	0.054	Throughflow	Terrene	Terrace	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Spruce H: Cinnamon Fern
21	WL-CHI-064	Marsh	0.025	0.037	Throughflow	Lotic	Floodplain	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Canada Manna Grass
22	WL-CHI-065	Treed Swamp	0.248	0.798	Throughflow	Terrene	Hillslope	A1,A4	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Three-seeded Sedge
23	WL-CHI-067	Treed Swamp	0.257	0.448	Throughflow	Terrene	Terrace	A1	A1,A3,A2	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Yellow Birch H: Cinnamon Fern
24	WL-CHI-069	Treed Swamp	0.105	0.392	Throughflow	Terrene	Peatland	A1	A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Bunchberry
25	WL-CHI-075A	Treed Swamp	0.002	0.023	Throughflow	Terrene	Terrace	A1	A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Common Winterberry H: New York Fern
26	WL-CHI-078	Treed Swamp	0.040	0.040	Throughflow	Terrene	Terrace	S1	A2,A3,A1,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: New York Fern
27	WL-CHI-080	Treed Fen-Swamp Complex	0.387	5.449	Throughflow	Lotic	Floodplain	A1,A4	A1,A2,A3,C1,B13	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
28	WL-CHI-083	Treed Swamp	0.143	0.212	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Bunchberry
29	WL-CHI-084	Treed Bog-Swamp-Marsh Complex	0.282	0.559	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Three-seeded Sedge
30	WL-CHI-084A	Treed Swamp	0.192	0.366	Throughflow	Terrene	Terrace	A2	A1,A3,A2	No	No - Is known or likely to be fishless	T: Gray Birch (*Betula populifolia*) S: Gray Birch H: Bunchberry
31	WL-CHI-084B	Treed Swamp	1.381	4.073	Throughflow	Terrene	Terrace	A2	A2,A3,C1	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Cinnamon Fern
32	WL-CHI-084D	Shrub Swamp-Marsh Complex	0.166	2.364	Throughflow	Terrene	Fringe	A1	A1,A2,A3,B9	Yes	Yes - Is known or likely to have fish seasonally	T: Red Maple S: Speckled Alder H: Rough-stemmed Goldenrod
33	WL-CHI-085	Treed Swamp	0.047	0.234	Throughflow	Terrene	Flat	A1	C1	No	No - Is known or likely to be fishless	T: Balsam Fir S: Red Maple H: Cinnamon Fern
34	WL-CHI-086	Treed Swamp	0.359	0.446	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Cinnamon Fern
35	WL-CHI-094	Shrub Swamp	0.237	0.630	Throughflow	Terrene	Other	A1,A16	A1,A3	No	No - Is known or likely to be fishless	T: White Spruce (*Picea glauca*) S: Red Raspberry (*Rubus idaeus*) H: Rough-stemmed Goldenrod (*Solidago rugosa*)
36	WL-CHI-096	Treed Swamp	0.057	0.083	Throughflow	Terrene	Terrace	A1	A3	No	No - Is known or likely to be fishless	T: Red Spruce S: White Meadowsweet (*Spiraea alba*) H: Cinnamon Fern

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37	WL-CHI-097	Shrub Swamp	0.084	1.423	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Cinnamon Fern
38	WL-CHI-097A	Shrub Fen-Swamp Complex	0.038	0.095	Throughflow	Terrene	Other	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Speckled Alder H: Hairy Flat-top White Aster (*Doellingeria umbellata*)
39	WL-CHI-099	Shrub Swamp	0.189	0.540	Throughflow	Terrene	Basin	A1	A2,A3,A1	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Canada Manna Grass
40	WL-CHI-101	Treed Swamp	0.145	0.246	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B9	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Red Spruce H: Slender Manna Grass (*Glyceria melicaria*)
41	WL-CHI-104	Treed Swamp	0.092	0.117	Throughflow	Lotic	Fringe	F21	A1,A2,A3	No	Yes - Connected to nearby waters likely to contain Atlantic salmon and American eel	T: Balsam Fir S: Speckled Alder H: New York Fern
42	WL-CHI-107	Treed Swamp	0.158	0.234	Throughflow	Terrene	Peatland	A1	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Balsam Fir S: Bristly Dewberry (*Rubus hispidus*) H: Common Woolly Bulrush
43	WL-CHI-109	Treed Swamp	0.033	0.354	Throughflow	Terrene	Basin	A2	A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Bluejoint Reed Grass
44	WL-CHI-110	Treed Fen	0.108	0.179	Throughflow	Terrene	Floodplain	A1	A3	Yes	Yes - Is known to support American eel	T: Balsam Fir S: Balsam Fir H: Slender Manna Grass
45	WL-CHI-111	Shrub Swamp	0.075	0.100	Throughflow	Terrene	Other	A2	A2,A3,C1	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Bunchberry
46	WL-CHI-113	Shrub Swamp	0.209	0.262	Throughflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Spruce H: Nodding Sedge
47	WL-CHI-118	Shrub Fen	0.091	0.312	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B1,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Common Woolly Bulrush
48	WL-CHI-118A	Treed Swamp	0.087	0.117	Throughflow	Terrene	Hillslope	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Spruce H: Evergreen Wood Fern (*Dryopteris intermedia*)
49	WL-CHI-120	Treed Swamp	0.222	0.258	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Cinnamon Fern
50	WL-CHI-120A	Treed Swamp	0.181	0.181	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Whorled Wood Aster (*Oclemena acuminata*)
51	WL-CHI-122	Treed Fen-Swamp Complex	0.468	2.483	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Black Spruce S: Balsam Fir H: Cinnamon Fern
52	WL-CHI-122A	Treed Swamp	1.376	2.456	Throughflow	Terrene	Terrace	S5	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Bluejoint Reed Grass
53	WL-CHI-122B	Treed Fen	0.610	0.902	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Black Spruce S: Black Spruce H: Three-seeded Sedge
54	WL-CHI-124	Treed Swamp	0.337	2.935	Throughflow	Terrene	Floodplain	F21	A2,A3,A1	No	Yes - Is known to support American eel	T: Balsam Fir S: Speckled Alder H: Rough-stemmed Goldenrod

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55	WL-CHI-128A	Treed Swamp	0.082	0.091	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Spruce H: Canada Manna Grass
56	WL-CHI-132	Shrub Swamp	0.041	0.041	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Rough-stemmed Goldenrod
57	WL-CHI-133	Treed Swamp	0.449	0.843	Throughflow	Lotic	Terrace	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Cinnamon Fern
58	WL-CHI-134	Treed Swamp	0.084	0.088	Throughflow	Terrene	Terrace	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Whorled Wood Aster
59	WL-CHI-134A	Treed Swamp	0.151	0.154	Throughflow	Terrene	Hillslope	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Evergreen Wood Fern
60	WL-CHI-135	Treed Swamp	0.409	2.965	Throughflow	Terrene	Flat	A2	A1,A2,A3,B9,B13	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Rough-stemmed Goldenrod
61	WL-CHI-139	Shrub Fen-Marsh Complex	0.276	2.118	Throughflow	Terrene	Flat	A1	A1,A2,A3,B13	No	Yes - Is known or likely to have fish seasonally	T: None S: Balsam Fir H: Fowl Manna Grass
62	WL-CHI-141	Treed Swamp	0.220	0.308	Throughflow	Terrene	Flat	A1	A2,A3,B9	No	No - Is known or likely to be fishless	T: Gray Birch S: Gray Birch H: Beaked Spikerush (*Eleocharis rostellata*)
63	WL-CHI-141A	Treed Swamp-Marsh Complex	0.280	0.437	Throughflow	Terrene	Flat	A1	A1,A2,A3,B1,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Speckled Alder H: Beaked Spikerush
64	WL-CHI-141C	Shrub Swamp	0.126	0.273	Throughflow	Terrene	Basin	F21	A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Red Spruce H: Nodding Sedge
65	WL-CHI-144	Shrub Swamp	0.041	0.042	Throughflow	Terrene	Terrace	A2	A3	No	No - Is known or likely to be fishless	T: Red Maple S: White Meadowsweet H: Hairy Flat-top White Aster
66	WL-CHI-145	Shrub Swamp	0.012	0.012	Inflow	Terrene	Basin	A1	A1,A3,A2	No	No - Is known or likely to be fishless	T: None S: Red Maple H: Fowl Manna Grass
67	WL-CHI-146	Shrub Swamp	0.154	0.187	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Red Maple S: Yellow Birch H: Canada Manna Grass
68	WL-CHI-149	Treed Swamp	0.098	0.146	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Hairy Flat-top White Aster
69	WL-CHI-152	Treed Swamp	0.053	0.612	Throughflow	Terrene	Hillslope	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Northern Water Horehound (*Lycopus uniflorus*)
70	WL-CHI-155	Shrub Swamp-Marsh Complex	0.081	0.081	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Paper Birch (Betula papyrifera) S: Speckled Alder H: Beaked Spikerush
71	WL-CHI-158	Marsh	0.179	0.426	Throughflow	Terrene	Terrace	A1	A2,A3,B9	No	No - Is known or likely to be fishless	T: None S: Speckled Alder H: Common Woolly Bulrush
72	WL-CHI-159	Treed Swamp-Marsh Complex	0.208	0.376	Throughflow	Terrene	Other	A1	A1,A2,A3,B1	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Maple H: Tall Meadow-Rue (*Thalictrum pubescens*)
73	WL-CHI-159A	Marsh	0.093	0.093	Throughflow	Terrene	Other	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Small-fruited Bulrush (*Scirpus microcarpus*)

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74	WL-CHI-159B	Treed Swamp	0.072	0.199	Outflow	Terrene	Other	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Black Spruce S: Balsam Fir H: Grass-leaved Goldenrod (*Euthamia graminifolia*)
75	WL-CHI-162	Treed Swamp-Marsh Complex	0.016	0.125	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Black Spruce S: Red Maple H: Beaked Spikerush
76	WL-CHI-170	Marsh	0.977	1.821	Throughflow	Terrene	Flat	A1	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: None S: Black Spruce H: Narrow-leaved Cottongrass (*Eriophorum angustifolium*)
77	WL-CHI-175	Shrub Swamp	0.043	0.043	Throughflow	Terrene	Basin	A1	A1,A3	WESP-AC not completed	-	T: Red Spruce S: Balsam Fir H: Two-seeded Sedge
78	WL-CHI-176	Shrub Swamp	4.328	0.339	Throughflow	Terrene	Basin	A2	A1,A2,A3	WESP-AC not completed	-	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
79	WL-CHI-180	Treed Swamp-Bog Complex	0.436	1.291	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Nodding Sedge
80	WL-CHI-191	Shrub Swamp	0.236	7.481	Throughflow	Terrene	Terrace	S4	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Slender Manna Grass
81	WL-CHI-191A	Marsh	0.043	0.043	Throughflow	Lentic	Terrace	A1,A4	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Creeping Bent Grass (*Agrostis stolonifera*)
82	WL-CHI-213	Shrub Swamp	0.002	0.034	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: None S: Mountain Maple H: Slender Manna Grass
83	WL-CHI-233	Shrub Swamp	0.023	0.186	Throughflow	Terrene	Peatland	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Canada Manna Grass
84	WL-CHI-234	Shrub Swamp	0.110	0.210	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Michaux's Sedge (*Carex michauxiana*)
85	WL-CHI-235	Marsh	0.065	0.065	Throughflow	Terrene	Terrace	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Fowl Manna Grass
86	WL-CHI-236	Shrub Fen	0.022	0.060	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Spruce H: Fowl Manna Grass
87	WL-DEB-009	Treed Swamp	0.063	0.063	Throughflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Cinnamon Fern
88	WL-DEB-021	Shrub Bog-Swamp Complex	0.016	0.016	Throughflow	Terrene	Flat	A1	A3	No	No - Is known or likely to be fishless	T: None S: Speckled Alder H: Bog Aster (*Oclemena nemoralis*)
89	WL-DEB-022	Treed Fen	0.241	12.359	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Wild Raisin (*Viburnum nudum var cassinoides*) H: None
90	WL-DEB-022A	Treed Swamp	0.043	0.043	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Fowl Manna Grass
91	WL-DEB-024	Shrub Fen-Swamp Complex	0.351	1.043	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Sheep Laurel H: Three-leaved False Soloman's Seal (*Maianthemum trifolium*)

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92	WL-DEB-026	-	1.117	0.409	-	-	-	-	-	WESP-AC not completed	-	Determination plots not completed
93	WL-DEB-031	Shrub Fen	0.044	0.044	Throughflow	Terrene	Flat	A1	A1,B13	No	No - Is known or likely to be fishless	T: None S: White Meadowsweet H: Cinnamon Fern
94	WL-DEB-036	Treed Swamp	0.089	0.091	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Fowl Manna Grass
95	WL-DEB-037	Shrub Fen	0.264	1.248	Throughflow	Terrene	Terrace	A1	A1,A3,B9,A2	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Marsh Blue Violet (*Viola cucullata*)
96	WL-DEB-038	Shrub Swamp	0.016	0.016	Inflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Canada Manna Grass
97	WL-DEB-038A	Treed Swamp	0.013	0.013	Throughflow	Terrene	Basin	A11	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Bunchberry
98	WL-DEB-041	Shrub Swamp	0.009	0.119	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Canada Manna Grass
99	WL-DEB-043	Shrub Swamp	0.284	0.292	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Creeping Snowberry (*Gaultheria hispidula*)
100	WL-DEB-044	Shrub Swamp	0.056	0.069	Throughflow	Terrene	Flat	A1	A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Brown-Fruited Rush (*Juncus pelocarpus*)
101	WL-DEB-046	Shrub Swamp	0.038	0.067	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Star Sedge
102	WL-DEB-047	Shrub Swamp	0.064	0.064	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Spruce H: Cinnamon Fern
103	WL-DEB-055	Treed Swamp	0.604	2.281	Throughflow	Terrene	Peatland	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Fringed Sedge (*Carex crinita*)
104	WL-DEB-055A	Treed Swamp	0.210	0.224	Throughflow	Terrene	Basin	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Canada Manna Grass
105	WL-DEB-055C	Treed Swamp	0.067	0.080	Throughflow	Terrene	Flat	A1	A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Canada Manna Grass
106	WL-DEB-055D	Treed Swamp	0.019	0.019	Throughflow	Terrene	Basin	A1	A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Cinnamon Fern
107	WL-DEB-060	Shrub Fen-Marsh Complex	0.556	0.289	-	-	-	-	-	No	No - Is known or likely to be fishless	Determination plots not completed
108	WL-DEB-063A	Treed Swamp	0.071	0.078	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Canada Manna Grass
109	WL-DEB-067	Treed Swamp	0.538	2.325	Outflow	Terrene	Basin	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Speckled Alder H: Whorled Wood Aster
110	WL-DEB-067A	Treed Swamp	0.066	0.066	Throughflow	Terrene	Terrace	F21	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Red Spruce H: Canada Manna Grass
111	WL-DEB-073	Shrub Fen	0.055	0.110	Throughflow	Terrene	Hillslope	A1,A4	A2,A3,C1	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Cinnamon Fern

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112	WL-DEB-076	Treed Swamp	0.121	0.121	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Sensitive Fern
113	WL-DEB-078	Shrub Fen-Swamp Complex	0.575	3.236	Throughflow	Terrene	Other	A1	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Gray Birch S: Red Spruce H: Hairy Flat-top White Aster
114	WL-DEB-079	Treed Fen	0.206	0.510	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Fowl Manna Grass
115	WL-DEB-082	Shrub Swamp	0.016	0.016	Inflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Fowl Manna Grass
116	WL-DEB-083	Shrub Fen	0.084	0.084	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: White Spruce S: Yellow Birch H: Common Woolly Bulrush
117	WL-DEB-085	Treed Fen-Swamp Complex	0.321	1.494	Throughflow	Terrene	Peatland	A1	A1,A2	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Speckled Alder H: Brown-Fruited Rush
118	WL-DEB-086	Shrub Fen	0.036	0.036	Throughflow	Terrene	Basin	A1,A4	A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Spruce H: Nodding Sedge
119	WL-DEB-089A	Treed Fen	0.053	0.053	Throughflow	Terrene	Basin	A1	A3,B8	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Canada Manna Grass
120	WL-DEB-091	Shrub Swamp	0.165	0.188	Throughflow	Terrene	Hillslope	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Spruce H: Canada Manna Grass
121	WL-DEB-092	Treed Fen	0.997	1.455	Outflow	Terrene	Peatland	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Red Spruce H: Three-leaved False Soloman's Seal
122	WL-DEB-093	Treed Swamp	0.069	0.084	Throughflow	Terrene	Terrace	A1	A1,A2,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Slender Manna Grass
123	WL-DEB-095	Shrub Swamp	0.076	0.076	Throughflow	Lotic	Floodplain	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Canada Manna Grass
124	WL-DEB-098	Treed Swamp	0.015	0.025	Throughflow	Terrene	Flat	S1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Yellow Birch H: Goldthread (*Coptis trifolia*)
125	WL-DEB-102	Shrub Swamp	0.057	0.057	Throughflow	Lotic	Hillslope	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Red Spruce H: Soft Rush
126	WL-DEB-109A	Treed Swamp	0.027	0.027	Inflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Raspberry H: Canada Manna Grass
127	WL-DEB-112	Treed Swamp	0.001	0.077	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Canada Manna Grass
128	WL-DEB-116	Treed Swamp	0.010	0.010	Throughflow	Terrene	Hillslope	A1	A1,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Maple H: New York Fern
129	WL-DEB-119	Treed Fen	0.144	0.144	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Velvet-leaved Blueberry (*Vaccinium myrtilloides*) H: New York Fern
130	WL-DEB-121	Treed Swamp	0.076	1.574	Throughflow	Terrene	Flat	A1	A1,A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Canada Manna Grass

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131	WL-DEB-124	Treed Swamp	0.065	0.120	Throughflow	Lentic	Fringe	A11	A1,A3,B9,C7	Yes	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Cinnamon Fern
132	WL-DEB-129	Treed Fen-Swamp Complex	0.107	0.443	Throughflow	Terrene	Basin	A1,A4	A3,A2,A1,C1	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Speckled Alder H: Slender Manna Grass
133	WL-DEB-135	Treed Swamp	0.055	0.117	Inflow	Terrene	Flat	F21	B9	No	No - Is known or likely to be fishless	T: Red Maple S: Red Spruce H: Evergreen Wood Fern
134	WL-DEB-136	Shrub Swamp	0.151	0.223	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Common Woolly Bullrush
135	WL-DEB-141	Shrub Fen	0.051	0.051	Throughflow	Terrene	Basin	F21	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: White Meadowsweet H: Star Sedge
136	WL-DEB-142	Treed Swamp	0.013	0.038	Throughflow	Terrene	Flat	A1	A3,A1,B9	No	No - Is known or likely to be fishless	T: Red Maple S: Red Maple H: Canada Manna Grass
137	WL-DEB-144	Treed Fen-Swamp Complex	2.045	2.072	Throughflow	Terrene	Flat	A1	A1,A2,A3	Yes	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Black Huckleberry (*Gaylussacia baccata*) H: Cinnamon Fern
138	WL-DEB-156	Treed Swamp	0.126	3.383	Throughflow	Lotic	Floodplain	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Slender Manna Grass
139	WL-DEB-157	Treed Swamp	0.530	0.767	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Balsam Fir H: Slender Manna Grass
140	WL-DEB-160	Treed Swamp	0.012	0.168	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Maple S: White Meadowsweet H: Cinnamon Fern
141	WL-DEB-162	Shrub Swamp	0.036	0.313	Throughflow	Terrene	Basin	A11	A3,B9	No	No - Is known or likely to be fishless	T: None S: Speckled Alder H: New York Fern
142	WL-DEB-165	Treed Swamp	0.194	0.206	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Alleghaney Blackberry H: Canada Manna Grass
143	WL-DEB-166	Treed Swamp	0.036	0.106	Throughflow	Terrene	Basin	A1	A1,A2	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Slender Manna Grass
144	WL-DEB-168	Treed Swamp	0.068	0.180	Throughflow	Terrene	Terrace	A1	A2,A3,A1,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Slender Manna Grass
145	WL-DEB-169	Shrub Swamp	0.069	0.069	Throughflow	Terrene	Terrace	A1	A2,A3,B2,A1	No	No - Is known or likely to be fishless	T: None S: Speckled Alder H: New York Fern
146	WL-DEB-170	Treed Swamp	0.045	0.167	Throughflow	Terrene	Flat	A1	A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Red Raspberry H: Bluejoint Reed Grass
147	WL-DEB-180	Shrub Swamp	0.070	0.070	Throughflow	Terrene	Peatland	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Fowl Manna Grass
148	WL-DEB-181	Shrub Swamp	0.028	0.121	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Dwarf Red Raspberry
149	WL-DEB-182	Treed Bog-Swamp Complex	0.480	0.528	Throughflow	Terrene	Flat	A1	A2,A3,A1,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Cinnamon Fern

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150	WL-DEB-184	Shrub Swamp	0.030	0.030	Throughflow	Terrene	Terrace	A2	A3	No	No - Is known or likely to be fishless	T: American Beech (*Fagus grandifolia*) S: American Beech H: Evergreen Wood Fern
151	WL-DEB-189	Treed Swamp	0.061	0.140	Throughflow	Terrene	Basin	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Speckled Alder H: Sensitive Fern
152	WL-DEB-193	Treed Swamp	0.734	2.476	Throughflow	Terrene	Flat	A4	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: None S: Speckled Alder H: Nodding Sedge
153	WL-DEB-196	Treed Swamp	0.068	0.068	Throughflow	Terrene	Peatland	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Star Sedge
154	WL-DEB-200	Treed Swamp	0.148	0.194	-	-	-	-	-	WESP-AC not completed	-	Determination plots not completed
155	WL-DEB-208	Shrub Swamp	0.025	0.025	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Speckled Alder H: Dwarf Red Raspberry
156	WL-DEB-210	Treed Swamp	0.079	0.084	Throughflow	Terrene	Hillslope	A1	A1,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Evergreen Wood Fern
157	WL-DEB-213	Treed Swamp	0.084	2.063	Throughflow	Terrene	Basin	A11	A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Dwarf Red Raspberry
158	WL-DEB-214	Treed Swamp	0.059	0.241	Throughflow	Terrene	Terrace	F21	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Slender Manna Grass
159	WL-DEB-217	Shrub Swamp	0.532	34.696	Throughflow	Lotic	Peatland	A1	A1,A2,A3,B9	Yes	Yes - Is known to support American eel	T: Red Spruce S: Speckled Alder H: Small Enchanter's Nightshade (*Circaea alpina*)
160	WL-DEB-218	Treed Fen	0.019	0.546	Throughflow	Terrene	Flat	A1	A1,A2,A3,B13	No	No - Is known or likely to be fishless	T: Balsam Fir S: Speckled Alder H: Canada Manna Grass
161	WL-DEB-219	Treed Swamp	0.180	0.192	Outflow	Terrene	Flat	A1	A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Maple H: Slender Manna Grass
162	WL-DEB-221	Treed Swamp	0.132	0.172	Throughflow	Terrene	Flat	A1	A2,A3,A1,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Bebb's Willow H: Fowl Manna Grass
163	WL-DEB-224	Shrub Swamp	0.053	0.059	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Slender Manna Grass
164	WL-DEB-228	Shrub Fen-Swamp Complex	0.480	4.094	Throughflow	Terrene	Basin	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Speckled Alder H: Slender Manna Grass
165	WL-DEB-234	Shrub Swamp	0.093	0.124	Throughflow	Terrene	Basin	F21	A2,A1,A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Yellow Birch H: Canada Manna Grass
166	WL-DEB-237	Treed Swamp	0.042	0.084	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Slender Manna Grass
167	WL-DEB-238	Treed Swamp	0.213	4.981	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: New York Fern
168	WL-DEB-240	Treed Swamp	0.078	0.078	Outflow	Terrene	Basin	F21	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Bebb's Willow H: Brown-Fruited Rush

