WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: RES Sample Date: 28-Sep-26

Wetland Evaluator(s): Sophie Jensen

Wetland ID: **WL01**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20N391273E JTM E (m) 5040307N Slope (%): 2

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

Landscape Type: ☐ Marine ☐ Estuarine ☐ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☐ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☐ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:
roadside adjacent to 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)
0-19cm	7.5YR 3/3	100					Sandy Loam	
19cm+								gravel 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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm): 15
- ☐ 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	2	
2							
3							
4							
5							
6							
					TOTAL %	2	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	10	YES
2	prunpens	*Prunus pensylvanica*	Pin Cherry	S5	FACU	10	YES
3	betupopu	*Betula populifolia*	Gray Birch	S5	FAC	2	
4	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	2	
5							
					TOTAL %	24	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	dantspic	*Danthonia spicata*	Poverty Oat Grass	S5	FACU	18	YES
2	solicana	*Solidago canadensis*	Canada Goldenrod	S4S5	FAC	3	
3	trifarve	*Trifolium arvense*	Rabbit's-foot Clover	SNA	UPL	5	
4							
5							
6							
					TOTAL %	26	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 19
FACU 28
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	3.73	Non-Hydrophytic Vegetation
Dominance Test	80%	Hydrophytic Vegetation Present

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: RES Sample Date: 28-Sep-26

Wetland Evaluator(s): Sophie Jensen

Wetland ID: **WL01**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20N391271E JTM E (m) 5040316N Slope (%): 2

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

Landscape Type: ☐ Marine ☐ Estuarine ☑ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☑ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☐ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:
riparian wetland along permanent watercourse on Map 1, wetland is within larger riparian floodplain.

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)
0-43cm	7.5YR 2.5/3	100					Silty Clay	

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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm): 15
- ☐ 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	
2							
3							
4							
5							
6							
					TOTAL %	5	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	alnuinca	