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169	WL-DEB-243	Shrub Swamp	0.025	0.164	Outflow	Terrene	Basin	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Black Spruce S: Speckled Alder H: Slender-Fruited Willow-Herb (*Epilobium leptocarpum*)
170	WL-DEB-247	Shrub Swamp	0.109	0.144	Outflow	Terrene	Basin	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Black Spruce S: Speckled Alder H: Cinnamon Fern
171	WL-DEB-251	Treed Swamp	0.093	0.209	Throughflow	Terrene	Basin	A2	A2,A1,A3	No	Yes - Is known or likely to have fish seasonally	T: Balsam Fir S: Red Maple H: Dwarf Red Raspberry
172	WL-DEB-252	Treed Swamp	0.239	0.537	Inflow	Terrene	Hillslope	A2	A1,A2,A3,B1,B9	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Red Maple H: Fowl Manna Grass
173	WL-DEB-253	Shrub Swamp	0.125	0.287	Throughflow	Terrene	Flat	A1	A2,A3,B9	No	Yes - Is known or likely to have fish seasonally	T: None S: Speckled Alder H: Soft Rush
174	WL-DEB-255	Treed Swamp	0.003	0.112	Outflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Speckled Alder H: Two-seeded Sedge
175	WL-DEB-256	Treed Fen	0.125	0.125	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Black Spruce H: Bog Aster
176	WL-DEB-262	Shrub Fen	0.011	0.082	Throughflow	Terrene	Terrace	A1	A3	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Bluejoint Reed Grass
177	WL-DEB-263	Treed Fen	0.774	0.857	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Black Spruce H: White Beakrush
178	WL-DEB-263A	Treed Fen-Swamp Complex	0.033	0.033	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Nodding Sedge
179	WL-DEB-264	Treed Swamp	0.142	10.811	Throughflow	Terrene	Peatland	A1	A1,A2,A3,B9	No	Yes - Is known or likely to have fish seasonally	T: Balsam Fir S: Balsam Fir H: Cinnamon Fern
180	WL-DEB-265	Shrub Swamp-Marsh Complex	0.034	0.037	Throughflow	Terrene	Pond	F21	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: None H: Sallow Sedge (*Carex lurida*)
181	WL-DEB-266	Treed Swamp	0.092	0.190	Throughflow	Terrene	Flat	A1	A2,A3,A1,B9	Yes	No - Is known or likely to be fishless	T: Yellow Birch S: Red Maple H: Slender Manna Grass
182	WL-DEB-267	Treed Fen	0.238	0.896	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Black Spruce H: White Beakrush
183	WL-DEB-268	Treed Swamp	0.066	0.104	Throughflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Black Spruce H: None
184	WL-DEB-269	Treed Swamp	0.046	0.053	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Speckled Alder H: Rough-stemmed Goldenrod
185	WL-DEB-273	Treed Swamp	0.414	0.516	Throughflow	Terrene	Flat	A1	A1,A2,A3,B1,B9	WESP-AC not completed	No - Is known or likely to be fishless	T: None S: Red Maple H: Cinnamon Fern
186	WL-DEB-275	Shrub Swamp	0.058	1.519	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9	No	Yes - Connected to nearby waters likely to contain Atlantic salmon and American eel	T: Yellow Birch S: Balsam Fir H: Star Sedge

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187	WL-DEB-276	Shrub Fen	0.163	0.171	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Common Winterberry H: Cinnamon Fern
188	WL-DEB-276A	Shrub Fen-Swamp Complex	0.088	0.152	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Star Sedge
189	WL-DEB-276B	Treed Swamp-Fen Complex	0.119	0.123	Throughflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Sheep Laurel H: Creeping Snowberry
190	WL-DEB-276C	Treed Swamp	0.046	0.046	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Mountain Holly H: Cinnamon Fern
191	WL-DEB-276D	Shrub Fen	0.016	0.028	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Cinnamon Fern
192	WL-DEB-276E	Graminoid Fen	0.036	0.036	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Black Spruce H: Canada Manna Grass
193	WL-DEB-276F	Treed Swamp	0.178	0.179	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Star Sedge
194	WL-DEB-277	Treed Swamp	0.017	0.064	Throughflow	Terrene	Flat	S1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Paper Birch H: Fowl Manna Grass
195	WL-DEB-286	Shrub Bog-Swamp Complex	0.070	0.070	Throughflow	Terrene	Flat	A1,A4	A3,A2,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Bog Labrador Tea H: Cinnamon Fern
196	WL-DEB-287	Shrub Bog-Swamp Complex	0.135	0.141	Throughflow	Terrene	Flat	A1	A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
197	WL-DEB-288	Treed Swamp	0.132	2.813	Outflow	Terrene	Terrace	A1	A3,A2,A1	No	No - Is known or likely to be fishless	T: Balsam Fir S: Red Maple H: Two-seeded Sedge
198	WL-DEB-291	Treed Swamp	0.148	0.163	Throughflow	Terrene	Other	A2	A1,A2,A3,B9	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Speckled Alder H: Dwarf Red Raspberry
199	WL-DEB-292	Shrub Bog-Swamp Complex	0.021	0.029	Throughflow	Terrene	Flat	A1,A4	A2,A3,C1	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Cinnamon Fern
200	WL-DEB-293	Shrub Swamp	0.027	0.088	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Cinnamon Fern
201	WL-DEB-295	Treed Swamp	0.083	0.087	Throughflow	Terrene	Terrace	F21	A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Cinnamon Fern
202	WL-DEB-296	Treed Swamp	0.064	1.020	Outflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Maple S: Black Spruce H: Cinnamon Fern
203	WL-DEB-297	Shrub Fen	0.302	0.358	Inflow	Terrene	Terrace	A1,A4	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Red Spruce H: Three-seeded Sedge
204	WL-DEB-298A	Shrub Bog-Swamp Complex	0.140	0.140	Throughflow	Terrene	Terrace	A1	A2,A3,C1	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: None
205	WL-DEB-299	Treed Swamp	0.030	0.034	Throughflow	Terrene	Basin	S1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Maple H: Canada Manna Grass

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206	WL-DEB-300	Treed Swamp	0.089	0.089	Throughflow	Terrene	Terrace	A1	A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Cinnamon Fern
207	WL-DEB-303A	Treed Swamp	0.099	0.100	Outflow	Terrene	Basin	A1	A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Cinnamon Fern
208	WL-DEB-305	Treed Swamp	0.204	0.212	Throughflow	Terrene	Flat	S1	A3	No	No - Is known or likely to be fishless	T: Red Maple S: Speckled Alder H: Hairy Flat-top White Aster
209	WL-DEB-306	Treed Swamp	0.096	0.096	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B9,C7	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Cinnamon Fern
210	WL-DEB-308	-	0.145	0.003	-	-	-	-	-	WESP-AC not completed	-	Determination plots not completed
211	WL-DEB-308A	Treed Swamp	0.039	0.428	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Cinnamon Fern
212	WL-DEB-309	Treed Swamp	0.162	0.307	Throughflow	Terrene	Flat	A1	A1,A2,A3,B9,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Slender Manna Grass
213	WL-DEB-314	Treed Bog-Swamp Complex	0.047	0.453	Throughflow	Terrene	Peatland	A1	A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Two-seeded Sedge
214	WL-DEB-315	Shrub Swamp	0.454	1.249	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Maple S: Speckled Alder H: Cinnamon Fern
215	WL-DEB-318	Treed Fen	0.181	0.270	Throughflow	Lotic	Floodplain	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Canada Manna Grass
216	WL-DEB-319	Shrub Swamp	0.017	0.148	Throughflow	Terrene	Basin	A1,A4	A1,A3,C1	Yes	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Bluejoint Reed Grass
217	WL-DEB-323	Treed Fen	0.082	0.557	Throughflow	Terrene	Peatland	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Mountain Holly H: Two-seeded Sedge
218	WL-DEB-324	Treed Bog-Swamp Complex	1.248	2.626	Throughflow	Terrene	Peatland	A1	A1,A2,A3,B9	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Balsam Fir H:Two-seeded Sedge
219	WL-DEB-325	Treed Swamp	0.053	0.053	Outflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Yellow Birch H: Common Woolly Bulrush
220	WL-DEB-326	Treed Swamp	0.048	1.008	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Cinnamon Fern
221	WL-DEB-327	Treed Swamp	0.266	1.654	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Yellow Birch H: Whorled Wood Aster
222	WL-DEB-328	Treed Swamp	0.170	0.200	Throughflow	Terrene	Flat	A1	A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Yellow Birch H: Canada Goldenrod
223	WL-DEB-329	Treed Fen	0.161	3.570	Throughflow	Terrene	Peatland	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Three-seeded Sedge
224	WL-DEB-331	Shrub Swamp-Bog Complex	0.202	0.594	Throughflow	Terrene	Flat	A1,A4	A2,A3,C1	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Cinnamon Fern
225	WL-DEB-333	Treed Fen	0.053	0.233	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Maple H: Soft Rush

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226	WL-DEB-334	Treed Swamp	0.036	0.268	Throughflow	Terrene	Flat	A1	A3	Yes	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Speckled Alder H: Wild Strawberry (*Fragaria virginiana*)
227	WL-DEB-335	Treed Fen-Swamp Complex	0.205	0.637	Throughflow	Terrene	Terrace	A1,A4	C1,A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: None S: Speckled Alder H: Northern Bog Goldenrod (*Solidago uglinosa*)
228	WL-DEB-337	Shrub Fen-Swamp Complex	0.018	0.323	Throughflow	Terrene	Basin	A1,A4	A2,A3,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Bluejoint Reed Grass
229	WL-DEB-339	Treed Swamp	0.168	0.279	Throughflow	Terrene	Flat	A1	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Yellow Birch S: Speckled Alder H: Cinnamon Fern
230	WL-DEB-340	Treed Swamp	0.266	16.660	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Northern Water Horehound (*Lycopus uniflorus*)
231	WL-DEB-341	Treed Bog-Swamp Complex	0.083	0.128	Outflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Mountain Holly H: Cinnamon Fern
232	WL-DEB-343	Treed Swamp	0.085	0.089	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Fowl Manna Grass
233	WL-DEB-343A	Treed Swamp	0.071	0.071	Throughflow	Terrene	Peatland	A1	A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Cinnamon Fern
234	WL-DEB-344	Shrub Fen	0.166	0.520	Throughflow	Terrene	Flat	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: None S: Black Spruce H: Canada Manna Grass
235	WL-DEB-344A	Treed Fen	0.077	0.077	Throughflow	Terrene	Basin	A1	A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Red Maple H: Cinnamon Fern
236	WL-DEB-345	Treed Swamp	0.364	0.447	Throughflow	Terrene	Basin	A1	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Black Spruce S: Black Spruce H: Three-leaved False Soloman's Seal
237	WL-DEB-346	Treed Fen	0.086	0.422	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
238	WL-DEB-349	Treed Swamp	0.035	0.035	Throughflow	Terrene	Basin	A1	A3,A2	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Fowl Manna Grass
239	WL-DEB-350	Treed Swamp	0.043	0.050	Outflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Maple H: Cinnamon Fern
240	WL-DEB-351	Shrub Fen-Swamp Complex	0.159	0.408	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Star Sedge
241	WL-DEB-352	Treed Swamp	0.270	3.881	Throughflow	Terrene	Basin	A1	A3	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Red Spruce H: Hairy Flat-top White Aster
242	WL-DEB-353	Treed Swamp	0.063	2.159	Throughflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Cinnamon Fern
243	WL-DEB-354	Treed Swamp	0.018	1.580	Throughflow	Terrene	Basin	A1	A1,A2,A3,B9	No	Yes - Is known to support American eel	T: Balsam Fir S: Speckled Alder H: Dwarf Red Raspberry
244	WL-DEB-355	Shrub Swamp	0.062	0.596	Throughflow	Terrene	Basin	A1	A1,A2,A3,B9	No	Yes - Is known or likely to have fish seasonally	T: Balsam Fir S: Speckled Alder H: Slender Manna Grass

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245	WL-DEB-356	Shrub Swamp	0.108	0.394	Throughflow	Terrene	Basin	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Sensitive Fern
246	WL-DEB-357	Treed Swamp	0.019	0.064	Throughflow	Terrene	Basin	A1	A1,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: New York Fern
247	WL-DEB-358	Treed Swamp	0.175	0.187	Throughflow	Terrene	Peatland	A2	A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Fowl Manna Grass
248	WL-DEB-360	Treed Swamp	0.229	0.348	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Speckled Alder H: Slender Manna Grass
249	WL-DEB-362	Treed Swamp	0.000	0.031	Throughflow	Terrene	Basin	A1	A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Slender Manna Grass
250	WL-DEB-365	Treed Swamp	0.998	0.440	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Speckled Alder H: Cinnamon Fern
251	WL-DEB-367	Treed Swamp	0.344	0.059	Throughflow	Terrene	Basin	F3	A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Cinnamon Fern
252	WL-FOL-004	Treed Swamp	0.093	0.093	Outflow	Terrene	Basin	F21	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: None H: Cinnamon Fern
253	WL-FOL-019	Treed Fen-Swamp Complex	0.345	1.925	Inflow	Terrene	Peatland	A2	A1,A2,A3,B1,C1	No	Yes - Is known or likely to have fish seasonally	T: Black Spruce S: Speckled Alder H: Fowl Manna Grass
254	WL-FOL-020	Treed Fen-Swamp Complex	0.264	1.319	Throughflow	Terrene	Basin	A1,A4	A1,A2,A3	Yes	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Cinnamon Fern
255	WL-FOL-027	Marsh	0.346	10.692	Outflow	Terrene	Basin	A1	A1,A2,A3,B1,B9	No	Yes - Is known or likely to have fish seasonally	T: Black Spruce S: None H: Bog Aster
256	WL-FOL-028	Treed Swamp	0.041	0.041	Outflow	Terrene	Flat	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Balsam Fir S: None H: Fowl Manna Grass
257	WL-FOL-029	Shrub Swamp	0.075	0.077	Throughflow	Terrene	Flat	A1	A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Sensitive Fern
258	WL-FOL-034	Shrub Bog	0.086	0.153	Isolated	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Common Winterberry H: Cinnamon Fern
259	WL-FOL-034A	Shrub Swamp-Bog Complex	0.009	0.009	Throughflow	Terrene	Flat	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Cinnamon Fern
260	WL-FOL-036	Treed Fen-Swamp Complex	0.375	0.884	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Two-seeded Sedge
261	WL-FOL-038	Shrub Fen-Swamp Complex	0.004	0.203	Throughflow	Terrene	Flat	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Common Woolly Bulrush
262	WL-FOL-046	Treed Fen	0.012	2.150	Throughflow	Terrene	Terrace	A1,A4	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Black Spruce H: Bluejoint Reed Grass
263	WL-FOL-049	Treed Swamp	0.021	0.039	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Spruce H: Canada Manna Grass

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264	WL-FOL-051	Shrub Swamp	0.053	0.100	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Purple-stemmed Aster (*Symphyotrichum puniceum*)
265	WL-FOL-054	Treed Swamp	0.048	0.069	Throughflow	Terrene	Terrace	A1	A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Cinnamon Fern
266	WL-FOL-056	Shrub Swamp	0.119	0.598	Throughflow	Terrene	Peatland	A4	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Cinnamon Fern
267	WL-FOL-058	Shrub Swamp	0.265	0.369	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Bluejoint Reed Grass
268	WL-FOL-062	Treed Bog	0.367	0.391	Outflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: White Beakrush
269	WL-FOL-062A	Treed Swamp	0.063	0.063	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Cinnamon Fern
270	WL-FOL-065	Treed Bog	0.151	0.172	Outflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Leatherleaf (*Chamaedaphne calyculata*) H: Cinnamon Fern
271	WL-FOL-075	Shrub Swamp	0.537	0.537	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Black Spruce H: Bog Aster
272	WL-FOL-075A	Shrub Swamp	0.032	0.032	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Canada Manna Grass
273	WL-FOL-076	Shrub Swamp	0.708	0.708	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Alleghaney Blackberry
274	WL-FOL-077	Treed Fen-Swamp Complex	0.015	0.496	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Balsam Fir H: Twinflower (*Linnaea borealis*)
275	WL-FOL-078	Treed Swamp	2.828	12.123	Throughflow	Terrene	Flat	A4,A1	A1,A2,A3,C1	No	Yes - Connected to nearby waters likely to contain Atlantic salmon and American eel	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
276	WL-FOL-079	Treed Fen	0.371	2.480	Outflow	Terrene	Basin	A1,A4	A2,A3	Yes	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Tall Meadow-Rue
277	WL-FOL-079A	Treed Swamp	0.097	0.379	Throughflow	Lotic	Floodplain	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Fringed Sedge
278	WL-FOL-082	Shrub Swamp	0.055	0.055	Inflow	Terrene	Basin	A11	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Cinnamon Fern
279	WL-FOL-085A	Marsh	0.041	0.041	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Small-fruited Bulrush
280	WL-FOL-091	Treed Bog-Swamp Complex	0.038	0.367	Throughflow	Terrene	Flat	A1	A2,A3,A1	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Cinnamon Fern
281	WL-FOL-092	Treed Fen	0.093	0.093	Throughflow	Terrene	Flat	A1	A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Spruce H: Cinnamon Fern

#	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)
282	WL-FOL-093	Shrub Bog-Swamp Complex	0.080	0.082	Throughflow	Terrene	Terrace	A1	A2,A3,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Bluejoint Reed Grass
283	WL-FOL-094	Treed Fen	0.002	0.336	Throughflow	Terrene	Basin	A1	A1,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Canada Manna Grass
284	WL-FOL-095	Treed Fen	0.092	0.124	Throughflow	Terrene	Flat	A1,A4	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Three-seeded Sedge
285	WL-FOL-096	Treed Fen	0.134	0.247	Throughflow	Terrene	Flat	A2	A3,A2	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
286	WL-FOL-099	Treed Fen	0.407	1.486	Throughflow	Terrene	Terrace	A1,A4	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
287	WL-FOL-100	Treed Swamp	0.248	0.556	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Speckled Alder H: Interrupted Fern (*Claytosmunda claytoniana*)
288	WL-FOL-100A	Shrub Swamp	0.021	0.021	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Nodding Sedge
289	WL-FOL-100B	Treed Swamp	0.031	0.031	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Marsh Blue Violet
290	WL-FOL-100C	Treed Swamp	0.025	0.025	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: Bluejoint Reed Grass
291	WL-FOL-100D	Shrub Swamp	0.039	0.039	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Common Woolly Bulrush
292	WL-FOL-100F	Treed Swamp	0.053	0.053	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Slender Manna Grass
293	WL-FOL-101	Shrub Fen-Swamp Complex	0.071	0.071	Throughflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Balsam Fir H: Cinnamon Fern
294	WL-FOL-102	Shrub Fen	0.079	0.087	Outflow	Terrene	Basin	A1	A1,A3,A2	No	No - Is known or likely to be fishless	T: None S: Red Maple H: Bog Aster
295	WL-FOL-105	Treed Fen-Marsh Complex	0.346	0.802	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: None H: Sensitive Fern
296	WL-FOL-106	Treed Swamp	0.066	0.066	Throughflow	Terrene	Basin	A1	A2,A3,A1	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Spruce H: Evergreen Wood Fern
297	WL-FOL-110	Treed Swamp	0.319	0.832	Throughflow	Terrene	Basin	A11	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Red Maple H: Slender Manna Grass
298	WL-FOL-111	Treed Swamp	0.059	0.070	Inflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Cinnamon Fern
299	WL-FOL-113	Treed Swamp	0.055	0.055	Throughflow	Terrene	Basin	A1	A2,A1,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Yellow Birch H: New York Fern
300	WL-FOL-114	Treed Fen-Swamp Complex	0.239	1.007	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Mountain Holly H: Three-seeded Sedge

#	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)
301	WL-FOL-115	Treed Swamp	0.139	0.139	Throughflow	Terrene	Basin	A2	A2,A1,A3	No	No - Is known or likely to be fishless	T: Paper Birch S: Yellow Birch H: Three-seeded Sedge
302	WL-FOL-117	Treed Swamp	0.021	0.017	Throughflow	Terrene	Basin	A1	A1,A2,A3	WESP-AC not completed	-	T: None S: Speckled Alder H: Arrow-leaved Smartweed
303	WL-FOL-120	Herbaceous Swamp	0.059	0.059	Throughflow	Terrene	Basin	TF2	A1,A2,A3	WESP-AC not completed	-	T: None S: None H: Arrow-leaved Smartweed
304	WL-FOL-129	Shrub Swamp	0.021	0.021	Throughflow	Terrene	Basin	0	A1,A2,A3	WESP-AC not completed	-	T: Red Spruce S: Pussy Willow H: Hairy Flat-top White Aster
305	WL-FOL-2163	Treed Swamp	0.080	0.095	Throughflow	Terrene	Flat	A4	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Spruce H: Fowl Manna Grass
306	WL-FOL-2164	Treed Swamp	0.082	0.103	Throughflow	Terrene	Flat	F21	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Red Spruce S: Yellow Birch H: Common Tall Manna Grass (*Glyceria grandis*)
307	WL-FOL-2165	Treed Swamp	0.024	0.742	Throughflow	Terrene	Flat	S1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Speckled Alder H: Sensitive Fern
308	WL-FOL-2166	Treed Swamp	0.241	0.330	Throughflow	Terrene	Terrace	A1	A1,A2,A3,B9	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Maple H: Slender Manna Grass
309	WL-FOL-2167	Shrub Swamp	0.048	0.048	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Red Maple H: Red Raspberry
310	WL-FOL-2433	Treed Fen-Marsh-Swamp Complex	0.180	0.603	Throughflow	Terrene	Basin	A1	A1,A2,A3	Yes	Yes - Is known to support American eel	T: None S: Speckled Alder H: Common Woolly Bulrush
311	WL-FOL-2434	Shrub Bog-Swamp Complex	0.239	0.573	Throughflow	Terrene	Terrace	A1,A4	A2,A3,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Black Spruce H: Cinnamon Fern
312	WL-FOL-2435	-	0.105	0.506	-	-	-	-	-	-	-	-
313	WL-FOL-2436	-	0.218	0.387	-	-	-	-	-	-	-	-
314	WL-FOL-2439	Shrub Bog-Swamp-Marsh Complex	0.187	0.245	Throughflow	Terrene	Flat	A1,A4	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: None S: Black Spruce H: Canada Manna Grass
315	WL-FOL-2440	-	0.072	0.135	-	-	-	-	-	-	-	-
316	WL-FOL-2443	Treed Swamp	0.006	0.101	Throughflow	Terrene	Basin	A1,A4	A3,A2,C1	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Balsam Fir H: None
317	WL-FOL-2445	-	0.006	0.117	-	-	-	-	-	-	-	-
318	WL-FOL-2446	-	0.104	0.152	-	-	-	-	-	-	-	-
319	WL-FOL-2447	-	0.038	0.038	-	-	-	-	-	-	-	-
320	WL-FOL-2448	-	0.035	0.046	-	-	-	-	-	-	-	-
321	WL-FOL-2450	Shrub Swamp	0.089	0.105	Throughflow	Terrene	Terrace	A1	A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: White Meadowsweet H: Canada Manna Grass
322	WL-FOL-2453	Treed Swamp	0.034	0.069	Throughflow	Terrene	Hillslope	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Red Spruce H: Bristly Dewberry
323	WL-FOL-2481	Shrub Fen-Swamp Complex	0.446	3.681	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Speckled Alder H: Cinnamon Fern
324	WL-FOL-2482	Shrub Fen-Marsh Complex	0.301	2.633	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: None S: Speckled Alder H: Bog Aster

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325	WL-FOL-2483	Shrub Fen-Swamp Complex	0.217	2.113	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: None S: Sweet Gale H: Bluejoint Reed Grass
326	WL-FOL-2484	Shrub Fen-Marsh Complex	0.351	0.420	Outflow	Terrene	Basin	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Black Spruce H: Slender Manna Grass
327	WL-FOL-2485	Shrub Swamp	0.448	0.906	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Red Raspberry H: Slender Manna Grass
328	WL-FOL-2487	Treed Fen	0.171	1.087	Throughflow	Terrene	Terrace	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Balsam Fir H: Bunchberry
329	WL-FOL-2488	Shrub Fen-Swamp Complex	0.283	1.212	Throughflow	Terrene	Basin	A1	A1,A3,A2	No	No - Is known or likely to be fishless	T: Yellow Birch S: Speckled Alder H: Bluejoint Reed Grass
330	WL-FOL-2489	Shrub Fen	0.570	1.349	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Mountain Holly H: Eastern Marsh Fern (*Thelypteris palustris*)
331	WL-FOL-2490	Shrub Fen-Swamp Complex	0.222	0.610	Throughflow	Terrene	Fringe	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Balsam Fir S: Bristly Blackberry (*Rubus setosus*) H: Bunchberry
332	WL-FOL-2492	Treed Fen	0.269	1.041	Throughflow	Terrene	Terrace	A1,A4	A1,A2,A3,C1	No	No - Is known or likely to be fishless	T: Red Spruce S: Black Spruce H: Bluejoint Reed Grass
333	WL-FOL-2494	Treed Fen-Swamp Complex	0.280	0.496	Throughflow	Terrene	Basin	A1	A1,A2,A3,C1	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Speckled Alder H: Sensitive Fern
334	WL-FOL-2495	Shrub Fen	0.212	0.223	Throughflow	Lotic	Peatland	A1	A1,A2,A3,B1,B13	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Northern Long Sedge (*Carex folliculata*)
335	WL-FOL-2497	Shrub Fen-Swamp Complex	0.200	0.216	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Speckled Alder H: Bluejoint Reed Grass
336	WL-FOL-2501	Shrub Swamp	0.256	0.390	Throughflow	Terrene	Terrace	A2	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Red Spruce S: Red Spruce H: Bristly Dewberry
337	WL-FOL-2503A	Shrub Swamp	0.027	0.044	Throughflow	Terrene	Flat	A1	A2,A3,A1	No	No - Is known or likely to be fishless	T: None S: Balsam Fir H: Cinnamon Fern
338	WL-FOL-2513	Treed Fen-Swamp Complex	0.011	0.052	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Bog Aster
339	WL-FOL-2521	Treed Fen	0.112	3.684	Throughflow	Terrene	Terrace	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Rough Cottongrass (*Eriophorum tenellum*)
340	WL-FOL-2522	Shrub Fen	0.859	5.235	Throughflow	Terrene	Terrace	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Sheep Laurel H: Cinnamon Fern
341	WL-FOL-5000	Treed Swamp	0.126	0.123	Throughflow	Terrene	Basin	A1	A1,A2,A3	WESP-AC not completed	-	T: Yellow Birch S: Yellow Birch H: Cinnamon Fern
342	WL-FOL-5001	-	0.073	0.004	Throughflow	Terrene	Basin	A11	A1,A2,A3	WESP-AC not completed	-	Extensive windthrow preventing delineation
343	WL-FRE-033	Treed Swamp	0.012	0.012	Inflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: White Spruce S: Yellow Birch H: Hairy Flat-top White Aster
344	WL-FRE-033A	Shrub Swamp	0.017	0.017	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Fowl Manna Grass

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345	WL-WAL-005	Treed Swamp	0.064	0.064	Throughflow	Terrene	Basin	F21	A1,A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Fowl Manna Grass
346	WL-WAL-008	Treed Swamp	0.046	0.046	Throughflow	Terrene	Terrace	A2	A1,A3,A2	No	No - Is known or likely to be fishless	T: Yellow Birch S: Sugar Maple H: Cinnamon Fern
347	WL-WAL-011	Treed Swamp	0.181	0.186	Throughflow	Terrene	Terrace	A1	A2,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Balsam Fir H: Cinnamon Fern
348	WL-WAL-017	Herbaceous Swamp	0.113	0.224	Throughflow	Terrene	Basin	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: None H: Sensitive Fern
349	WL-WAL-018	Shrub Swamp	0.437	1.458	Outflow	Lotic	Hillslope	A1	A2,A3	No	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Balsam Fir H: Nodding Sedge
350	WL-WAL-023	Shrub Fen-Swamp Complex	0.300	0.649	Throughflow	Terrene	Floodplain	A1	A1,A3	No	No - Is known or likely to be fishless	T: Yellow Birch S: Red Raspberry H: Rough-stemmed Goldenrod
351	WL-WAL-025	Treed Fen	0.380	0.026	Throughflow	Terrene	Peatland	A1	A1,A3	WESP-AC not completed	-	T: Black Spruce S: Yellow Birch H: Cinnamon Fern
352	WL-WAL-027	Treed Swamp	0.265	0.416	Throughflow	Terrene	Terrace	A1	A1,A3	No	No - Is known or likely to be fishless	T: Black Spruce S: Yellow Birch H: Bluejoint Reed Grass
353	WL-WAL-027A	Shrub Swamp	0.004	0.015	Throughflow	Terrene	Basin	F21	A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Fowl Manna Grass
354	WL-WAL-032	Treed Fen	0.127	0.001	Throughflow	Terrene	Basin	A1	A1,A2,A3	WESP-AC not completed	-	T: Yellow Birch S: Balsam Fir H: Slender Manna Grass
355	WL-WAL-034	Shrub Swamp	0.037	0.037	Throughflow	Terrene	Basin	F21	A3	No	Yes - Is known or likely to have fish seasonally	T: None S: Balsam Fir H: Black-girdled Bulrush
356	WL-WAL-037	Treed Swamp	0.544	5.266	Inflow	Terrene	Peatland	A4	A1,A3,A2,C1,C7	Yes	Yes - Is known or likely to have fish seasonally	T: Yellow Birch S: Balsam Fir H: Cinnamon Fern
357	WL-WAL-039	Treed Swamp	0.039	0.479	Throughflow	Terrene	Hillslope	F21	A3,A2,A1,C1	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Rough Sedge (*Carex scabrata*)
358	WL-WAL-040	Shrub Bog	0.017	0.078	Outflow	Terrene	Basin	A1	A2,A3	No	No - Is known or likely to be fishless	T: None S: Leatherleaf H: Large Cranberry (*Vaccinium macrocarpon*)
359	WL-WAL-042	Treed Swamp	0.030	0.176	Inflow	Terrene	Basin	A3	A1,A2,A3,B1,B8, B9,C7	Yes	No - Is known or likely to be fishless	T: Yellow Birch S: Sugar Maple H: Yellow Bluebead Lily (*Clintonia borealis*)
360	WL-WAL-047	Shrub Swamp	0.040	0.040	Inflow	Terrene	Basin	A1	A3	No	No - Is known or likely to be fishless	T: None S: Yellow Birch H: Canada Manna Grass
361	WL-WAL-052	Marsh-Swamp Complex	0.168	0.168	Inflow	Terrene	Basin	A2	A1,A2,A3	No	No - Is known or likely to be fishless	T: None S: Common Winterberry H: Bluejoint Reed Grass
362	WL-WAL-064	Shrub Fen	0.416	7.687	Throughflow	Lentic	Fringe	A1	A1,A2,A3	No	Yes - Is known or likely to have fish seasonally	T: None S: Leatherleaf H: Canada Manna Grass
363	WL-WAL-072	Treed Swamp-Marsh Complex	0.077	1.130	Throughflow	Terrene	Flat	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Balsam Fir S: Yellow Birch H: Fowl Manna Grass

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364	WL-WAL-074	Shrub Swamp	0.182	0.192	Throughflow	Terrene	Flat	A1	A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Bebb's Willow H: Fowl Manna Grass
365	WL-WAL-081	Treed Swamp	0.064	0.533	Throughflow	Terrene	Peatland	A1	A1,A2,A3	No	No - Is known or likely to be fishless	T: Red Spruce S: Red Spruce H: Tawny Cottongrass

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)	Carbon Stock (CS)	Organic Nutrient Export (OE)	Aquatic Primary Productivity (APP)	Anadromous Fish Habitat (FA)	Resident & Other Fish Habitat (FR)	Amphibian & Turtle 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)
WL-CHI-020	2.92	4.00	2.97	1.87	1.16	6.77	5.71	4.51	0.00	0.00	1.74	4.88	5.05	5.61	3.73	4.89	8.15
WL-CHI-022	1.27	9.62	2.73	2.22	2.48	3.87	0.00	6.38	0.00	0.00	1.83	6.56	7.77	6.47	3.41	6.32	8.93
WL-CHI-023	9.42	8.73	0.27	4.37	2.96	7.52	0.00	0.00	0.00	0.00	5.57	0.00	0.00	8.53	1.82	5.53	8.68
WL-CHI-026	0.54	0.00	3.20	1.59	1.28	6.44	0.00	5.31	0.00	0.00	2.20	4.36	5.04	5.84	3.62	2.77	7.44
WL-CHI-029	3.29	5.95	4.26	2.29	2.50	4.63	7.14	6.45	0.00	0.00	6.29	7.52	8.58	7.78	8.23	4.64	8.35
WL-CHI-029A	4.91	3.84	2.54	2.78	2.59	6.40	8.11	5.83	0.00	0.00	3.30	7.34	8.33	6.69	4.49	4.75	8.14
WL-CHI-030	4.30	4.90	3.01	2.55	3.14	5.49	7.65	6.45	0.00	0.00	6.73	6.56	7.42	6.88	4.25	7.49	8.92
WL-CHI-038	10.00	8.73	4.18	6.14	4.25	7.32	0.00	0.00	0.00	0.00	4.57	0.00	0.00	8.68	1.82	10.00	10.00
WL-CHI-041	5.03	3.78	3.67	1.19	2.99	5.66	5.81	7.19	0.00	0.00	3.92	7.33	7.55	6.86	3.74	7.13	8.36
WL-CHI-042	7.50	0.00	10.00	10.00	10.00	7.69	0.00	6.58	0.00	0.00	3.24	7.56	8.62	7.45	3.42	5.96	8.43
WL-CHI-047	-0.51	8.66	0.11	1.75	1.72	4.59	0.00	6.61	0.00	6.89	3.17	6.59	7.01	7.88	10.00	5.56	8.22
WL-CHI-050	2.20	7.90	3.04	1.82	3.72	5.17	0.00	5.81	0.00	0.00	3.05	7.34	8.89	7.14	4.79	6.11	8.19
WL-CHI-055	6.56	4.37	3.98	2.15	3.69	8.02	7.11	0.00	0.00	0.00	4.17	0.00	0.00	7.17	1.82	10.00	10.00
WL-CHI-056	6.67	3.97	4.61	2.08	3.01	6.10	6.48	6.17	0.00	0.00	3.69	5.95	7.21	7.91	4.23	10.00	10.00
WL-CHI-057	1.48	9.97	3.46	2.03	2.83	4.93	0.00	8.03	0.00	0.00	6.40	8.69	8.72	8.94	5.49	10.00	10.00
WL-CHI-058	4.00	5.97	3.42	2.58	3.83	6.07	6.05	6.92	0.00	0.00	6.48	8.34	9.08	8.60	5.26	9.39	9.75
WL-CHI-059	5.27	2.98	3.62	1.37	4.25	5.62	6.93	7.86	0.00	0.00	5.70	9.52	8.41	5.35	8.76	7.32	8.39
WL-CHI-061	1.38	7.75	6.01	2.52	1.88	4.88	0.00	8.03	9.73	7.61	3.28	8.29	8.16	8.10	4.07	7.21	8.86
WL-CHI-061A	6.55	0.94	10.00	10.00	10.00	5.34	4.90	7.49	5.85	5.32	7.01	9.16	9.95	8.06	4.18	8.88	9.36
WL-CHI-063	6.56	4.18	3.64	2.15	2.77	6.94	7.60	0.00	0.00	0.00	3.56	0.00	0.00	7.41	1.82	10.00	9.98
WL-CHI-064	4.02	5.06	2.87	2.04	3.31	4.50	6.48	5.04	0.00	0.00	7.34	7.33	6.91	6.36	7.25	6.30	8.26
WL-CHI-065	6.56	5.22	3.86	3.24	2.23	7.58	9.84	0.00	0.00	0.00	3.63	0.00	0.00	7.59	1.82	10.00	10.00
WL-CHI-067	4.84	5.89	3.43	1.82	3.45	5.65	7.17	5.85	0.00	4.63	0.84	6.45	7.10	6.86	4.67	9.41	9.79
WL-CHI-069	6.24	3.47	3.67	1.60	2.35	6.67	6.59	4.02	0.00	0.00	0.00	5.09	5.75	4.65	4.78	10.00	10.00
WL-CHI-075A	4.60	4.53	0.86	1.82	2.15	6.23	7.35	5.28	0.00	0.00	2.52	6.12	6.55	6.35	4.81	9.46	9.60
WL-CHI-078	5.34	5.28	2.68	2.15	2.85	6.26	7.37	4.28	0.00	0.00	2.63	5.60	5.94	6.52	4.57	8.84	9.23
WL-CHI-080	1.43	5.72	3.43	2.14	2.82	4.47	0.00	6.90	0.00	0.00	5.69	7.85	8.04	6.91	4.93	7.06	8.86
WL-CHI-083	6.56	4.37	4.11	2.15	3.85	7.17	6.64	0.00	0.00	0.00	4.38	0.00	0.00	7.71	1.82	10.00	10.00
WL-CHI-084	5.35	5.15	3.74	1.86	2.78	5.72	7.70	5.60	0.00	0.00	5.18	7.63	8.75	7.27	4.36	6.51	8.29
WL-CHI-084A	5.27	5.24	4.61	0.89	2.28	3.59	6.36	5.77	0.00	0.00	5.17	6.28	7.51	7.52	3.69	10.00	10.00
WL-CHI-084B	2.52	8.47	3.63	1.76	2.61	3.98	0.00	6.08	0.00	0.00	3.65	6.21	7.05	6.67	4.89	8.62	9.67
WL-CHI-084D	2.02	6.76	4.40	2.03	3.26	2.38	0.00	7.08	0.00	10.00	1.68	6.89	8.01	8.18	3.52	7.53	9.38
WL-CHI-085	6.56	4.56	4.05	2.52	3.73	8.31	8.44	0.00	0.00	0.00	3.51	0.00	0.00	6.37	1.82	10.00	10.00
WL-CHI-086	4.16	4.64	3.33	0.82	2.77	5.39	6.79	7.12	0.00	0.00	3.84	7.07	7.45	6.80	4.46	9.07	9.03
WL-CHI-094	4.51	5.21	3.80	2.63	3.49	4.94	6.69	7.45	0.00	0.00	4.83	6.71	7.36	6.26	3.17	6.20	8.38
WL-CHI-096	6.17	4.15	2.26	2.57	2.53	6.69	6.38	5.03	0.00	0.00	0.34	6.01	6.31	6.64	4.62	10.00	10.00
WL-CHI-097	4.86	5.17	4.37	2.48	2.60	5.53	7.30	6.49	0.00	0.00	2.78	6.50	6.93	6.44	3.32	9.09	9.79
WL-CHI-097A	5.24	4.11	3.34	1.74	3.18	5.47	5.91	7.10	0.00	0.00	4.05	7.45	6.88	7.11	2.49	8.82	9.48
WL-CHI-099	3.19	8.29	4.61	1.58	3.46	5.24	0.00	6.11	0.00	0.00	3.03	6.88	8.06	7.35	5.03	10.00	10.00
WL-CHI-101	5.03	4.98	4.12	1.51	3.83	5.48	7.06	6.44	0.00	5.10	0.78	6.93	8.13	6.68	4.70	9.49	9.95
WL-CHI-104	1.12	7.82	3.06	1.90	3.13	2.21	0.00	7.29	8.39	8.50	4.92	6.79	8.11	7.11	2.88	8.16	9.57
WL-CHI-107	4.62	4.18	4.28	3.29	2.93	6.06	7.11	0.00	0.00	0.00	3.65	0.00	0.00	6.62	1.82	10.00	10.00
WL-CHI-109	8.65	5.70	0.99	3.42	4.06	7.89	8.07	0.00	0.00	0.00	3.55	0.00	0.00	6.88	1.82	6.16	8.92
WL-CHI-110	5.78	5.14	4.92	3.38	3.25	6.96	8.30	4.99	8.16	4.59	0.52	6.74	7.30	6.16	4.61	10.00	10.00
WL-CHI-111	4.62	4.18	3.23	3.29	3.24	8.01	8.37	0.00	0.00	0.00	4.56	0.00	0.00	7.85	1.82	9.79	10.00
WL-CHI-113	2.50	9.38	4.37	0.98	3.19	5.35	0.00	6.18	0.00	0.00	3.14	6.51	7.39	7.54	5.03	10.00	10.00
WL-CHI-118	2.32	7.97	4.02	1.36	2.65	5.26	0.00	6.48	0.00	0.00	3.67	7.35	7.02	6.59	5.46	8.06	8.80
WL-CHI-118A	3.83	5.18	2.77	2.60	3.62	4.50	7.13	6.11	0.00	0.00	4.83	6.52	7.74	6.89	3.47	9.06	10.00
WL-CHI-120	4.37	4.91	2.74	1.41	3.94	4.95	6.21	5.62	0.00	0.00	6.93	6.26	7.41	6.66	3.82	8.87	8.89
WL-CHI-120A	4.81	3.88	2.65	1.71	3.89	5.08	4.88	6.38	0.00	0.00	6.88	7.70	9.17	7.49	4.25	4.72	7.85
WL-CHI-122	6.56	4.37	0.02	2.88	3.31	8.40	7.84	0.00	0.00	0.00	3.94	0.00	0.00	6.81	1.82	5.44	8.64
WL-CHI-122A	1.10	9.62	2.37	2.01	2.10	3.98	0.00	6.37	0.00	0.00	3.97	6.55	7.77	6.52	3.41	6.58	9.13
WL-CHI-122B	3.69	3.92	4.61	2.54	2.40	6.35	6.63	5.87	0.00	0.00	2.54	6.30	6.74	6.84	3.97	7.17	8.80
WL-CHI-124	1.98	6.71	4.12	1.95	3.21	2.09	0.00	7.11	10.00	9.92	7.25	7.82	8.74	9.05	3.86	8.25	9.65
WL-CHI-128A	5.38	0.00	10.00	10.00	10.00	6.52	0.00	5.70	0.00	0.00	3.40	6.32	7.31	6.69	4.21	7.70	9.43
WL-CHI-132	5.98	4.97	4.14	2.11	3.30	6.26	8.47	4.27	0.00	0.00	0.41	6.08	6.38	6.47	4.99	9.54	9.95
WL-CHI-133	4.74	5.11	3.52	1.87	3.59	4.27	7.09	6.89	0.00	0.00	4.92	8.19	8.80	7.28	4.07	6.80	8.59
WL-CHI-134	5.46	4.98	4.96	2.16	4.14	4.84	6.98	6.12	0.00	0.00	5.00	7.94	9.35	8.48	3.34	7.66	9.29
WL-CHI-134A	3.69	5.45	2.06	2.42	3.29	4.56	7.18	5.93	0.00	0.00	3.82	5.87	7.09	6.95	3.46	9.04	9.89
WL-CHI-135	1.80	7.95	3.15	2.03	4.05	5.29	0.00	6.58	0.00	0.00	4.09	6.77	7.80	6.63	4.50	8.01	9.39
WL-CHI-139	4.04	5.01	2.64	2.04	2.44	4.10	7.12	7.17	0.00	7.77	7.86	8.32	8.83	8.53	3.87	5.58	8.44
WL-CHI-141	8.65	4.56	1.01	4.50	2.94	7.05	8.02	0.00	0.00	0.00	2.67	0.00	0.00	7.14	1.82	6.81	9.28
WL-CHI-141A	9.23	5.22	3.18	3.66	4.33	6.77	7.36	0.00	0.00	0.00	2.62	0.00	0.00	7.56	1.82	9.95	10.00
WL-CHI-141C	-0.12	8.59	3.20	1.89	2.26	5.15	0.00	5.85	0.00	5.58	0.18	5.49	6.32	6.53	4.46	5.12	7.96
WL-CHI-144	4.98	4.92	4.09	2.18	2.62	4.68	7.27	5.94	0.00	0.00	0.50	6.92	8.28	6.76	5.09	6.12	8.49
WL-CHI-145	5.19	5.19	2.38	1.96	3.53	4.24	6.94	5.67	0.00	0.00	0.75	6.30	6.58	6.92	3.96	8.01	9.06
WL-CHI-146	5.22	4.96	4.37	2.20	3.51	5.54	7.10	6.17	0.00	0.00	0.91	6.59	7.37	7.33	4.68	9.03	9.77
WL-CHI-149	5.03	5.14	3.92	1.43	3.27	4.37	6.30	5.67	0.00	0.00	3.53	6.77	7.31	6.77	3.68	7.61	8.57
WL-CHI-152	1.43	8.86	3.09	1.68	3.77	4.31	0.00	6.71	0.00	0.00	5.18	6.83	7.87	7.35	4.51	8.27	9.48
WL-CHI-155	9.23	5.16	2.01	3.30	4.28	6.63	7.05	0.00	0.00	0.00	3.90	0.00	0.00	7.07	1.82	8.42	9.65
WL-CHI-158	4.45	5.92	6.25	1.95	4.32	5.09	6.30	6.47	0.00	0.00	3.56	8.18	8.03	7.13	7.61	7.88	8.84
WL-CHI-159	3.97	5.21	4.61	2.64	2.40	4.45	7.39	6.84	0.00	0.00	3.61	6.68	7.69	6.59	2.91	7.41	9.48
WL-CHI-159A	6.56	4.15	0.00	3.96	2.85	5.70	7.85	0.00	0.00	0.00	2.99	0.00	0.00	7.24	1.82	3.76	8.22
WL-CHI-159B	4.04	5.50	4.61	2.24	3.36	4.27	7.25	6.71	0.00	0.00	1.32	6.98	7.41	6.28	2.11	6.67	8.62
WL-CHI-162	7.10	6.65	3.10	3.42	4.27	6.77	7.36	0.00	0.00	0.00	4.16	0.00	0.00	7.82	1.82	10.00	10.00
WL-CHI-170	4.34	4.99	3.58	2.01	2.87	4.20	7.47	7.58	0.00	0.00	3.26	8.17	8.12	6.88	6.57	8.43	9.60
WL-CHI-180	4.80	5.02	6.25	2.44	2.82	5.73	8.07	6.55	0.00	0.00	5.13	6.53	8.79	7.66	3.74	7.73	9.08
WL-CHI-191	3.88	5.43	2.53	2.50	2.63	5.61	7.98	6.60	0.00	0.00	3.74	6.58	7.46	6.73	5.30	8.24	9.42
WL-CHI-191A	5.67	3.84	3.45	2.08	3.54	4.46	7.23	6.46	0.00	0.00	4.99	8.38	8.89	7.46	7.84	6.48	8.63
WL-CHI-213	3.08	5.06	3.15	3.24	3.72	6.72	7.54	0.00	0.00	0.00	1.58	0.00	0.00	6.21	1.82	8.04	10.00
WL-CHI-233	4.03	5.32	2.82	1.17	4.14	3.99	6.13	6.66	0.00	0.00	3.07	6.90	7.34	4.93	4.16	6.45	7.91
WL-CHI-234	1.42	7.49	2.06	1.79	3.01	5.52	0.00	6.64	0.00	0.00	3.30	7.83	8.25	5.95	4.26	4.79	7.32
WL-CHI-235	4.60	4.68	3.94	2.21	4.02	5.95	8.23	6.29	0.00	0.00	5.68	8.35	7.87	5.24	8.29	7.20	8.25
WL-CHI-236	4.01	5.28	3.27	1.88	3.23	5.58	7.96	6.60	0.00	0.00	2.46	6.96	7.31	5.66	4.16	5.26	7.46
WL-DEB-009	6.55	0.00	10.00	10.00	10.00	7.97	0.00	6.28	0.00	0.00	6.28	7.44	8.90	7.52	4.93	7.08	8.95
WL-DEB-021	5.78	1.03	10.00	10.00	10.00	8.73	7.02	0.00	0.00	0.00	5.13	0.00	0.00	8.65	1.82	5.53	7.95
WL-DEB-022	2.67	5.35	1.43	2.30	2.64	6.12	7.71	5.52	0.00	0.00	6.18	6.34	6.53	7.02	4.82	7.40	9.13
WL-DEB-022A	6.97	0.00	6.72	10.00	10.00	6.03	0.00	7.46	0.00	0.00	4.29	7.60	8.52	7.30	3.17	6.72	8.32
WL-DEB-024	6.17	4.27	0.19	4.15	3.15	8.05	7.51	0.00	0.00	0.00	5.12	0.00	0.00	7.91	1.82	5.09	8.40
WL-DEB-031	5.76	3.65	2.55	1.79	3.76	6.93	7.84	4.18	0.00	0.00	3.95	5.84	7.05	6.35	1.82	3.03	7.07
WL-DEB-036	0.05	8.10	1.78	2.74	2.11	5.64	0.00	5.30	0.00	0.00	4.60	5.76	6.65	7.52	4.43	6.46	8.83
WL-DEB-037	-0.99	0.00	0.00	0.38	1.26	3.08	0.00	5.84	0.00	0.00	2.45	5.60	5.33	4.61	2.27	4.23	7.91
WL-DEB-038	1.22	8.46	1.97	1.92	2.13	4.07	0.00	5.81	0.00	0.00	1.17	5.59	7.30	6.38	3.93	8.36	9.34
WL-DEB-038A	0.79	8.86	1.58	1.32	2.26	3.75	0.00	7.11	0.00	0.00	4.77	6.17	8.01	7.74	3.01	9.02	9.33
WL-DEB-041	3.84	5.32	1.91	2.49	2.02	4.69	6.62	6.05	0.00	0.00	6.58	5.81	7.16	7.63	3.46	7.60	9.05
WL-DEB-043	6.06	0.00	10.00	10.00	10.00	6.28	0.00	7.36	0.00	0.00	5.79	6.72	8.42	6.44	3.61	8.70	9.70
WL-DEB-044	4.89	3.92	2.90	3.23	2.51	6.01	7.07	6.41	0.00	0.00	4.17	6.63	7.90	7.23	4.42	7.79	9.00
WL-DEB-046	5.53	0.00	10.00	10.00	10.00	6.87	0.00	5.53	0.00	0.00	3.51	7.81	8.54	6.32	2.68	4.78	7.71
WL-DEB-047	3.79	4.38	2.12	2.33	2.97	3.87	5.69	5.00	0.00	0.00	6.36	5.81	6.74	7.43	3.23	8.05	9.20
WL-DEB-055	7.14	0.00	10.00	10.00	10.00	8.09	0.00	5.33	0.00	0.00	6.18	6.48	7.31	6.09	4.88	9.69	9.80
WL-DEB-055A	4.89	4.15	3.21	2.73	3.78	5.04	6.45	6.10	0.00	0.00	6.69	6.74	7.73	7.09	3.71	7.83	9.19
WL-DEB-055C	5.52	0.00	10.00	10.00	10.00	7.11	0.00	5.48	0.00	0.00	6.22	5.81	7.19	7.88	2.39	8.04	9.34
WL-DEB-055D	7.14	0.00	10.00	10.00	10.00	6.98	0.00	6.22	0.00	0.00	6.89	6.70	7.80	7.41	2.44	9.82	9.80
WL-DEB-060	3.01	4.80	6.01	2.28	3.24	5.88	7.54	5.56	0.00	0.00	6.50	7.64	7.27	7.88	8.28	7.12	8.89
WL-DEB-063A	9.42	0.00	10.00	10.00	10.00	8.88	0.00	0.00	0.00	0.00	5.41	0.00	0.00	8.05	1.82	5.55	8.51
WL-DEB-067	10.00	8.73	1.62	5.42	4.25	7.53	0.00	0.00	0.00	0.00	5.62	0.00	0.00	8.62	1.82	7.60	9.55
WL-DEB-067A	4.93	4.37	3.35	2.55	3.51	4.77	6.27	6.09	0.00	0.00	7.01	6.12	7.53	7.86	3.68	7.37	8.85
WL-DEB-073	5.74	4.89	4.15	2.38	3.25	6.81	8.49	5.25	0.00	0.00	3.17	7.61	8.76	6.50	4.25	6.08	7.95
WL-DEB-076	5.40	4.15	0.00	2.87	3.07	8.12	6.26	0.00	0.00	0.00	2.14	0.00	0.00	6.73	1.82	4.82	7.99
WL-DEB-078	1.47	9.85	3.53	2.68	2.67	5.10	0.00	7.42	0.00	0.00	1.77	8.19	9.23	7.27	3.56	5.16	8.39

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)	Carbon Stock (CS)	Organic Nutrient Export (OE)	Aquatic Primary Productivity (APP)	Anadromous Fish Habitat (FA)	Resident & Other Fish Habitat (FR)	Amphibian & Turtle 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)
WL-DEB-079	5.40	5.70	0.00	2.38	2.25	7.80	7.51	0.00	0.00	0.00	4.79	0.00	0.00	7.91	1.82	5.26	8.15
WL-DEB-082	6.21	0.00	10.00	10.00	10.00	6.53	0.00	6.31	0.00	0.00	1.21	5.66	7.54	5.11	1.82	3.20	7.71
WL-DEB-083	3.94	5.04	2.26	1.73	2.95	5.60	7.28	6.09	0.00	0.00	1.08	7.60	8.66	6.83	4.50	5.00	8.11
WL-DEB-085	5.40	5.22	0.00	3.10	2.76	7.62	8.76	0.00	0.00	0.00	4.39	0.00	0.00	7.86	1.82	5.13	8.12
WL-DEB-086	5.83	3.66	3.77	2.86	3.04	6.20	6.12	6.41	0.00	0.00	1.03	8.29	9.43	7.03	3.90	6.06	8.68
WL-DEB-089A	2.98	0.00	4.29	2.15	2.36	5.16	0.00	6.32	0.00	0.00	1.11	7.98	9.24	7.21	1.82	7.89	9.75
WL-DEB-091	5.15	4.96	3.93	1.60	2.79	4.15	6.15	6.81	0.00	0.00	3.79	6.84	7.37	7.72	3.75	9.31	9.28
WL-DEB-092	3.42	6.17	7.19	3.02	1.95	5.57	6.60	7.39	0.00	5.59	3.59	7.48	7.95	7.17	4.24	7.34	9.04
WL-DEB-093	4.62	4.18	0.00	1.79	3.07	8.31	7.53	0.00	0.00	0.00	3.76	0.00	0.00	7.47	1.82	4.43	7.91
WL-DEB-095	1.16	9.83	3.01	1.83	2.87	3.70	0.00	7.09	0.00	0.00	1.54	7.30	8.36	6.85	1.82	5.77	8.28
WL-DEB-098	1.89	5.78	2.26	1.11	0.85	4.91	6.70	5.29	0.00	0.00	3.67	4.89	5.73	7.24	3.94	6.00	8.05
WL-DEB-102	2.01	7.03	1.97	0.59	0.97	4.49	0.00	5.12	0.00	0.00	3.66	6.08	6.79	6.75	4.00	9.03	9.57
WL-DEB-109A	5.24	0.00	6.25	10.00	10.00	6.97	0.00	4.26	0.00	0.00	5.73	6.10	6.65	6.93	4.23	6.50	8.09
WL-DEB-112	-0.20	8.35	3.20	1.72	1.57	4.31	0.00	5.86	0.00	0.00	4.22	5.89	6.41	7.22	4.46	5.39	7.50
WL-DEB-116	2.28	5.46	0.60	1.64	2.41	4.74	6.65	5.93	0.00	0.00	0.86	5.68	6.62	5.38	2.07	5.64	7.89
WL-DEB-119	-0.23	0.00	0.45	0.32	1.98	2.68	0.00	6.85	0.00	0.00	0.68	7.26	7.03	5.00	3.30	4.94	7.65
WL-DEB-121	6.50	4.11	5.35	2.88	4.38	4.88	6.34	5.98	0.00	0.00	0.95	6.65	8.07	6.49	4.36	8.74	9.28
WL-DEB-124	2.75	6.34	3.82	0.75	4.17	1.87	0.00	6.79	0.00	0.00	1.71	8.33	9.75	7.33	2.76	8.48	9.34
WL-DEB-129	0.09	7.66	0.96	1.59	1.63	4.38	0.00	6.24	0.00	5.99	4.79	6.60	6.01	4.32	3.27	4.56	6.98
WL-DEB-135	3.25	0.00	3.82	0.36	2.81	0.38	0.00	5.75	0.00	0.00	1.38	7.58	8.66	6.83	2.81	7.79	9.51
WL-DEB-136	6.17	4.18	0.42	3.72	3.45	6.92	7.66	0.00	0.00	0.00	3.80	0.00	0.00	5.93	1.82	3.13	7.42
WL-DEB-141	2.72	5.20	3.67	2.80	1.84	5.46	7.15	6.17	0.00	0.00	0.86	6.30	6.39	7.01	4.82	4.80	7.87
WL-DEB-142	5.26	4.11	2.92	1.53	2.97	4.69	5.55	5.99	0.00	0.00	0.82	6.37	6.96	6.45	1.90	8.32	9.20
WL-DEB-144	1.37	8.20	4.61	2.56	2.18	4.76	0.00	8.30	0.00	7.95	2.00	8.69	9.31	9.69	10.00	7.78	8.92
WL-DEB-156	2.14	8.20	3.82	2.22	2.67	4.59	0.00	5.24	0.00	0.00	1.57	5.71	6.31	7.23	4.30	7.11	8.95
WL-DEB-157	3.85	5.62	2.61	2.03	1.93	4.52	6.80	6.10	0.00	0.00	1.00	5.42	6.86	7.05	4.13	6.04	8.07
WL-DEB-160	2.22	5.46	3.20	2.02	2.19	6.15	7.51	6.01	0.00	0.00	3.31	5.95	6.86	6.80	4.12	5.11	7.95
WL-DEB-162	1.28	8.49	2.50	2.07	2.78	3.52	0.00	7.46	0.00	0.00	0.56	6.48	7.16	6.52	4.55	5.84	8.28
WL-DEB-165	2.33	7.63	3.20	1.24	1.24	3.08	0.00	5.92	0.00	0.00	2.76	6.30	7.94	5.99	4.14	4.40	7.85
WL-DEB-166	1.56	7.69	2.70	1.30	2.88	5.48	0.00	6.90	0.00	0.00	2.98	6.29	7.82	6.24	4.17	5.65	8.33
WL-DEB-168	6.11	3.98	4.31	1.16	4.40	4.64	4.77	6.87	0.00	0.00	5.37	7.05	7.60	6.45	3.86	10.00	10.00
WL-DEB-169	4.38	5.95	2.95	2.33	4.25	3.80	6.24	7.07	0.00	0.00	6.50	7.02	6.84	7.70	4.22	10.00	10.00
WL-DEB-170	-0.41	0.00	4.61	1.42	0.18	2.88	0.00	6.26	0.00	0.00	4.39	7.47	7.00	9.15	10.00	5.93	7.86
WL-DEB-180	6.54	0.00	10.00	10.00	10.00	7.62	0.00	7.05	0.00	0.00	3.10	6.26	8.26	6.57	2.71	7.17	8.60
WL-DEB-181	5.09	0.00	6.72	10.00	10.00	6.79	0.00	6.07	0.00	0.00	2.80	5.91	7.51	6.57	4.02	6.57	8.70
WL-DEB-182	-0.06	0.00	0.00	3.37	0.00	5.62	0.00	0.00	0.00	0.00	3.84	0.00	0.00	6.52	1.82	5.64	8.23
WL-DEB-184	6.17	3.66	4.63	3.48	3.35	7.33	7.93	0.00	0.00	0.00	5.57	0.00	0.00	7.72	1.82	10.00	9.93
WL-DEB-186	5.47	5.30	3.53	2.50	3.21	5.85	7.52	5.28	0.00	4.58	3.95	5.92	7.04	7.84	3.42	10.00	10.00
WL-DEB-189	6.35	0.00	6.72	10.00	10.00	6.48	0.00	7.19	0.00	0.00	5.57	6.39	8.33	7.20	4.10	8.01	9.15
WL-DEB-193	6.06	3.99	10.00	10.00	10.00	7.84	7.47	6.76	0.00	0.00	4.72	6.78	8.09	7.47	4.44	9.13	9.76
WL-DEB-196	6.98	0.00	10.00	10.00	10.00	7.56	0.00	7.39	0.00	0.00	3.10	7.76	8.23	6.25	3.16	7.17	8.57
WL-DEB-208	1.05	6.77	1.86	1.09	1.92	2.03	0.00	6.28	0.00	0.00	1.26	5.52	6.82	6.10	3.79	5.55	7.80
WL-DEB-210	-0.04	6.13	0.00	0.79	1.10	4.18	0.00	6.21	0.00	0.00	3.30	5.23	6.71	6.25	2.79	7.75	8.80
WL-DEB-213	2.75	5.33	5.08	2.12	3.20	4.18	6.35	6.14	0.00	0.00	5.11	6.57	7.50	7.38	4.13	6.62	8.62
WL-DEB-214	5.14	5.16	4.12	0.92	5.29	3.47	6.65	7.14	0.00	0.00	7.58	0.00	0.00	8.42	1.82	7.19	9.04
WL-DEB-217	5.61	5.00	3.67	2.25	2.65	4.83	7.38	5.82	7.74	4.42	0.63	6.29	7.63	7.43	3.87	10.00	10.00
WL-DEB-218	0.03	8.61	1.17	2.06	2.56	5.62	0.00	5.49	0.00	0.00	2.97	6.32	6.86	6.50	5.58	7.32	9.09
WL-DEB-219	2.36	5.41	2.92	1.64	3.05	4.66	6.50	5.43	0.00	0.00	2.77	5.24	6.11	6.77	3.95	6.47	8.59
WL-DEB-221	3.75	5.12	4.61	2.13	2.20	4.28	6.06	7.00	0.00	0.00	2.70	5.89	6.60	6.65	4.35	5.17	8.02
WL-DEB-224	4.87	5.07	2.96	2.16	4.09	4.77	6.94	5.89	0.00	0.00	7.29	7.71	9.07	8.18	3.83	7.69	9.09
WL-DEB-228	1.93	8.53	6.01	2.83	2.46	5.82	0.00	7.15	0.00	0.00	5.65	6.71	7.16	7.84	10.00	5.69	8.39
WL-DEB-234	4.04	4.93	4.33	2.03	2.38	4.95	6.02	7.19	0.00	5.55	4.84	6.46	7.02	6.38	4.88	5.98	8.34
WL-DEB-237	1.81	0.00	3.55	1.66	2.20	3.45	0.00	7.11	0.00	0.00	1.68	6.40	7.09	7.05	4.39	9.86	10.00
WL-DEB-238	4.82	6.07	4.04	1.40	4.33	5.76	7.35	6.39	0.00	0.00	3.26	6.57	7.34	6.37	2.62	9.88	9.80
WL-DEB-240	3.79	5.21	2.03	1.97	2.09	4.82	5.75	6.28	0.00	0.00	4.43	5.28	5.96	6.32	4.14	5.30	7.54
WL-DEB-243	3.50	3.84	4.61	2.22	3.00	5.60	5.77	6.47	0.00	0.00	6.75	6.51	7.01	9.42	10.00	6.57	8.51
WL-DEB-247	5.57	0.00	4.61	10.00	10.00	8.05	0.00	5.88	0.00	0.00	5.92	5.66	6.78	7.40	3.77	4.55	8.05
WL-DEB-251	2.49	5.50	3.29	2.31	2.38	5.26	6.21	5.66	0.00	0.00	2.99	5.12	6.18	6.96	4.10	4.90	8.30
WL-DEB-252	3.85	5.34	4.79	1.28	2.83	4.48	5.92	6.86	0.00	0.00	2.63	5.86	6.93	6.88	4.03	6.89	8.80
WL-DEB-253	4.15	4.37	1.21	1.81	2.10	3.46	5.69	6.18	0.00	5.17	5.78	6.30	7.05	6.63	4.41	8.92	9.34
WL-DEB-255	5.78	5.46	0.00	1.91	2.42	7.54	7.36	0.00	0.00	0.00	3.88	0.00	0.00	6.26	1.82	4.64	8.03
WL-DEB-256	2.69	4.92	4.61	2.16	2.43	5.70	7.21	6.22	0.00	0.00	4.00	7.25	7.45	7.54	3.99	6.50	8.68
WL-DEB-262	4.43	5.69	3.19	2.10	2.64	4.31	6.99	6.24	0.00	0.00	5.02	7.75	7.72	6.16	4.17	9.26	9.99
WL-DEB-263	2.94	5.05	4.61	3.01	2.92	6.06	7.67	5.90	0.00	0.00	3.69	7.03	7.12	7.11	4.81	5.31	8.12
WL-DEB-263A	3.38	4.00	2.26	2.24	1.75	6.11	6.05	4.85	0.00	0.00	3.67	6.69	6.71	7.08	3.22	7.18	8.64
WL-DEB-264	4.25	6.19	4.61	2.20	3.36	5.45	7.04	7.05	0.00	4.97	1.07	6.89	7.52	7.35	4.74	8.98	9.49
WL-DEB-265	7.20	0.00	10.00	10.00	10.00	6.09	0.00	7.22	0.00	0.00	1.39	7.45	8.20	7.79	10.00	4.72	7.03
WL-DEB-266	5.32	4.87	4.33	1.99	2.69	4.40	6.14	5.80	0.00	0.00	0.67	6.29	7.31	6.66	3.45	10.00	10.00
WL-DEB-267	2.41	4.97	3.67	1.46	1.11	4.63	6.89	4.37	0.00	0.00	0.04	5.05	6.32	6.60	4.06	5.47	8.35
WL-DEB-268	5.87	4.77	4.37	2.23	4.15	5.91	7.01	7.06	0.00	0.00	5.30	6.75	7.96	7.52	3.18	10.00	10.00
WL-DEB-269	4.52	5.89	3.67	2.14	2.49	5.35	8.48	7.06	0.00	0.00	0.74	6.82	7.03	6.65	4.22	9.67	9.84
WL-DEB-275	4.43	4.87	3.71	2.30	3.13	5.31	7.14	7.13	5.71	4.90	2.92	7.36	7.62	6.63	4.05	7.84	9.27
WL-DEB-276	5.43	0.00	4.61	10.00	10.00	8.34	0.00	4.41	0.00	0.00	5.52	6.60	6.35	6.92	3.72	6.50	8.51
WL-DEB-276A	3.69	3.97	4.61	2.48	2.34	6.11	6.49	5.77	0.00	0.00	5.90	7.20	6.82	7.12	3.97	6.71	8.41
WL-DEB-276B	6.56	4.37	0.11	4.40	3.18	7.94	7.44	0.00	0.00	0.00	4.66	0.00	0.00	7.37	1.82	4.84	8.10
WL-DEB-276C	7.87	0.00	10.00	10.00	10.00	10.00	0.00	0.00	0.00	0.00	5.12	0.00	0.00	7.54	1.82	4.77	8.28
WL-DEB-276D	5.78	4.18	0.00	2.35	2.21	7.99	7.09	0.00	0.00	0.00	4.12	0.00	0.00	7.37	1.82	4.43	8.16
WL-DEB-276E	4.62	0.00	10.00	10.00	10.00	9.72	0.00	0.00	0.00	0.00	4.45	0.00	0.00	7.33	1.82	2.96	7.51
WL-DEB-276F	6.56	4.18	0.02	3.31	2.83	7.77	7.47	0.00	0.00	0.00	2.51	0.00	0.00	6.05	1.82	4.04	8.03
WL-DEB-277	5.32	2.99	4.61	0.59	2.42	3.40	6.29	4.94	0.00	0.00	5.74	6.30	6.44	7.56	4.51	10.00	10.00
WL-DEB-286	1.57	0.00	3.80	2.95	3.03	4.84	0.00	6.99	0.00	0.00	3.48	8.78	9.74	7.17	4.97	7.18	8.68
WL-DEB-287	6.97	0.00	10.00	10.00	10.00	7.94	0.00	5.89	0.00	0.00	4.25	7.88	9.17	7.75	4.22	5.83	8.46
WL-DEB-288	5.40	5.22	1.25	2.23	2.50	5.80	8.12	0.00	0.00	0.00	2.26	0.00	0.00	6.42	1.82	4.90	8.47
WL-DEB-291	3.78	6.37	5.08	2.67	3.36	5.00	7.18	7.32	0.00	7.51	1.67	7.81	9.16	7.60	3.16	5.78	8.69
WL-DEB-292	8.80	0.00	10.00	10.00	10.00	8.11	0.00	5.10	0.00	0.00	1.19	8.05	9.52	6.67	4.06	10.00	10.00
WL-DEB-293	1.20	8.48	2.27	1.94	2.71	4.84	0.00	5.15	0.00	0.00	1.62	5.86	6.88	5.06	2.75	5.27	7.87
WL-DEB-295	3.85	4.79	4.39	3.24	3.71	8.36	8.60	0.00	0.00	0.00	5.95	0.00	0.00	8.12	1.82	10.00	10.00
WL-DEB-296	4.62	6.39	4.50	3.72	4.20	7.58	9.47	0.00	0.00	0.00	6.08	0.00	0.00	8.18	1.82	10.00	10.00
WL-DEB-297	5.90	3.97	4.14	2.85	3.07	5.70	6.87	6.70	0.00	0.00	0.05	7.02	7.17	6.59	3.33	9.01	9.41
WL-DEB-298A	6.28	4.04	2.38	2.84	2.76	5.64	6.83	5.89	0.00	0.00	6.74	6.24	6.11	7.98	3.28	9.79	9.76
WL-DEB-299	5.48	5.02	3.55	0.74	2.24	4.40	7.69	4.78	0.00	0.00	4.59	5.39	5.38	7.62	4.78	10.00	10.00
WL-DEB-300	4.90	4.56	4.07	2.12	3.72	5.71	6.88	7.65	0.00	0.00	1.10	7.05	8.77	6.99	2.52	7.92	9.56
WL-DEB-303A	6.58	4.09	4.61	2.99	3.08	6.45	7.36	5.62	0.00	0.00	5.91	6.21	6.82	7.71	3.27	10.00	10.00
WL-DEB-305	4.78	5.74	4.33	0.15	2.80	3.80	5.91	5.93	0.00	0.00	4.74	5.87	6.53	7.67	3.70	9.40	9.94
WL-DEB-306	3.68	4.02	2.83	1.50	3.45	2.78	6.48	6.70	0.00	0.00	3.18	6.95	7.44	4.55	1.98	4.03	7.18
WL-DEB-308A	5.16	5.94	4.09	0.74	2.64	4.51	7.14	4.42	0.00	0.00	4.88	5.21	5.54	8.02	3.37	10.00	10.00
WL-DEB-309	5.42	5.66	4.33	0.92	3.43	4.94	7.47	4.25	0.00	0.00	4.01	5.41	6.30	7.40	4.05	10.00	10.00
WL-DEB-314	5.01	6.65	4.42	4.40	3.34	7.57	9.46	0.00	0.00	0.00	4.66	0.00	0.00	7.37	1.82	10.00	10.00
WL-DEB-315	3.61	3.40	3.28	3.37	3.52	6.16	8.39	6.98	0.00	0.00	6.02	6.65	7.67	6.47	4.21	8.46	9.67
WL-DEB-318	1.80	8.20	3.33	1.80	3.34	3.96	0.00	6.49	0.00	0.00	6.16	7.41	7.71	6.21	4.22	8.23	9.44
WL-DEB-319	1.28	7.87	2.89	2.31	2.97	5.14	0.00	7.23	0.00	0.00	1.61	6.96	8.29	6.33	4.26	5.10	7.90
WL-DEB-323	5.78	5.70	3.60	2.35	2.79	7.85	8.42	0.00	0.00	0.00	3.77	0.00	0.00	6.34	1.82	9.97	9.99
WL-DEB-324	5.14	5.19	4.61	1.68	2.72	6.37	9.33	3.86	0.00	2.90	2.46	5.59	5.94	6.50	4.72	10.00	10.00
WL-DEB-325	5.43	0.00	10.00	10.00	10.00	7.44	0.00	2.80	0.00	0.00	1.27	4.83	5.40	4.69	2.62	3.68	7.34
WL-DEB-326	5.46	5.00	3.43	1.85	2.31	4.85	6.82	5.26	0.00	0.00	5.60	5.51	5.11	7.60	4.63	10.00	10.00
WL-DEB-327	5.46	5.26	4.61	2.37	3.93	5.85	7.52	6.02	0.00	4.20	5.17	6.45	7.08	7.31	3.98	10.00	10.00
WL-DEB-328	-0.31	6.41	0.50	1.67	2.95	6.27	0.00	4.46	0.00	0.00	1.34	5.66	6.31	4.91	3.41	3.87	7.43
WL-DEB-329	6.56	8.73	3.77	2.95	2.63	7.26	0.00	0.00	0.00	0.00	4.49	0.00	0.00	7.28	1.82	10.00	10.00
WL-DEB-331	3.85	4.95	3.03	2.48	3.26	5.37	7.89	6.24	0.00	0.00	1.48	6.85	7.97	6.57	4.55	4.98	8.01
WL-DEB-333	5.39	4.80	3.20	1.89	3.35	6.13	6.06	6.26	0.00	0.00	3.63	6.63	7.12	7.59	5.21	9.80	9.86
WL-DEB-334	1.80	6.60	3.53	1.45	4.24	2.91	0.00	6.05	0.00	8.02	2.08	7.36	8.50	8.16	10.00	10.00	9.90
WL-DEB-335	4.91	5.95	4.07	1.88	4.58	5.26	7.81	6.80	0.00	5.17	0.87	6.84	7.06	6.42	3.75	8.98	9.42

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)	Carbon Stock (CS)	Organic Nutrient Export (OE)	Aquatic Primary Productivity (APP)	Anadromous Fish Habitat (FA)	Resident & Other Fish Habitat (FR)	Amphibian & Turtle 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)
WL-DEB-337	2.47	8.23	3.60	1.33	2.35	4.77	0.00	6.67	0.00	0.00	3.90	7.42	7.76	7.84	4.78	9.12	9.71
WL-DEB-339	4.34	4.49	4.61	2.31	2.20	4.78	5.04	7.05	0.00	0.00	1.31	6.34	7.71	7.17	4.04	7.25	8.72
WL-DEB-340	4.35	4.87	4.37	2.95	2.84	6.57	7.68	5.94	0.00	0.00	5.43	6.58	6.88	6.16	5.37	6.47	7.94
WL-DEB-341	6.71	0.00	10.00	10.00	10.00	9.76	0.00	0.00	0.00	0.00	3.81	0.00	0.00	6.87	1.82	4.76	7.98
WL-DEB-343	5.40	5.22	0.00	2.03	3.03	6.50	7.75	0.00	0.00	0.00	3.65	0.00	0.00	6.78	1.82	4.34	7.89
WL-DEB-343A	6.43	0.00	6.72	10.00	10.00	7.43	0.00	6.91	0.00	0.00	5.46	7.07	8.18	7.00	3.86	8.24	9.25
WL-DEB-344	4.35	4.80	3.67	2.71	2.23	5.92	7.57	7.20	0.00	0.00	5.79	2.71	7.38	7.59	6.67	4.18	5.09	7.41
WL-DEB-344A	6.67	0.00	10.00	10.00	10.00	6.30	0.00	7.32	0.00	4.69	3.89	7.89	7.81	6.36	3.99	5.40	7.73
WL-DEB-345	5.62	0.00	6.48	10.00	10.00	7.75	0.00	6.25	0.00	0.00	5.80	5.99	7.06	7.84	3.82	8.47	9.62
WL-DEB-346	3.01	5.00	5.08	2.59	1.83	5.65	7.38	5.79	0.00	0.00	4.04	7.19	7.05	7.47	3.97	7.38	8.90
WL-DEB-349	7.87	0.00	10.00	10.00	10.00	9.83	0.00	0.00	0.00	0.00	4.48	0.00	0.00	6.87	1.82	5.16	8.43
WL-DEB-350	4.62	4.15	0.00	2.62	2.50	7.07	5.76	0.00	0.00	0.00	3.85	0.00	0.00	6.31	1.82	4.14	7.85
WL-DEB-351	6.56	1.04	10.00	10.00	10.00	9.09	6.10	0.00	0.00	0.00	3.25	0.00	0.00	7.43	1.82	4.36	7.93
WL-DEB-352	3.88	5.14	6.48	2.79	3.06	5.52	7.29	6.31	0.00	5.66	7.04	6.02	7.31	8.54	4.17	9.24	9.65
WL-DEB-353	5.40	5.34	0.00	2.83	2.50	7.91	8.96	0.00	0.00	0.00	4.32	0.00	0.00	6.32	1.82	3.72	7.64
WL-DEB-354	1.03	9.32	3.33	2.76	2.08	4.33	0.00	8.75	7.07	5.14	5.67	5.15	6.98	7.51	2.86	8.95	8.41
WL-DEB-355	1.49	8.72	2.62	1.31	3.57	4.15	0.00	7.46	0.00	5.19	6.17	6.92	6.81	7.86	4.74	8.81	9.51
WL-DEB-356	5.33	0.00	5.78	10.00	10.00	6.55	0.00	6.16	0.00	0.00	5.20	6.40	7.56	7.06	3.82	7.07	8.57
WL-DEB-357	4.86	0.00	10.00	10.00	10.00	6.60	0.00	5.41	0.00	0.00	0.82	5.21	6.71	6.38	2.39	7.94	9.25
WL-DEB-358	5.11	0.00	10.00	10.00	10.00	6.59	0.00	5.44	0.00	0.00	4.28	6.23	7.11	6.28	3.08	6.09	8.33
WL-DEB-360	1.41	8.83	3.24	1.93	3.97	4.18	0.00	7.09	0.00	5.19	6.99	6.15	8.01	7.78	4.02	9.48	9.71
WL-DEB-362	3.39	4.01	1.58	1.40	3.12	2.72	5.93	6.26	0.00	0.00	6.85	5.59	7.27	7.52	2.37	8.49	9.84
WL-DEB-365	4.11	5.29	3.27	1.60	3.30	5.41	6.50	4.79	0.00	0.00	3.95	5.28	6.80	7.61	3.22	6.51	8.36
WL-DEB-367	3.95	3.52	2.29	2.07	2.83	3.11	5.05	4.35	0.00	0.00	2.26	4.21	4.83	5.57	3.19	6.82	8.53
WL-FOL-004	6.32	0.00	10.00	10.00	10.00	7.11	0.00	0.00	0.00	0.00	3.48	0.00	0.00	6.42	1.82	6.71	8.95
WL-FOL-019	4.47	5.44	3.68	3.00	3.07	5.03	6.65	7.48	0.00	9.82	8.54	9.05	10.00	10.00	10.00	7.61	9.36
WL-FOL-020	5.46	5.40	8.59	3.52	3.91	6.32	8.87	5.50	0.00	0.00	3.12	6.15	6.35	6.51	4.03	8.25	9.55
WL-FOL-027	5.61	3.88	4.99	1.93	4.54	6.13	7.61	5.37	0.00	4.97	3.31	8.29	7.79	6.23	8.79	10.00	9.90
WL-FOL-028	7.33	4.00	4.52	3.96	4.41	6.89	6.83	0.00	0.00	0.00	5.82	0.00	0.00	8.67	1.82	10.00	10.00
WL-FOL-029	4.62	4.11	0.00	1.43	2.61	7.04	5.74	0.00	0.00	0.00	3.77	0.00	0.00	7.64	1.82	3.42	7.51
WL-FOL-034	5.63	4.70	4.47	2.14	3.99	5.01	7.11	6.85	0.00	0.00	1.22	8.14	9.69	7.17	3.83	6.55	8.52
WL-FOL-034A	1.58	9.54	2.89	1.20	3.32	4.02	0.00	7.12	0.00	0.00	7.37	6.74	7.96	8.14	4.25	9.32	9.98
WL-FOL-036	2.50	5.47	2.73	1.70	1.32	6.17	7.31	4.80	0.00	0.00	6.22	6.42	5.97	7.34	4.60	6.01	7.66
WL-FOL-038	0.13	7.45	0.38	1.58	2.85	5.41	0.00	5.13	0.00	0.00	6.72	6.52	6.28	7.38	10.00	2.10	7.15
WL-FOL-046	8.65	7.78	10.00	10.00	10.00	9.81	0.00	0.00	0.00	0.00	4.69	0.00	0.00	6.67	1.82	5.42	8.33
WL-FOL-049	7.49	0.00	10.00	10.00	10.00	9.99	0.00	0.00	0.00	0.00	2.31	0.00	0.00	7.19	1.82	2.24	7.09
WL-FOL-051	5.97	3.66	4.33	1.95	5.02	6.14	6.07	6.45	0.00	0.00	5.31	7.17	8.35	4.94	3.97	8.52	8.88
WL-FOL-054	4.92	1.02	4.61	10.00	10.00	7.38	6.16	5.45	0.00	0.00	4.68	5.59	6.73	6.82	4.47	7.33	9.09
WL-FOL-056	4.17	4.65	3.21	1.32	3.73	4.65	6.68	6.20	0.00	0.00	5.96	0.00	0.00	5.65	1.82	5.02	6.73
WL-FOL-058	5.40	5.14	0.37	2.03	2.73	6.53	6.99	0.00	0.00	0.00	3.75	0.00	0.00	7.21	1.82	5.30	8.16
WL-FOL-062	5.40	4.18	4.44	4.18	2.73	8.18	8.49	0.00	0.00	0.00	4.94	0.00	0.00	7.87	1.82	10.00	9.99
WL-FOL-062A	5.40	4.18	3.86	2.11	3.37	8.22	7.21	0.00	0.00	0.00	4.08	0.00	0.00	7.44	1.82	10.00	9.82
WL-FOL-065	3.85	5.13	4.44	3.91	3.49	8.18	8.49	0.00	0.00	0.00	5.09	0.00	0.00	7.83	1.82	10.00	9.76
WL-FOL-075	1.57	0.00	3.55	1.93	3.87	2.98	0.00	7.79	0.00	0.00	6.40	6.31	7.27	6.96	3.05	7.98	9.11
WL-FOL-075A	7.97	0.00	10.00	10.00	10.00	6.54	0.00	4.92	0.00	0.00	6.68	7.52	8.58	6.47	3.58	6.02	8.32
WL-FOL-076	5.60	5.32	3.67	1.87	2.54	4.68	6.70	5.37	0.00	0.00	5.80	5.90	6.88	7.76	3.94	10.00	10.00
WL-FOL-077	5.67	5.02	4.61	2.05	3.18	5.75	7.45	6.35	0.00	5.66	6.14	7.21	7.30	8.31	4.83	10.00	10.00
WL-FOL-078	2.59	7.97	3.64	2.84	3.00	5.45	0.00	6.26	8.13	9.03	6.71	6.61	7.25	8.18	3.97	7.96	9.19
WL-FOL-079	5.28	4.91	4.61	2.04	3.65	5.88	7.54	6.28	0.00	0.00	6.24	7.32	7.41	8.44	4.83	9.40	9.49
WL-FOL-079A	4.53	5.28	3.78	1.65	4.27	4.57	7.18	6.60	0.00	0.00	6.27	6.89	7.31	6.14	3.46	8.18	8.30
WL-FOL-082	5.40	4.21	4.17	3.48	3.68	7.77	9.09	0.00	0.00	0.00	2.96	0.00	0.00	6.39	1.82	9.67	9.57
WL-FOL-085A	4.89	2.85	3.04	2.43	3.54	5.76	6.22	7.76	0.00	0.00	6.21	9.57	10.00	7.04	8.69	5.49	8.07
WL-FOL-091	7.26	0.00	10.00	10.00	10.00	8.17	0.00	5.59	0.00	0.00	4.48	0.00	0.00	8.19	1.82	7.86	9.27
WL-FOL-092	1.92	9.57	3.15	1.94	3.21	5.07	0.00	7.16	0.00	0.00	4.83	8.31	9.60	8.17	4.74	7.72	9.20
WL-FOL-093	-0.01	9.39	1.78	2.20	2.31	5.31	0.00	6.09	0.00	0.00	4.72	7.98	9.28	8.05	4.68	4.96	8.39
WL-FOL-094	1.54	9.87	2.83	1.82	2.89	3.91	0.00	6.39	0.00	0.00	5.03	6.95	7.38	7.35	3.80	7.84	8.91
WL-FOL-095	4.41	5.87	3.69	1.94	4.14	5.48	8.59	7.22	0.00	0.00	3.71	0.00	0.00	6.78	1.82	6.29	8.47
WL-FOL-096	3.52	3.97	4.61	1.94	2.35	5.98	5.66	5.52	0.00	0.00	5.85	6.98	6.90	7.05	3.95	6.51	8.69
WL-FOL-099	2.26	5.00	6.01	1.50	1.17	4.60	6.86	5.14	0.00	0.00	5.58	6.13	5.58	7.18	4.80	7.13	8.90
WL-FOL-100	2.61	5.52	4.61	1.78	2.83	5.78	7.47	5.84	0.00	0.00	0.77	6.10	6.70	7.19	4.15	6.83	8.81
WL-FOL-100A	4.62	0.00	10.00	10.00	10.00	9.69	0.00	0.00	0.00	0.00	2.31	0.00	0.00	6.74	1.82	2.74	7.26
WL-FOL-100B	5.78	3.83	0.00	1.67	2.44	6.81	5.63	0.00	0.00	0.00	2.84	0.00	0.00	7.27	1.82	3.51	7.76
WL-FOL-100C	4.62	0.00	10.00	10.00	10.00	8.65	0.00	0.00	0.00	0.00	2.89	0.00	0.00	6.98	1.82	3.14	7.48
WL-FOL-100D	4.62	0.00	10.00	10.00	10.00	8.69	0.00	0.00	0.00	0.00	2.64	0.00	0.00	6.36	1.82	2.77	7.23
WL-FOL-100F	4.62	4.00	0.00	1.79	2.32	8.02	7.36	0.00	0.00	0.00	2.11	0.00	0.00	6.01	1.82	3.60	7.77
WL-FOL-101	5.78	4.11	0.00	2.35	2.46	7.71	6.07	0.00	0.00	0.00	1.73	0.00	0.00	5.99	1.82	3.94	7.80
WL-FOL-102	3.56	4.80	3.20	2.31	1.81	5.41	6.80	7.08	0.00	0.00	6.12	7.58	7.68	7.78	4.22	7.58	8.84
WL-FOL-105	4.22	5.51	6.01	2.51	2.95	5.48	7.26	7.10	0.00	0.00	4.11	7.27	7.63	7.90	4.60	6.73	8.04
WL-FOL-106	5.40	4.16	1.01	5.00	2.75	8.21	7.60	0.00	0.00	0.00	2.46	0.00	0.00	6.78	1.82	5.36	8.21
WL-FOL-110	4.14	5.51	4.61	2.40	3.65	4.70	6.72	6.84	0.00	5.55	0.65	6.30	6.98	6.62	3.48	4.42	7.45
WL-FOL-111	6.56	0.00	10.00	10.00	10.00	8.62	0.00	0.00	0.00	0.00	1.63	0.00	0.00	6.46	1.82	1.58	7.18
WL-FOL-113	4.62	3.96	4.61	2.15	2.33	4.92	5.40	5.93	0.00	0.00	0.48	5.73	6.71	5.92	3.98	5.45	7.82
WL-FOL-114	3.12	5.24	6.01	3.09	2.67	5.50	7.27	6.64	0.00	0.00	1.36	7.57	7.45	8.42	4.16	5.23	8.05
WL-FOL-115	2.62	4.79	3.51	1.68	1.86	4.87	6.64	4.76	0.00	0.00	0.52	5.09	5.66	6.13	4.08	3.74	7.07
WL-FOL-2163	5.60	3.30	3.75	1.40	3.98	2.75	6.00	7.12	0.00	0.00	1.38	0.00	0.00	4.92	1.82	4.61	7.27
WL-FOL-2164	5.67	4.07	4.30	1.86	4.38	4.65	6.19	6.74	0.00	0.00	0.97	6.86	7.86	5.41	1.91	5.43	7.75
WL-FOL-2165	5.01	3.80	4.23	1.09	3.23	2.16	6.87	6.97	0.00	0.00	0.81	6.78	7.58	5.93	2.10	5.05	7.69
WL-FOL-2166	4.82	5.81	3.86	3.91	3.28	8.03	8.92	0.00	0.00	0.00	3.83	0.00	0.00	7.18	1.82	9.93	10.00
WL-FOL-2167	5.03	3.32	4.85	1.68	3.38	4.90	6.76	5.73	0.00	0.00	6.22	6.64	7.86	7.56	3.41	9.58	10.00
WL-FOL-2433	1.49	8.12	2.87	1.80	2.65	4.29	0.00	7.86	10.00	8.24	1.53	6.91	8.32	8.75	10.00	5.10	8.24
WL-FOL-2434	4.97	4.35	1.74	2.73	2.31	6.62	6.56	5.42	0.00	0.00	0.58	5.86	6.20	6.90	4.36	7.23	8.69
WL-FOL-2439	5.73	3.78	3.52	2.15	2.73	5.69	7.60	5.42	0.00	0.00	0.85	6.05	7.43	6.53	4.32	4.61	7.81
WL-FOL-2443	5.99	3.69	4.22	2.54	3.85	6.23	6.76	4.98	0.00	5.53	1.74	7.24	8.93	7.14	2.80	5.01	8.30
WL-FOL-2450	3.83	5.34	1.21	2.11	1.72	5.48	7.16	5.12	0.00	0.00	0.99	5.61	6.74	7.16	4.35	6.56	8.46
WL-FOL-2453	1.73	9.07	3.26	1.02	3.88	2.87	0.00	7.34	0.00	0.00	3.97	6.89	7.99	5.32	3.85	7.35	8.60
WL-FOL-2481	1.03	6.20	3.38	2.62	3.06	4.82	0.00	8.38	0.00	10.00	6.85	8.54	9.58	9.13	10.00	8.76	9.72
WL-FOL-2482	1.24	8.34	3.67	2.15	1.29	4.50	0.00	8.19	0.00	9.03	4.42	8.38	7.78	8.98	10.00	6.23	8.01
WL-FOL-2483	1.73	8.36	3.67	2.36	2.05	5.66	0.00	7.71	0.00	8.93	4.51	8.16	8.37	9.15	10.00	5.24	7.88
WL-FOL-2484	7.19	0.00	10.00	10.00	10.00	7.38	0.00	7.52	0.00	7.13	7.03	8.15	7.83	8.73	10.00	6.08	8.24
WL-FOL-2485	2.57	5.30	4.61	1.66	2.98	4.27	5.78	5.78	0.00	4.29	3.68	6.08	6.28	7.22	4.14	7.32	8.47
WL-FOL-2487	5.48	4.91	5.54	1.88	3.52	5.10	6.99	6.62	0.00	0.00	3.83	7.25	6.99	7.57	3.33	9.87	9.57
WL-FOL-2488	1.81	8.80	4.96	2.47	2.28	5.51	0.00	6.72	0.00	0.00	6.47	7.19	7.16	8.94	10.00	5.94	8.34
WL-FOL-2489	4.32	4.92	6.48	2.06	2.93	5.10	6.30	6.89	0.00	0.00	6.40	7.42	7.62	8.05	4.03	8.92	9.38
WL-FOL-2490	1.23	8.86	2.63	1.92	2.69	3.50	0.00	7.81	0.00	7.93	3.83	7.25	8.61	7.02	3.19	7.29	9.19
WL-FOL-2492	4.29	5.34	2.93	2.99	2.83	5.42	7.40	6.95	0.00	0.00	6.14	8.11	9.08	7.73	2.22	7.58	9.29
WL-FOL-2494	1.90	7.96	3.57	1.76	3.88	2.99	0.00	7.31	0.00	0.00	3.22	6.85	7.28	6.83	3.85	8.65	9.48
WL-FOL-2495	2.01	7.67	3.38	1.26	3.69	4.48	0.00	8.09	0.00	0.00	3.44	8.56	8.26	7.44	4.31	7.41	8.54
WL-FOL-2497	1.08	8.32	1.73	2.10	2.35	4.74	0.00	8.08	0.00	0.00	4.17	8.06	9.05	7.76	4.48	6.93	8.99
WL-FOL-2501	1.27	9.02	2.44	1.47	2.41	4.98	0.00	7.52	0.00	6.62	5.38	7.96	8.70	6.84	3.71	6.04	9.62
WL-FOL-2503A	7.33	3.88	0.21	2.88	3.57	7.78	7.48	0.00	0.00	0.00	7.16	0.00	0.00	7.35	1.82	4.50	8.04
WL-FOL-2513	5.19	4.70	3.52	1.90	4.70	4.32	7.94	7.38	0.00	0.00	6.11	8.45	8.88	6.42	3.83	7.35	8.85
WL-FOL-2521	5.28	3.71	4.12	1.81	3.82	5.67	6.85	7.61	0.00	0.00	2.67	7.53	7.80	6.08	3.21	8.00	8.95
WL-FOL-2522	2.42	7.90	3.14	1.51	4.00	4.68	0.00	7.62	0.00	0.00	4.16	6.98	8.17	6.84	5.10	6.97	8.78
WL-FRE-033	5.82	0.00	5.15	10.00	10.00	6.01	0.00	4.97	0.00	0.00	4.50	6.18	6.58	6.22	3.06	4.43	7.44
WL-FRE-033A	7.70	0.00	10.00	10.00	10.00	6.19	0.00	6.05	0.00	0.00	5.87	6.79	7.07	6.77	3.78	8.82	9.41
WL-WAL-005	4.13	5.84	3.55	1.06	2.30	4.80	7.94	6.38	0.00	0.00	0.80	6.00	7.35	7.21	1.93	6.84	9.32
WL-WAL-008	4.63	1.05	3.76	10.00	10.00	6.15	4.24	4.94	0.00	0.00	0.97	5.32	6.07	6.30	3.05	5.71	8.92
WL-WAL-011	5.40	8.83	0.82	3.53	2.64	3.96	0.00	0.00	0.00	0.00	2.27	0.00	0.00	7.42	1.82	4.46	8.25
WL-WAL-017	3.66	5.21	4.33	2.01	2.13	4.89	6.85	6.35	0.00	0.00	0.74	6.71	6.61	5.97	4.87	5.83	7.76
WL-WAL-018	1.28	9.45	3.47	1.83	2.68	3.72	0.00	8.19	0.00	0.00	1.93	7.70	8.55	8.58	10.00	5.29	9.71
WL-WAL-023	0.86	9.07	1.84	2.24	2.30	4.99	0.00	7.53	0.00	0.00	1.55	6.63	6.97	6.75	10.00	2.85	7.61
WL-WAL-027	6.32	0.00	10.00	10.00	10.00	6.96	0.00	0.00	0.00	0.00	2.02	0.00	0.00	6.18	1.82	8.37	9.46

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)	Carbon Stock (CS)	Organic Nutrient Export (OE)	Aquatic Primary Productivity (APP)	Anadromous Fish Habitat (FA)	Resident & Other Fish Habitat (FR)	Amphibian & Turtle 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)
WL-WAL-027A	4.22	4.47	3.20	1.88	1.81	4.65	4.22	6.89	0.00	0.00	1.23	5.77	7.54	7.10	4.00	5.71	8.61
WL-WAL-034	8.65	0.00	10.00	10.00	10.00	6.87	0.00	0.00	0.00	0.00	2.80	0.00	0.00	6.49	1.82	5.41	8.46
WL-WAL-037	1.52	6.18	3.45	1.88	3.23	2.09	0.00	7.51	0.00	9.09	1.69	7.89	8.81	7.52	10.00	6.65	8.81
WL-WAL-039	0.82	0.00	1.49	0.79	1.37	2.45	0.00	6.52	0.00	0.00	0.59	6.52	6.76	5.65	3.15	6.90	8.97
WL-WAL-040	7.49	0.00	10.00	10.00	10.00	9.54	0.00	0.00	0.00	0.00	1.46	0.00	0.00	6.01	1.82	3.06	7.22
WL-WAL-042	4.08	4.16	4.94	1.99	2.58	3.02	5.24	6.06	0.00	0.00	1.57	7.25	8.14	7.86	4.16	8.00	9.51
WL-WAL-047	7.54	0.00	10.00	10.00	10.00	7.00	0.00	5.98	0.00	0.00	0.94	7.22	8.85	6.13	4.33	8.22	9.33
WL-WAL-052	8.29	0.00	10.00	10.00	10.00	3.31	0.00	5.61	0.00	0.00	4.35	8.68	7.93	6.40	8.46	9.86	9.64
WL-WAL-064	2.47	7.96	4.76	1.43	3.09	4.02	0.00	7.44	0.00	9.36	6.66	8.30	8.70	8.24	10.00	4.68	7.80
WL-WAL-072	-0.14	8.48	1.32	1.43	4.00	4.27	0.00	5.77	0.00	0.00	4.01	6.05	7.02	5.94	3.66	7.38	8.72
WL-WAL-074	2.65	5.30	1.52	2.02	3.58	4.64	7.23	6.00	0.00	0.00	3.75	6.22	7.25	6.29	3.29	4.90	8.14
WL-WAL-081	5.75	0.00	10.00	10.00	10.00	6.90	0.00	5.78	0.00	0.00	1.00	6.87	8.56	6.26	4.21	6.46	8.62
	% Summary of Function Scores (Normalised)																
Low	40	19	77	69	31	6	39	20	97	86	28	22	22	0	38	3	0
Moderate	54	63	10	15	52	68	36	68	1	8	52	69	53	75	54	32	23
High	6	18	13	16	17	26	25	12	2	6	20	9	25	25	8	65	77

Table 3: WESP-AC Summary Ratings for Grouped Functions

#	Wetland ID	WSS (Yes/No)	Hydrologic	Water Quality Support	Aquatic Support	Aquatic Habitat	Transition Habitat
1	WL-CHI-020	No	Low	Moderate	Moderate	Low	Low
2	WL-CHI-022	No	Low	Low	High	Moderate	Moderate
3	WL-CHI-023	No	High	Low	Low	Low	Low
4	WL-CHI-026	No	Low	Moderate	Moderate	Low	Low
5	WL-CHI-029	No	Low	Low	High	Low	Low
6	WL-CHI-029A	No	High	Low	High	Moderate	Low
7	WL-CHI-030	No	Moderate	Moderate	High	Low	Low
8	WL-CHI-038	No	High	Moderate	Moderate	Low	Low
9	WL-CHI-041	No	Moderate	Low	High	Low	Low
10	WL-CHI-042	No	Moderate	Low	Moderate	Moderate	Low
11	WL-CHI-047	No	Low	Low	High	Moderate	Low
12	WL-CHI-050	No	Low	Low	High	Moderate	Low
13	WL-CHI-055	No	Moderate	Low	Low	Low	Low
14	WL-CHI-056	Yes	Moderate	High	High	Low	Low
15	WL-CHI-057	No	Low	Moderate	High	Low	Low
16	WL-CHI-058	No	Low	Low	High	Low	Low
17	WL-CHI-059	No	Moderate	Moderate	High	Low	Low
18	WL-CHI-061	No	Low	Low	High	High	Low
19	WL-CHI-061A	No	Moderate	Moderate	High	High	Low
20	WL-CHI-063	No	Moderate	Low	Low	Low	Low
21	WL-CHI-064	No	Low	Low	High	Low	Low
22	WL-CHI-065	No	Moderate	Moderate	Low	Low	Low
23	WL-CHI-067	No	Moderate	Low	High	Moderate	Moderate
24	WL-CHI-069	No	Moderate	Low	Moderate	Moderate	Moderate
25	WL-CHI-075A	No	Low	Low	High	Low	Low
26	WL-CHI-078	No	Moderate	Low	High	Low	Low
27	WL-CHI-080	No	Low	Low	Moderate	Low	Low
28	WL-CHI-083	No	Moderate	Low	Low	Low	Low
29	WL-CHI-084	No	Moderate	Low	High	Low	Low
30	WL-CHI-084A	No	Moderate	Low	High	Low	Low
31	WL-CHI-084B	No	Low	Low	High	Low	Low
32	WL-CHI-084D	Yes	Low	Low	High	High	Moderate
33	WL-CHI-085	No	Moderate	Low	Low	Low	Low
34	WL-CHI-086	No	Low	Low	High	Low	Low
35	WL-CHI-094	No	Low	Low	High	Low	Low
36	WL-CHI-096	No	Moderate	Low	Moderate	Moderate	Moderate
37	WL-CHI-097	No	Low	Low	High	Low	Low
38	WL-CHI-097A	No	Moderate	Low	High	Low	Low
39	WL-CHI-099	No	Low	Low	High	Low	Low
40	WL-CHI-101	No	Moderate	Low	High	Moderate	Moderate
41	WL-CHI-104	No	Low	Low	High	Moderate	Low
42	WL-CHI-107	No	Low	Low	Low	Low	Low
43	WL-CHI-109	No	Moderate	Low	Low	Low	Low
44	WL-CHI-110	Yes	Moderate	Low	High	High	Moderate
45	WL-CHI-111	No	Low	Moderate	Low	Low	Low
46	WL-CHI-113	No	Low	Moderate	High	Low	Low
47	WL-CHI-118	No	Low	Low	High	Low	Low
48	WL-CHI-118A	No	Low	Low	High	Low	Low
49	WL-CHI-120	No	Moderate	Low	High	Low	Low
50	WL-CHI-120A	No	Moderate	Low	High	Low	Low
51	WL-CHI-122	No	Moderate	Low	Low	Low	Low
52	WL-CHI-122A	No	Low	Low	High	Low	Low
53	WL-CHI-122B	No	Low	Low	High	Low	Low

#	Wetland ID	WSS (Yes/No)	Hydrologic	Water Quality Support	Aquatic Support	Aquatic Habitat	Transition Habitat
54	WL-CHI-124	No	Low	Low	High	Moderate	Low
55	WL-CHI-128A	No	Moderate	Low	Moderate	Low	Low
56	WL-CHI-132	No	Moderate	Low	High	Moderate	Moderate
57	WL-CHI-133	No	Moderate	Moderate	High	Moderate	Low
58	WL-CHI-134	No	Moderate	Low	High	Moderate	Low
59	WL-CHI-134A	No	Low	Low	High	Low	Low
60	WL-CHI-135	No	Low	Low	High	Low	Low
61	WL-CHI-139	No	Moderate	Low	High	Moderate	Low
62	WL-CHI-141	No	Moderate	Low	Low	Low	Moderate
63	WL-CHI-141A	No	High	Moderate	Low	Low	Moderate
64	WL-CHI-141C	No	Low	Low	High	Moderate	Low
65	WL-CHI-144	No	Low	Low	High	Moderate	Low
66	WL-CHI-145	No	Low	Low	Moderate	Moderate	Moderate
67	WL-CHI-146	No	Low	Low	Moderate	Moderate	Moderate
68	WL-CHI-149	No	Low	Low	Moderate	Moderate	Low
69	WL-CHI-152	No	Low	Low	High	Moderate	Low
70	WL-CHI-155	No	Moderate	Low	Low	Low	Low
71	WL-CHI-158	No	Low	Moderate	High	Moderate	Low
72	WL-CHI-159	No	Low	Low	High	Moderate	Low
73	WL-CHI-159A	No	High	Low	Low	Low	Low
74	WL-CHI-159B	No	Low	Low	High	Moderate	Low
75	WL-CHI-162	No	Moderate	Moderate	Low	Low	Low
76	WL-CHI-170	No	Low	Low	High	Moderate	Low
77	WL-CHI-180	No	Moderate	Low	High	Low	Low
78	WL-CHI-191	No	Low	Low	High	Low	Low
79	WL-CHI-191A	No	Moderate	Low	High	Moderate	Low
80	WL-CHI-213	No	Low	Moderate	Low	Low	Moderate
81	WL-CHI-233	No	Low	Low	High	Low	Low
82	WL-CHI-234	No	Low	Low	High	Moderate	Low
83	WL-CHI-235	No	Moderate	Low	High	Low	Low
84	WL-CHI-236	No	Low	Low	High	Low	Low
85	WL-DEB-009	No	Moderate	Low	Moderate	Low	Low
86	WL-DEB-021	No	Moderate	High	Low	Low	Low
87	WL-DEB-022	No	Moderate	Low	High	Low	Low
88	WL-DEB-022A	No	Moderate	Moderate	Moderate	Moderate	Low
89	WL-DEB-024	No	Moderate	Low	Low	Low	Low
90	WL-DEB-031	No	Moderate	Moderate	High	Low	Low
91	WL-DEB-036	No	Low	Low	High	Low	Low
92	WL-DEB-037	No	Low	Low	Moderate	Low	Low
93	WL-DEB-038	No	Low	Low	High	Moderate	Moderate
94	WL-DEB-038A	No	Low	Low	High	Moderate	Low
95	WL-DEB-041	No	Low	Low	High	Low	Low
96	WL-DEB-043	No	Moderate	Low	Moderate	Low	Low
97	WL-DEB-044	No	Moderate	Low	High	Moderate	Low
98	WL-DEB-046	No	Moderate	Low	Moderate	Moderate	Low
99	WL-DEB-047	No	Low	Low	High	Low	Low
100	WL-DEB-055	No	Moderate	Low	Moderate	Low	Low
101	WL-DEB-055A	No	Moderate	Low	High	Low	Low
102	WL-DEB-055C	No	Moderate	Low	Moderate	Low	Low
103	WL-DEB-055D	No	Moderate	Low	Moderate	Low	Low
104	WL-DEB-060	No	Low	Low	High	Low	Moderate
105	WL-DEB-063A	No	High	Low	Low	Low	Low
106	WL-DEB-067	No	High	Low	Low	Low	Low
107	WL-DEB-067A	No	Moderate	Low	High	Low	Low

#	Wetland ID	WSS (Yes/No)	Hydrologic	Water Quality Support	Aquatic Support	Aquatic Habitat	Transition Habitat
108	WL-DEB-073	No	Moderate	Low	High	Moderate	Low
109	WL-DEB-076	No	Moderate	Low	Low	Low	Low
110	WL-DEB-078	No	Low	Low	High	Moderate	Low
111	WL-DEB-079	No	Moderate	Low	Low	Low	Low
112	WL-DEB-082	No	Moderate	Low	Moderate	Moderate	Low
113	WL-DEB-083	No	Low	Low	High	Moderate	Low
114	WL-DEB-085	No	Moderate	Low	Moderate	Low	Low
115	WL-DEB-086	No	Moderate	Low	High	Moderate	Moderate
116	WL-DEB-089A	No	Low	Low	Moderate	Moderate	Moderate
117	WL-DEB-091	No	Moderate	Low	High	Low	Low
118	WL-DEB-092	No	Moderate	Low	High	Moderate	Low
119	WL-DEB-093	No	Moderate	High	Low	Low	Low
120	WL-DEB-095	No	Low	Low	High	Moderate	Low
121	WL-DEB-098	No	Low	Low	High	Low	Low
122	WL-DEB-102	No	Low	Moderate	High	Low	Low
123	WL-DEB-109A	No	Moderate	Low	Moderate	Low	Low
124	WL-DEB-112	No	Low	Low	High	Low	Low
125	WL-DEB-116	No	Moderate	Low	High	Moderate	Low
126	WL-DEB-119	No	Low	Low	Moderate	Moderate	Low
127	WL-DEB-121	No	Moderate	Low	Moderate	Moderate	Moderate
128	WL-DEB-124	Yes	Low	Low	High	High	Moderate
129	WL-DEB-129	No	Low	Moderate	High	Moderate	Low
130	WL-DEB-135	No	Low	Low	Moderate	Moderate	Moderate
131	WL-DEB-136	No	Moderate	Low	Low	Low	Low
132	WL-DEB-141	No	Low	Low	High	Moderate	Low
133	WL-DEB-142	No	Low	Low	Moderate	Moderate	Moderate
134	WL-DEB-144	Yes	Low	Low	High	High	High
135	WL-DEB-156	No	Low	Low	High	Moderate	Moderate
136	WL-DEB-157	No	Low	Low	High	Moderate	Low
137	WL-DEB-160	No	Low	Low	High	Low	Low
138	WL-DEB-162	No	Low	Low	High	Moderate	Moderate
139	WL-DEB-165	No	Low	Low	High	Low	Low
140	WL-DEB-166	No	Low	Low	High	Low	Low
141	WL-DEB-168	No	Moderate	Low	High	Low	Low
142	WL-DEB-169	No	Low	Low	High	Low	Low
143	WL-DEB-170	No	Low	Low	Moderate	Moderate	Low
144	WL-DEB-180	No	Moderate	Moderate	Moderate	Moderate	Low
145	WL-DEB-181	No	High	Moderate	Moderate	Low	Moderate
146	WL-DEB-182	No	Low	Low	Low	Low	Low
147	WL-DEB-184	No	Moderate	Low	Low	Low	Moderate
148	WL-DEB-186	No	Moderate	Low	High	Moderate	Low
149	WL-DEB-189	No	Moderate	Moderate	Moderate	Low	Low
150	WL-DEB-193	No	High	Low	High	Moderate	Low
151	WL-DEB-196	No	High	Moderate	Moderate	Moderate	Low
152	WL-DEB-208	No	Low	Low	Moderate	Moderate	Low
153	WL-DEB-210	No	Low	Low	Moderate	Low	Low
154	WL-DEB-213	No	Low	Low	High	Low	Low
155	WL-DEB-214	No	Moderate	Low	High	Low	Low
156	WL-DEB-217	Yes	Moderate	Low	High	High	Moderate
157	WL-DEB-218	No	Low	Low	High	Low	Low
158	WL-DEB-219	No	Low	Low	High	Low	Low
159	WL-DEB-221	No	Low	Moderate	High	Low	Low
160	WL-DEB-224	No	Moderate	Low	High	Low	Low
161	WL-DEB-228	No	Low	Low	High	Low	Low

#	Wetland ID	WSS (Yes/No)	Hydrologic	Water Quality Support	Aquatic Support	Aquatic Habitat	Transition Habitat
162	WL-DEB-234	No	Low	Low	High	Moderate	Low
163	WL-DEB-237	No	Low	Low	Moderate	Moderate	Moderate
164	WL-DEB-238	No	Moderate	Low	High	Low	Low
165	WL-DEB-240	No	Low	Low	High	Low	Low
166	WL-DEB-243	No	Low	Low	High	Low	Low
167	WL-DEB-247	No	Moderate	Low	Moderate	Low	Low
168	WL-DEB-251	No	Low	Low	Moderate	Low	Low
169	WL-DEB-252	No	Low	Low	Moderate	Low	Low
170	WL-DEB-253	No	Low	Low	High	Moderate	Low
171	WL-DEB-255	No	Moderate	Low	Low	Low	Low
172	WL-DEB-256	No	Low	Low	High	Low	Low
173	WL-DEB-262	No	Low	Low	High	Low	Low
174	WL-DEB-263	No	Low	Low	High	Low	Moderate
175	WL-DEB-263A	No	Low	Low	High	Low	Low
176	WL-DEB-264	No	Low	Low	High	Moderate	Moderate
177	WL-DEB-265	No	Moderate	Moderate	Moderate	Moderate	Moderate
178	WL-DEB-266	Yes	Moderate	Low	Moderate	Moderate	High
179	WL-DEB-267	No	Low	Low	Moderate	Moderate	Low
180	WL-DEB-268	No	Moderate	Low	High	Low	Low
181	WL-DEB-269	No	Low	Moderate	High	Moderate	Moderate
182	WL-DEB-275	No	Low	Low	High	Moderate	Low
183	WL-DEB-276	No	Moderate	Moderate	Moderate	Low	Low
184	WL-DEB-276A	No	Low	Low	High	Low	Low
185	WL-DEB-276B	No	Moderate	Low	Low	Low	Low
186	WL-DEB-276C	No	Moderate	Moderate	Low	Low	Low
187	WL-DEB-276D	No	Moderate	Low	Low	Low	Low
188	WL-DEB-276E	No	Moderate	Moderate	Low	Low	Low
189	WL-DEB-276F	No	Moderate	Low	Low	Low	Low
190	WL-DEB-277	No	Low	Low	Moderate	Low	Low
191	WL-DEB-286	No	Low	Low	Moderate	Moderate	Low
192	WL-DEB-287	No	Moderate	Low	Moderate	Moderate	Low
193	WL-DEB-288	No	Low	Low	Low	Low	Low
194	WL-DEB-291	Yes	Moderate	Low	High	High	Moderate
195	WL-DEB-292	No	Moderate	Moderate	Moderate	Moderate	Moderate
196	WL-DEB-293	No	Low	Moderate	High	Moderate	Low
197	WL-DEB-295	No	Low	Low	Low	Low	Low
198	WL-DEB-296	No	Low	Low	Low	Low	Low
199	WL-DEB-297	No	Moderate	Low	High	Moderate	Moderate
200	WL-DEB-298A	No	Moderate	Low	High	Low	Low
201	WL-DEB-299	No	Low	Low	Moderate	Low	Low
202	WL-DEB-300	No	Moderate	Low	High	Moderate	Moderate
203	WL-DEB-303A	No	Moderate	Low	High	Low	Low
204	WL-DEB-305	No	Low	Low	Moderate	Low	Low
205	WL-DEB-306	No	Low	Low	Moderate	Low	Low
206	WL-DEB-308A	No	Moderate	Low	High	Low	Low
207	WL-DEB-309	No	Moderate	Low	High	Low	Low
208	WL-DEB-314	No	Low	Moderate	Low	Low	Low
209	WL-DEB-315	No	Moderate	Low	High	Low	Low
210	WL-DEB-318	No	Low	Low	High	Low	Low
211	WL-DEB-319	No	Low	Moderate	Moderate	Moderate	Moderate
212	WL-DEB-323	No	Moderate	Low	Low	Low	Low
213	WL-DEB-324	No	Low	Moderate	High	Low	Low
214	WL-DEB-325	No	Low	High	Low	Moderate	Low
215	WL-DEB-326	No	Moderate	Low	High	Low	Low

#	Wetland ID	WSS (Yes/No)	Hydrologic	Water Quality Support	Aquatic Support	Aquatic Habitat	Transition Habitat
216	WL-DEB-327	No	Moderate	Low	High	Low	Low
217	WL-DEB-328	No	Low	Moderate	Moderate	Moderate	Low
218	WL-DEB-329	No	Moderate	Moderate	Moderate	Low	Low
219	WL-DEB-331	No	Low	Moderate	High	Moderate	Low
220	WL-DEB-333	No	Moderate	Low	High	Low	Low
221	WL-DEB-334	Yes	Low	Moderate	Moderate	High	High
222	WL-DEB-335	No	Low	Low	High	Moderate	Moderate
223	WL-DEB-337	No	Low	Low	High	Moderate	Low
224	WL-DEB-339	No	Low	Low	Moderate	Moderate	Moderate
225	WL-DEB-340	No	Low	Moderate	High	Low	Low
226	WL-DEB-341	No	Moderate	Moderate	Low	Low	Low
227	WL-DEB-343	No	Low	Low	Low	Low	Low
228	WL-DEB-343A	No	Moderate	Low	Moderate	Low	Low
229	WL-DEB-344	No	Low	Low	High	Moderate	Low
230	WL-DEB-344A	No	Moderate	Moderate	Moderate	Moderate	Low
231	WL-DEB-345	No	Moderate	Moderate	Moderate	Low	Low
232	WL-DEB-346	No	Low	Low	High	Low	Low
233	WL-DEB-349	No	Moderate	High	Low	Low	Low
234	WL-DEB-350	No	Low	Low	Low	Low	Low
235	WL-DEB-351	No	Moderate	Low	Low	Low	Low
236	WL-DEB-352	No	Low	Low	High	Moderate	Low
237	WL-DEB-353	No	Low	Low	Moderate	Low	Low
238	WL-DEB-354	No	Low	Low	High	High	Low
239	WL-DEB-355	No	Low	Low	High	Low	Low
240	WL-DEB-356	No	Low	Moderate	Moderate	Low	Low
241	WL-DEB-357	No	Low	High	Moderate	Low	Low
242	WL-DEB-358	No	Low	Moderate	Moderate	Low	Low
243	WL-DEB-360	No	Low	Low	High	Low	Moderate
244	WL-DEB-362	No	Moderate	Low	Moderate	Low	Low
245	WL-DEB-365	No	Moderate	Low	Moderate	Low	Low
246	WL-DEB-367	No	Moderate	Low	Moderate	Low	Low
247	WL-FOL-004	No	Low	High	Low	Low	Low
248	WL-FOL-019	No	Moderate	Low	High	Moderate	Low
249	WL-FOL-020	No	Moderate	Low	High	Low	Low
250	WL-FOL-027	No	Moderate	Low	High	Moderate	Low
251	WL-FOL-028	No	Moderate	Low	Low	Low	Low
252	WL-FOL-029	No	Moderate	Low	Low	Low	Low
253	WL-FOL-034	No	Moderate	Low	High	Moderate	Moderate
254	WL-FOL-034A	No	Low	Moderate	High	Low	Low
256	WL-FOL-036	No	Low	Low	High	Low	Low
257	WL-FOL-038	No	Low	Low	Moderate	Low	Low
259	WL-FOL-046	No	High	Moderate	Low	Low	Low
261	WL-FOL-049	No	Moderate	Moderate	Low	Low	Low
262	WL-FOL-051	No	Moderate	Low	High	Low	Low
263	WL-FOL-054	No	Moderate	Low	Moderate	Low	Low
264	WL-FOL-056	No	Low	Low	High	Low	Low
265	WL-FOL-058	No	Moderate	Low	Low	Low	Low
266	WL-FOL-062	No	Moderate	Low	Low	Low	Low
267	WL-FOL-062A	No	Moderate	Low	Low	Low	Low
269	WL-FOL-065	No	Low	Low	Low	Low	Low
271	WL-FOL-075	No	Low	Low	Moderate	Low	Low
272	WL-FOL-075A	No	Moderate	Low	Moderate	Low	Low
273	WL-FOL-076	No	Moderate	Low	High	Low	Low
274	WL-FOL-077	No	Moderate	Low	High	Low	Low

#	Wetland ID	WSS (Yes/No)	Hydrologic	Water Quality Support	Aquatic Support	Aquatic Habitat	Transition Habitat
275	WL-FOL-078	No	Low	Low	High	Moderate	Low
276	WL-FOL-079	No	Moderate	Low	High	Low	Moderate
277	WL-FOL-079A	No	Moderate	Low	High	Low	Low
278	WL-FOL-082	No	Moderate	Moderate	Low	Low	Low
279	WL-FOL-085A	No	Moderate	Low	High	Low	Low
280	WL-FOL-091	No	Moderate	High	Moderate	Low	Low
281	WL-FOL-092	No	Low	Low	High	Moderate	Low
282	WL-FOL-093	No	Low	Low	High	Moderate	Low
283	WL-FOL-094	No	Low	Low	High	Low	Low
284	WL-FOL-095	No	Moderate	Low	High	Low	Low
285	WL-FOL-096	No	Low	Low	High	Low	Low
286	WL-FOL-099	No	Low	Low	High	Low	Low
287	WL-FOL-100	No	Low	Low	High	Moderate	Moderate
288	WL-FOL-100A	No	Moderate	Moderate	Low	Low	Low
289	WL-FOL-100B	No	Moderate	Low	Low	Low	Low
290	WL-FOL-100C	No	Moderate	Moderate	Low	Low	Low
291	WL-FOL-100D	No	Moderate	Moderate	Low	Low	Low
292	WL-FOL-100F	No	Moderate	Low	Low	Low	Low
293	WL-FOL-101	No	Moderate	Low	Low	Low	Low
294	WL-FOL-102	No	Low	Low	High	Low	Low
295	WL-FOL-105	No	Low	Low	High	Moderate	Low
296	WL-FOL-106	No	Moderate	Low	Low	Low	Low
297	WL-FOL-110	No	Low	Low	High	Moderate	Low
298	WL-FOL-111	No	Moderate	Low	Low	Low	Low
299	WL-FOL-113	No	Low	Low	Moderate	Moderate	Low
300	WL-FOL-114	No	Low	Low	High	Moderate	Moderate
301	WL-FOL-115	No	Low	Low	High	Moderate	Low
302	WL-FOL-2163	No	Low	Low	Moderate	Low	Low
303	WL-FOL-2164	No	Low	Low	Moderate	Moderate	Low
304	WL-FOL-2165	No	Low	Low	High	Moderate	Low
305	WL-FOL-2166	No	Low	Low	Low	Low	Low
306	WL-FOL-2167	No	Low	Low	High	Low	Low
307	WL-FOL-2433	Yes	Low	Low	High	High	Moderate
308	WL-FOL-2434	No	Moderate	Low	High	Moderate	Moderate
309	WL-FOL-2439	No	Moderate	Low	High	Moderate	Low
310	WL-FOL-2443	No	Moderate	Moderate	High	High	Low
311	WL-FOL-2450	No	Low	Moderate	High	Moderate	Moderate
312	WL-FOL-2453	No	Low	Low	High	Moderate	Low
313	WL-FOL-2481	No	Low	Low	High	Moderate	Low
314	WL-FOL-2482	No	Low	Low	High	Moderate	Low
315	WL-FOL-2483	No	Low	Low	High	Moderate	Low
316	WL-FOL-2484	No	Moderate	Moderate	Moderate	Moderate	Low
317	WL-FOL-2485	No	Low	Low	High	Low	Low
318	WL-FOL-2487	No	Moderate	Low	High	Low	Low
319	WL-FOL-2488	No	Low	Low	High	Low	Low
320	WL-FOL-2489	No	Low	Low	High	Low	Low
321	WL-FOL-2490	No	Low	Low	High	Moderate	Low
322	WL-FOL-2492	No	Moderate	Low	High	Low	Low
323	WL-FOL-2494	No	Low	Low	High	Low	Low
324	WL-FOL-2495	No	Low	Moderate	High	Moderate	Low
325	WL-FOL-2497	No	Low	Low	High	Moderate	Low
326	WL-FOL-2501	No	Low	Moderate	High	Low	Low
327	WL-FOL-2503A	No	Moderate	Low	Low	Low	Low
328	WL-FOL-2513	No	Moderate	Moderate	High	Low	Low

#	Wetland ID	WSS (Yes/No)	Hydrologic	Water Quality Support	Aquatic Support	Aquatic Habitat	Transition Habitat
329	WL-FOL-2521	No	Moderate	Low	High	Low	Low
330	WL-FOL-2522	No	Low	Moderate	High	Moderate	Low
331	WL-FRE-033	No	Moderate	Moderate	Moderate	Low	Low
332	WL-FRE-033A	No	Moderate	Moderate	Moderate	Low	Low
333	WL-WAL-005	No	Low	Moderate	Moderate	Moderate	Moderate
334	WL-WAL-008	No	Low	Low	Moderate	Moderate	Moderate
335	WL-WAL-011	No	Low	Low	Moderate	Low	Low
336	WL-WAL-017	No	Low	Low	High	Moderate	Low
337	WL-WAL-018	No	Low	Low	High	Moderate	Moderate
338	WL-WAL-023	No	Low	Moderate	High	Moderate	Moderate
339	WL-WAL-027	No	Moderate	Low	Low	Low	Moderate
340	WL-WAL-027A	No	Low	Moderate	Moderate	Low	Low
341	WL-WAL-034	No	Moderate	High	Low	Low	Low
342	WL-WAL-037	Yes	Low	Low	High	High	Moderate
343	WL-WAL-039	No	Low	Low	Moderate	Moderate	Moderate
344	WL-WAL-040	No	Moderate	Low	Low	Low	Low
345	WL-WAL-042	Yes	Low	Low	Moderate	Moderate	High
346	WL-WAL-047	No	Moderate	Low	Moderate	Moderate	Moderate
347	WL-WAL-052	No	Moderate	Low	Moderate	Moderate	Low
348	WL-WAL-064	No	Low	Low	High	High	Low
349	WL-WAL-072	No	Low	Low	High	Low	Low
350	WL-WAL-074	No	Low	Low	High	Low	Low
351	WL-WAL-081	No	Moderate	Moderate	Moderate	Moderate	Moderate

Table 4: Wetland Areas of Impact

Wetland ID	Total Area (ha)	Area Within PDA (ha)	Area within LAA (ha)	Area Within RAA (ha)	Area of Impact	% of Alteration	Type of Alteration
WL-CHI-020	0.365	0.133	0.365	0.365	0.133	37	Partial Infilling
WL-CHI-022	0.079	0.059	0.079	0.079	0.059	74	Partial Infilling
WL-CHI-023	3.625	0.368	3.625	3.625	0.368	10	Partial Infilling
WL-CHI-026	0.414	0.206	0.414	0.414	0.206	50	Partial Infilling
WL-CHI-029	0.154	0.154	0.154	0.154	0.154	100	Complete Infilling
WL-CHI-029A	0.135	0.135	0.135	0.135	0.135	100	Complete Infilling
WL-CHI-030	0.397	0.101	0.397	0.397	0.101	25	Partial Infilling
WL-CHI-038	0.309	0.013	0.309	0.309	0.013	4	Partial Infilling
WL-CHI-041	0.640	0.120	0.640	0.640	0.120	19	Partial Infilling
WL-CHI-042	0.173	0.139	0.173	0.173	0.139	80	Partial Infilling
WL-CHI-047	0.135	0.135	0.135	0.135	0.135	100	Complete Infilling
WL-CHI-050	0.124	0.119	0.124	0.124	0.119	95	Partial Infilling
WL-CHI-055	0.772	0.605	0.772	0.772	0.605	78	Partial Infilling
WL-CHI-056	0.374	0.148	0.374	0.374	0.148	40	Partial Infilling
WL-CHI-057	0.109	0.016	0.109	0.109	0.016	15	Partial Infilling
WL-CHI-058	0.154	0.090	0.154	0.154	0.090	59	Partial Infilling
WL-CHI-059	0.356	0.206	0.356	0.356	0.206	58	Partial Infilling
WL-CHI-061	25.430	2.597	25.430	25.430	2.597	10	Partial Infilling
WL-CHI-061A	0.539	0.136	0.539	0.539	0.136	25	Partial Infilling
WL-CHI-063	0.054	0.042	0.054	0.054	0.042	78	Partial Infilling
WL-CHI-064	0.037	0.022	0.037	0.037	0.022	60	Partial Infilling
WL-CHI-065	0.798	0.240	0.798	0.798	0.240	30	Partial Infilling
WL-CHI-067	0.448	0.263	0.448	0.448	0.263	59	Partial Infilling
WL-CHI-069	1.053	0.060	1.053	1.053	0.060	6	Partial Infilling
WL-CHI-075A	0.023	0.001	0.023	0.023	0.001	5	Partial Infilling
WL-CHI-078	0.040	0.040	0.040	0.040	0.040	100	Complete Infilling
WL-CHI-080	5.449	0.383	5.449	5.449	0.383	7	Partial Infilling
WL-CHI-083	0.212	0.137	0.212	0.212	0.137	65	Partial Infilling
WL-CHI-084	0.559	0.274	0.559	0.559	0.274	49	Partial Infilling
WL-CHI-084A	0.603	0.309	0.603	0.603	0.309	51	Partial Infilling
WL-CHI-084B	4.073	1.379	4.073	4.073	1.379	34	Partial Infilling
WL-CHI-084D	2.364	0.165	2.364	2.364	0.165	7	Partial Infilling
WL-CHI-085	0.234	0.050	0.234	0.234	0.050	22	Partial Infilling
WL-CHI-086	0.446	0.358	0.446	0.446	0.358	80	Partial Infilling
WL-CHI-094	0.630	0.236	0.630	0.630	0.236	38	Partial Infilling
WL-CHI-096	0.083	0.056	0.083	0.083	0.056	67	Partial Infilling
WL-CHI-097	1.423	0.086	1.423	1.423	0.086	6	Partial Infilling
WL-CHI-097A	0.095	0.037	0.095	0.095	0.037	39	Partial Infilling
WL-CHI-099	0.540	0.190	0.540	0.540	0.190	35	Partial Infilling
WL-CHI-101	0.246	0.144	0.246	0.246	0.144	59	Partial Infilling
WL-CHI-104	0.117	0.093	0.117	0.117	0.093	79	Partial Infilling
WL-CHI-107	0.234	0.157	0.234	0.234	0.157	67	Partial Infilling
WL-CHI-109	0.354	0.032	0.354	0.354	0.032	9	Partial Infilling
WL-CHI-110	0.179	0.105	0.179	0.179	0.105	59	Partial Infilling
WL-CHI-111	0.100	0.077	0.100	0.100	0.077	78	Partial Infilling
WL-CHI-113	0.262	0.209	0.262	0.262	0.209	80	Partial Infilling
WL-CHI-118	0.312	0.110	0.312	0.312	0.110	35	Partial Infilling
WL-CHI-118A	0.117	0.085	0.117	0.117	0.085	73	Partial Infilling
WL-CHI-120	0.258	0.222	0.258	0.258	0.222	86	Partial Infilling
WL-CHI-120A	0.181	0.181	0.181	0.181	0.181	100	Complete Infilling
WL-CHI-122	2.483	0.481	2.483	2.483	0.481	19	Partial Infilling
WL-CHI-122A	2.456	1.375	2.456	2.456	1.375	56	Partial Infilling
WL-CHI-122B	0.902	0.615	0.902	0.902	0.615	68	Partial Infilling
WL-CHI-124	2.935	0.330	2.935	2.935	0.330	11	Partial Infilling
WL-CHI-128A	0.091	0.091	0.091	0.091	0.091	100	Complete Infilling
WL-CHI-132	0.041	0.041	0.041	0.041	0.041	100	Complete Infilling
WL-CHI-133	0.843	0.452	0.843	0.843	0.452	54	Partial Infilling
WL-CHI-134	0.088	0.085	0.088	0.088	0.085	97	Partial Infilling
WL-CHI-134A	0.154	0.152	0.154	0.154	0.152	98	Partial Infilling
WL-CHI-135	2.965	0.593	2.965	2.965	0.593	20	Partial Infilling
WL-CHI-139	2.118	0.285	2.118	2.118	0.285	13	Partial Infilling
WL-CHI-141	0.308	0.225	0.308	0.308	0.225	73	Partial Infilling
WL-CHI-141A	0.437	0.279	0.437	0.437	0.279	64	Partial Infilling
WL-CHI-141C	6.733	0.182	6.733	6.733	0.182	3	Partial Infilling
WL-CHI-144	0.042	0.040	0.042	0.042	0.040	96	Partial Infilling
WL-CHI-145	0.012	0.012	0.012	0.012	0.012	100	Complete Infilling
WL-CHI-146	0.187	0.154	0.187	0.187	0.154	82	Partial Infilling
WL-CHI-149	0.146	0.090	0.146	0.146	0.090	62	Partial Infilling
WL-CHI-152	0.612	0.055	0.612	0.612	0.055	9	Partial Infilling
WL-CHI-155	0.081	0.081	0.081	0.081	0.081	100	Complete Infilling
WL-CHI-158	0.426	0.178	0.426	0.426	0.178	42	Partial Infilling
WL-CHI-159	0.376	0.205	0.376	0.376	0.205	54	Partial Infilling
WL-CHI-159A	0.093	0.093	0.093	0.093	0.093	100	Complete Infilling
WL-CHI-159B	0.199	0.071	0.199	0.199	0.071	36	Partial Infilling
WL-CHI-162	0.125	0.016	0.125	0.125	0.016	13	Partial Infilling
WL-CHI-170	1.821	0.976	1.821	1.821	0.976	54	Partial Infilling
WL-CHI-175	0.043	0.043	0.043	0.043	0.043	100	Complete Infilling
WL-CHI-176	4.328	0.339	4.328	4.328	0.339	8	Partial Infilling
WL-CHI-180	1.291	0.098	1.291	1.291	0.098	8	Partial Infilling
WL-CHI-191	7.481	0.237	7.481	7.481	0.237	3	Partial Infilling
WL-CHI-191A	0.043	0.043	0.043	0.043	0.043	100	Complete Infilling

Wetland ID	Total Area (ha)	Area Within PDA (ha)	Area within LAA (ha)	Area Within RAA (ha)	Area of Impact	% of Alteration	Type of Alteration
WL-CHI-213	0.034	0.002	0.034	0.034	0.002	7	Partial Infilling
WL-CHI-233	0.186	0.027	0.186	0.186	0.027	15	Partial Infilling
WL-CHI-234	0.210	0.109	0.210	0.210	0.109	52	Partial Infilling
WL-CHI-235	0.065	0.065	0.065	0.065	0.065	100	Complete Infilling
WL-CHI-236	0.060	0.019	0.060	0.060	0.019	32	Partial Infilling
WL-DEB-009	0.063	0.063	0.063	0.063	0.063	100	Complete Infilling
WL-DEB-021	0.016	0.016	0.016	0.016	0.016	100	Complete Infilling
WL-DEB-022	12.359	0.248	12.359	12.359	0.248	2	Partial Infilling
WL-DEB-022A	0.043	0.043	0.043	0.043	0.043	100	Complete Infilling
WL-DEB-024	1.043	0.677	1.043	1.043	0.677	65	Partial Infilling
WL-DEB-026	1.117	0.409	1.117	1.117	0.409	37	Partial Infilling
WL-DEB-031	0.044	0.044	0.044	0.044	0.044	100	Complete Infilling
WL-DEB-036	0.091	0.089	0.091	0.091	0.089	97	Partial Infilling
WL-DEB-037	1.248	0.276	1.248	1.248	0.276	22	Partial Infilling
WL-DEB-038	0.016	0.016	0.016	0.016	0.016	100	Complete Infilling
WL-DEB-038A	0.013	0.013	0.013	0.013	0.013	100	Complete Infilling
WL-DEB-041	0.119	0.008	0.119	0.119	0.008	7	Partial Infilling
WL-DEB-043	0.292	0.285	0.292	0.292	0.285	98	Partial Infilling
WL-DEB-044	0.069	0.055	0.069	0.069	0.055	80	Partial Infilling
WL-DEB-046	0.067	0.040	0.067	0.067	0.040	60	Partial Infilling
WL-DEB-047	0.064	0.064	0.064	0.064	0.064	100	Complete Infilling
WL-DEB-055	2.281	0.637	2.281	2.281	0.637	28	Partial Infilling
WL-DEB-055A	0.224	0.210	0.224	0.224	0.210	94	Partial Infilling
WL-DEB-055C	0.080	0.067	0.080	0.080	0.067	83	Partial Infilling
WL-DEB-055D	0.019	0.019	0.019	0.019	0.019	100	Complete Infilling
WL-DEB-060	0.556	0.289	0.556	0.556	0.289	52	Partial Infilling
WL-DEB-063A	0.078	0.072	0.078	0.078	0.072	92	Partial Infilling
WL-DEB-067	2.325	0.537	2.325	2.325	0.537	23	Partial Infilling
WL-DEB-067A	0.066	0.066	0.066	0.066	0.066	100	Complete Infilling
WL-DEB-073	0.110	0.054	0.110	0.110	0.054	49	Partial Infilling
WL-DEB-076	0.121	0.121	0.121	0.121	0.121	100	Complete Infilling
WL-DEB-078	3.236	0.577	3.236	3.236	0.577	18	Partial Infilling
WL-DEB-079	0.510	0.228	0.510	0.510	0.228	45	Partial Infilling
WL-DEB-082	0.016	0.016	0.016	0.016	0.016	100	Complete Infilling
WL-DEB-083	0.084	0.084	0.084	0.084	0.084	100	Complete Infilling
WL-DEB-085	1.494	0.321	1.494	1.494	0.321	21	Partial Infilling
WL-DEB-086	0.036	0.036	0.036	0.036	0.036	100	Complete Infilling
WL-DEB-089A	0.053	0.053	0.053	0.053	0.053	100	Complete Infilling
WL-DEB-091	0.188	0.175	0.188	0.188	0.175	93	Partial Infilling
WL-DEB-092	1.455	0.278	1.455	1.455	0.278	19	Partial Infilling
WL-DEB-093	0.084	0.071	0.084	0.084	0.071	84	Partial Infilling
WL-DEB-095	0.076	0.076	0.076	0.076	0.076	100	Complete Infilling
WL-DEB-098	0.025	0.016	0.025	0.025	0.016	65	Partial Infilling
WL-DEB-102	0.057	0.057	0.057	0.057	0.057	100	Complete Infilling
WL-DEB-109A	0.027	0.027	0.027	0.027	0.027	100	Complete Infilling
WL-DEB-112	0.077	0.001	0.077	0.077	0.001	2	Partial Infilling
WL-DEB-116	0.010	0.008	0.010	0.010	0.008	81	Partial Infilling
WL-DEB-119	0.144	0.144	0.144	0.144	0.144	100	Complete Infilling
WL-DEB-121	1.574	0.070	1.574	1.574	0.070	4	Partial Infilling
WL-DEB-124	0.120	0.068	0.120	0.120	0.068	57	Partial Infilling
WL-DEB-129	0.443	0.106	0.443	0.443	0.106	24	Partial Infilling
WL-DEB-135	0.117	0.056	0.117	0.117	0.056	48	Partial Infilling
WL-DEB-136	0.223	0.151	0.223	0.223	0.151	68	Partial Infilling
WL-DEB-141	0.051	0.051	0.051	0.051	0.051	100	Complete Infilling
WL-DEB-142	0.038	0.012	0.038	0.038	0.012	33	Partial Infilling
WL-DEB-144	2.072	1.344	2.072	2.072	1.344	65	Partial Infilling
WL-DEB-156	3.383	0.127	3.383	3.383	0.127	4	Partial Infilling
WL-DEB-157	0.767	0.534	0.767	0.767	0.534	70	Partial Infilling
WL-DEB-160	0.168	0.128	0.168	0.168	0.128	76	Partial Infilling
WL-DEB-162	0.313	0.033	0.313	0.313	0.033	11	Partial Infilling
WL-DEB-165	0.206	0.194	0.206	0.206	0.194	94	Partial Infilling
WL-DEB-166	0.106	0.037	0.106	0.106	0.037	35	Partial Infilling
WL-DEB-168	0.180	0.073	0.180	0.180	0.073	41	Partial Infilling
WL-DEB-169	0.069	0.023	0.069	0.069	0.023	33	Partial Infilling
WL-DEB-170	0.167	0.043	0.167	0.167	0.043	26	Partial Infilling
WL-DEB-180	0.070	0.070	0.070	0.070	0.070	100	Complete Infilling
WL-DEB-181	0.121	0.031	0.121	0.121	0.031	26	Partial Infilling
WL-DEB-182	0.528	0.477	0.528	0.528	0.477	90	Partial Infilling
WL-DEB-184	0.030	0.030	0.030	0.030	0.030	100	Complete Infilling
WL-DEB-189	0.140	0.062	0.140	0.140	0.062	44	Partial Infilling
WL-DEB-193	2.476	0.749	2.476	2.476	0.749	30	Partial Infilling
WL-DEB-196	0.068	0.068	0.068	0.068	0.068	100	Complete Infilling
WL-DEB-200	0.194	0.150	0.194	0.194	0.150	77	Partial Infilling
WL-DEB-208	0.025	0.025	0.025	0.025	0.025	100	Complete Infilling
WL-DEB-210	0.084	0.078	0.084	0.084	0.078	93	Partial Infilling
WL-DEB-213	2.063	0.080	2.063	2.063	0.080	4	Partial Infilling
WL-DEB-214	0.241	0.060	0.241	0.241	0.060	25	Partial Infilling
WL-DEB-217	34.696	2.187	18.888	30.885	2.187	6	Partial Infilling
WL-DEB-218	0.546	0.023	0.546	0.546	0.023	4	Partial Infilling
WL-DEB-219	0.192	0.181	0.192	0.192	0.181	94	Partial Infilling
WL-DEB-221	0.172	0.131	0.172	0.172	0.131	76	Partial Infilling
WL-DEB-224	0.059	0.055	0.059	0.059	0.055	94	Partial Infilling
WL-DEB-228	5.077	0.549	5.077	5.077	0.549	11	Partial Infilling

Wetland ID	Total Area (ha)	Area Within PDA (ha)	Area within LAA (ha)	Area Within RAA (ha)	Area of Impact	% of Alteration	Type of Alteration
WL-DEB-234	0.124	0.091	0.124	0.124	0.091	73	Partial Infilling
WL-DEB-237	0.084	0.041	0.084	0.084	0.041	49	Partial Infilling
WL-DEB-238	4.981	0.213	4.981	4.981	0.213	4	Partial Infilling
WL-DEB-240	0.078	0.078	0.078	0.078	0.078	100	Complete Infilling
WL-DEB-243	0.164	0.023	0.164	0.164	0.023	14	Partial Infilling
WL-DEB-247	0.144	0.144	0.144	0.144	0.144	100	Complete Infilling
WL-DEB-251	0.209	0.097	0.209	0.209	0.097	46	Partial Infilling
WL-DEB-252	0.537	0.238	0.537	0.537	0.238	44	Partial Infilling
WL-DEB-253	0.287	0.125	0.287	0.287	0.125	44	Partial Infilling
WL-DEB-255	0.112	0.009	0.112	0.112	0.009	8	Partial Infilling
WL-DEB-256	0.125	0.125	0.125	0.125	0.125	100	Complete Infilling
WL-DEB-262	0.082	0.016	0.082	0.082	0.016	19	Partial Infilling
WL-DEB-263	0.857	0.778	0.857	0.857	0.778	91	Partial Infilling
WL-DEB-263A	0.033	0.033	0.033	0.033	0.033	100	Complete Infilling
WL-DEB-264	10.811	0.136	6.280	10.811	0.136	1	Partial Infilling
WL-DEB-265	0.037	0.034	0.037	0.037	0.034	91	Partial Infilling
WL-DEB-266	0.190	0.095	0.190	0.190	0.095	50	Partial Infilling
WL-DEB-267	0.896	0.241	0.896	0.896	0.241	27	Partial Infilling
WL-DEB-268	0.104	0.067	0.104	0.104	0.067	64	Partial Infilling
WL-DEB-269	0.053	0.045	0.053	0.053	0.045	84	Partial Infilling
WL-DEB-273	0.516	0.408	0.516	0.516	0.408	79	Partial Infilling
WL-DEB-275	1.519	1.391	1.519	1.519	1.391	92	Partial Infilling
WL-DEB-276	0.171	0.163	0.171	0.171	0.163	95	Partial Infilling
WL-DEB-276A	0.152	0.087	0.152	0.152	0.087	57	Partial Infilling
WL-DEB-276B	0.123	0.119	0.123	0.123	0.119	97	Partial Infilling
WL-DEB-276C	0.046	0.046	0.046	0.046	0.046	100	Complete Infilling
WL-DEB-276D	0.028	0.016	0.028	0.028	0.016	58	Partial Infilling
WL-DEB-276E	0.036	0.036	0.036	0.036	0.036	100	Complete Infilling
WL-DEB-276F	0.179	0.178	0.179	0.179	0.178	100	Partial Infilling
WL-DEB-277	0.064	0.015	0.064	0.064	0.015	24	Partial Infilling
WL-DEB-286	0.070	0.070	0.070	0.070	0.070	100	Complete Infilling
WL-DEB-287	0.141	0.138	0.141	0.141	0.138	98	Partial Infilling
WL-DEB-288	2.813	0.132	2.813	2.813	0.132	5	Partial Infilling
WL-DEB-291	0.163	0.149	0.163	0.163	0.149	92	Partial Infilling
WL-DEB-292	0.029	0.020	0.029	0.029	0.020	68	Partial Infilling
WL-DEB-293	0.088	0.028	0.088	0.088	0.028	31	Partial Infilling
WL-DEB-295	0.087	0.082	0.087	0.087	0.082	93	Partial Infilling
WL-DEB-296	1.020	0.063	1.020	1.020	0.063	6	Partial Infilling
WL-DEB-297	0.358	0.301	0.358	0.358	0.301	84	Partial Infilling
WL-DEB-298A	0.140	0.140	0.140	0.140	0.140	100	Complete Infilling
WL-DEB-299	0.034	0.029	0.034	0.034	0.029	84	Partial Infilling
WL-DEB-300	0.089	0.089	0.089	0.089	0.089	100	Complete Infilling
WL-DEB-303A	0.100	0.100	0.100	0.100	0.100	100	Partial Infilling
WL-DEB-305	0.212	0.202	0.212	0.212	0.202	95	Partial Infilling
WL-DEB-306	0.096	0.096	0.096	0.096	0.096	100	Partial Infilling
WL-DEB-308	0.145	0.003	0.145	0.145	0.003	2	Partial Infilling
WL-DEB-308A	0.428	0.042	0.428	0.428	0.042	10	Partial Infilling
WL-DEB-309	0.307	0.157	0.307	0.307	0.157	51	Partial Infilling
WL-DEB-314	0.453	0.050	0.453	0.453	0.050	11	Partial Infilling
WL-DEB-315	1.249	0.491	1.249	1.249	0.491	39	Partial Infilling
WL-DEB-318	0.270	0.155	0.270	0.270	0.155	57	Partial Infilling
WL-DEB-319	0.148	0.017	0.148	0.148	0.017	11	Partial Infilling
WL-DEB-323	0.557	0.090	0.557	0.557	0.090	16	Partial Infilling
WL-DEB-324	2.626	1.259	2.626	2.626	1.259	48	Partial Infilling
WL-DEB-325	0.053	0.053	0.053	0.053	0.053	100	Complete Infilling
WL-DEB-326	1.008	0.048	1.008	1.008	0.048	5	Partial Infilling
WL-DEB-327	1.654	0.269	1.654	1.654	0.269	16	Partial Infilling
WL-DEB-328	0.200	0.169	0.200	0.200	0.169	84	Partial Infilling
WL-DEB-329	3.570	0.165	3.570	3.570	0.165	5	Partial Infilling
WL-DEB-331	0.594	0.198	0.594	0.594	0.198	33	Partial Infilling
WL-DEB-333	0.233	0.052	0.233	0.233	0.052	22	Partial Infilling
WL-DEB-334	0.268	0.037	0.268	0.268	0.037	14	Partial Infilling
WL-DEB-335	0.637	0.206	0.637	0.637	0.206	32	Partial Infilling
WL-DEB-337	0.323	0.015	0.323	0.323	0.015	5	Partial Infilling
WL-DEB-339	0.279	0.172	0.279	0.279	0.172	62	Partial Infilling
WL-DEB-340	16.660	0.261	16.175	16.660	0.261	2	Partial Infilling
WL-DEB-341	0.128	0.080	0.128	0.128	0.080	63	Partial Infilling
WL-DEB-343	0.089	0.085	0.089	0.089	0.085	95	Partial Infilling
WL-DEB-343A	0.071	0.071	0.071	0.071	0.071	100	Complete Infilling
WL-DEB-344	0.520	0.172	0.520	0.520	0.172	33	Partial Infilling
WL-DEB-344A	0.077	0.077	0.077	0.077	0.077	100	Complete Infilling
WL-DEB-345	0.447	0.361	0.447	0.447	0.361	81	Partial Infilling
WL-DEB-346	0.422	0.089	0.422	0.422	0.089	21	Partial Infilling
WL-DEB-349	0.035	0.035	0.035	0.035	0.035	100	Complete Infilling
WL-DEB-350	0.050	0.042	0.050	0.050	0.042	83	Partial Infilling
WL-DEB-351	0.408	0.196	0.408	0.408	0.196	48	Partial Infilling
WL-DEB-352	3.881	0.275	3.881	3.881	0.275	7	Partial Infilling
WL-DEB-353	2.159	0.060	2.159	2.159	0.060	3	Partial Infilling
WL-DEB-354	1.580	0.016	1.580	1.580	0.016	1	Partial Infilling
WL-DEB-355	0.596	0.059	0.596	0.596	0.059	10	Partial Infilling
WL-DEB-356	0.394	0.107	0.394	0.394	0.107	27	Partial Infilling
WL-DEB-357	0.064	0.017	0.064	0.064	0.017	27	Partial Infilling
WL-DEB-358	0.187	0.176	0.187	0.187	0.176	94	Partial Infilling

Wetland ID	Total Area (ha)	Area Within PDA (ha)	Area within LAA (ha)	Area Within RAA (ha)	Area of Impact	% of Alteration	Type of Alteration
WL-DEB-360	0.348	0.233	0.348	0.348	0.233	67	Partial Infilling
WL-DEB-362	0.031	0.001	0.031	0.031	0.001	4	Partial Infilling
WL-DEB-365	0.998	0.440	0.998	0.998	0.440	44	Partial Infilling
WL-DEB-367	0.344	0.059	0.344	0.344	0.059	17	Partial Infilling
WL-FOL-004	0.093	0.093	0.093	0.093	0.093	100	Complete Infilling
WL-FOL-019	2.091	0.462	2.091	2.091	0.462	22	Partial Infilling
WL-FOL-020	1.319	0.254	1.319	1.319	0.254	19	Partial Infilling
WL-FOL-027	10.692	0.927	10.692	10.692	0.927	9	Partial Infilling
WL-FOL-028	0.041	0.041	0.041	0.041	0.041	100	Complete Infilling
WL-FOL-029	0.077	0.073	0.077	0.077	0.073	95	Partial Infilling
WL-FOL-034	0.153	0.091	0.153	0.153	0.091	59	Partial Infilling
WL-FOL-034A	0.009	0.009	0.009	0.009	0.009	100	Complete Infilling
WL-FOL-036	0.884	0.372	0.884	0.884	0.372	42	Partial Infilling
WL-FOL-038	0.203	0.005	0.203	0.203	0.005	3	Partial Infilling
WL-FOL-046	2.150	0.013	2.150	2.150	0.013	1	Partial Infilling
WL-FOL-049	0.039	0.019	0.039	0.039	0.039	50	Complete Infilling
WL-FOL-051	0.100	0.051	0.100	0.100	0.088	51	Partial Infilling
WL-FOL-054	0.069	0.046	0.069	0.069	0.046	68	Partial Infilling
WL-FOL-056	0.598	0.117	0.598	0.598	0.117	20	Partial Infilling
WL-FOL-058	0.369	0.270	0.369	0.369	0.270	73	Partial Infilling
WL-FOL-062	0.391	0.367	0.391	0.391	0.367	94	Partial Infilling
WL-FOL-062A	0.063	0.063	0.063	0.063	0.063	100	Complete Infilling
WL-FOL-065	0.172	0.123	0.172	0.172	0.123	72	Partial Infilling
WL-FOL-075	0.537	0.537	0.537	0.537	0.537	100	Complete Infilling
WL-FOL-075A	0.032	0.032	0.032	0.032	0.032	100	Complete Infilling
WL-FOL-076	0.708	0.708	0.708	0.708	0.708	100	Complete Infilling
WL-FOL-077	0.496	0.016	0.496	0.496	0.016	3	Partial Infilling
WL-FOL-078	12.123	2.819	12.123	12.123	2.819	23	Partial Infilling
WL-FOL-079	2.480	0.377	2.480	2.480	0.377	15	Partial Infilling
WL-FOL-079A	0.379	0.098	0.379	0.379	0.098	26	Partial Infilling
WL-FOL-082	0.055	0.054	0.055	0.055	0.054	99	Partial Infilling
WL-FOL-085A	0.041	0.018	0.041	0.041	0.018	44	Partial Infilling
WL-FOL-091	0.367	0.034	0.367	0.367	0.034	9	Partial Infilling
WL-FOL-092	0.093	0.093	0.093	0.093	0.093	100	Complete Infilling
WL-FOL-093	0.082	0.082	0.082	0.082	0.082	100	Complete Infilling
WL-FOL-094	0.336	0.003	0.336	0.336	0.003	1	Partial Infilling
WL-FOL-095	0.124	0.093	0.124	0.124	0.093	75	Partial Infilling
WL-FOL-096	0.247	0.139	0.247	0.247	0.139	56	Partial Infilling
WL-FOL-099	1.486	0.415	1.486	1.486	0.415	28	Partial Infilling
WL-FOL-100	0.556	0.249	0.556	0.556	0.249	45	Partial Infilling
WL-FOL-100A	0.021	0.021	0.021	0.021	0.021	100	Complete Infilling
WL-FOL-100B	0.031	0.031	0.031	0.031	0.031	100	Complete Infilling
WL-FOL-100C	0.025	0.025	0.025	0.025	0.025	100	Complete Infilling
WL-FOL-100D	0.039	0.039	0.039	0.039	0.039	100	Complete Infilling
WL-FOL-100F	0.053	0.053	0.053	0.053	0.053	100	Complete Infilling
WL-FOL-101	0.071	0.071	0.071	0.071	0.071	100	Complete Infilling
WL-FOL-102	0.087	0.078	0.087	0.087	0.078	90	Partial Infilling
WL-FOL-105	0.802	0.341	0.802	0.802	0.341	43	Partial Infilling
WL-FOL-106	0.066	0.066	0.066	0.066	0.066	100	Complete Infilling
WL-FOL-110	0.832	0.454	0.832	0.832	0.454	55	Partial Infilling
WL-FOL-111	0.070	0.059	0.070	0.070	0.059	84	Partial Infilling
WL-FOL-113	0.055	0.055	0.055	0.055	0.055	100	Complete Infilling
WL-FOL-114	1.007	0.243	1.007	1.007	0.243	24	Partial Infilling
WL-FOL-115	0.139	0.139	0.139	0.139	0.139	100	Complete Infilling
WL-FOL-117	0.021	0.017	0.021	0.021	0.017	85	Partial Infilling
WL-FOL-120	0.059	0.059	0.059	0.059	0.059	100	Complete Infilling
WL-FOL-129	0.021	0.021	0.021	0.021	0.021	100	Complete Infilling
WL-FOL-2163	0.095	0.083	0.095	0.095	0.083	88	Partial Infilling
WL-FOL-2164	0.103	0.081	0.103	0.103	0.081	79	Partial Infilling
WL-FOL-2165	0.742	0.022	0.742	0.742	0.022	3	Partial Infilling
WL-FOL-2166	0.330	0.239	0.330	0.330	0.239	73	Partial Infilling
WL-FOL-2167	0.048	0.048	0.048	0.048	0.048	100	Complete Infilling
WL-FOL-2433	0.603	0.181	0.603	0.603	0.181	30	Partial Infilling
WL-FOL-2434	0.573	0.230	0.573	0.573	0.230	40	Partial Infilling
WL-FOL-2435	0.506	0.107	0.506	0.506	0.107	21	Partial Infilling
WL-FOL-2436	0.387	0.223	0.387	0.387	0.223	58	Partial Infilling
WL-FOL-2439	0.245	0.185	0.245	0.245	0.185	75	Partial Infilling
WL-FOL-2440	0.135	0.080	0.135	0.135	0.080	59	Partial Infilling
WL-FOL-2443	0.101	0.006	0.101	0.101	0.006	6	Partial Infilling
WL-FOL-2445	0.117	0.007	0.117	0.117	0.007	6	Partial Infilling
WL-FOL-2446	0.152	0.109	0.152	0.152	0.109	72	Partial Infilling
WL-FOL-2447	0.038	0.038	0.038	0.038	0.038	100	Complete Infilling
WL-FOL-2448	0.046	0.037	0.046	0.046	0.037	79	Partial Infilling
WL-FOL-2450	0.105	0.091	0.105	0.105	0.091	87	Partial Infilling
WL-FOL-2453	0.069	0.036	0.069	0.069	0.036	52	Partial Infilling
WL-FOL-2481	3.681	0.445	3.681	3.681	0.445	12	Partial Infilling
WL-FOL-2482	2.633	0.300	2.633	2.633	0.300	11	Partial Infilling
WL-FOL-2483	2.113	0.219	2.113	2.113	0.219	10	Partial Infilling
WL-FOL-2484	0.420	0.347	0.420	0.420	0.347	83	Partial Infilling
WL-FOL-2485	0.906	0.447	0.906	0.906	0.447	49	Partial Infilling
WL-FOL-2487	1.087	0.172	1.087	1.087	0.172	16	Partial Infilling
WL-FOL-2488	1.212	0.284	1.212	1.212	0.284	23	Partial Infilling
WL-FOL-2489	1.349	0.569	1.349	1.349	0.569	42	Partial Infilling

Wetland ID	Total Area (ha)	Area Within PDA (ha)	Area within LAA (ha)	Area Within RAA (ha)	Area of Impact	% of Alteration	Type of Alteration
WL-FOL-2490	0.610	0.225	0.610	0.610	0.225	37	Partial Infilling
WL-FOL-2492	1.041	0.271	1.041	1.041	0.271	26	Partial Infilling
WL-FOL-2494	0.496	0.279	0.496	0.496	0.279	56	Partial Infilling
WL-FOL-2495	0.223	0.211	0.223	0.223	0.211	95	Partial Infilling
WL-FOL-2497	0.216	0.055	0.216	0.216	0.055	25	Partial Infilling
WL-FOL-2501	0.390	0.256	0.390	0.390	0.256	65	Partial Infilling
WL-FOL-2503A	0.044	0.027	0.044	0.044	0.027	61	Partial Infilling
WL-FOL-2513	0.052	0.012	0.052	0.052	0.012	23	Partial Infilling
WL-FOL-2521	3.684	0.109	3.684	3.684	0.109	3	Partial Infilling
WL-FOL-2522	5.235	0.858	5.235	5.235	0.858	16	Partial Infilling
WL-FOL-5000	0.126	0.123	0.126	0.126	0.123	98	Partial Infilling
WL-FOL-5001	0.073	0.004	0.073	0.073	0.004	6	Partial Infilling
WL-FRE-033	0.012	0.012	0.012	0.012	0.012	100	Complete Infilling
WL-FRE-033A	0.017	0.017	0.017	0.017	0.017	100	Complete Infilling
WL-WAL-005	0.064	0.064	0.064	0.064	0.064	100	Complete Infilling
WL-WAL-008	0.046	0.046	0.046	0.046	0.046	100	Complete Infilling
WL-WAL-011	0.186	0.178	0.186	0.186	0.178	96	Partial Infilling
WL-WAL-017	0.224	0.112	0.224	0.224	0.112	50	Partial Infilling
WL-WAL-018	1.458	0.463	1.458	1.458	0.463	32	Partial Infilling
WL-WAL-023	0.649	0.308	0.649	0.649	0.308	47	Partial Infilling
WL-WAL-025	0.380	0.026	0.380	0.380	0.026	7	Partial Infilling
WL-WAL-027	0.416	0.265	0.416	0.416	0.265	64	Partial Infilling
WL-WAL-027A	0.015	0.015	0.015	0.015	0.015	100	Complete Infilling
WL-WAL-032	0.127	0.001	0.127	0.127	0.001	1	Partial Infilling
WL-WAL-034	0.037	0.037	0.037	0.037	0.037	100	Complete Infilling
WL-WAL-037	5.266	0.603	5.266	5.266	0.603	11	Partial Infilling
WL-WAL-039	0.479	0.039	0.479	0.479	0.039	8	Partial Infilling
WL-WAL-040	0.078	0.016	0.078	0.078	0.016	21	Partial Infilling
WL-WAL-042	0.176	0.028	0.176	0.176	0.028	16	Partial Infilling
WL-WAL-047	0.040	0.040	0.040	0.040	0.040	100	Complete Infilling
WL-WAL-052	0.168	0.168	0.168	0.168	0.168	100	Complete Infilling
WL-WAL-064	7.687	0.429	7.687	7.687	0.429	6	Partial Infilling
WL-WAL-072	1.130	0.072	1.130	1.130	0.072	6	Partial Infilling
WL-WAL-074	0.192	0.184	0.192	0.192	0.184	96	Partial Infilling
WL-WAL-081	0.533	0.068	0.533	0.533	0.068	13	Partial Infilling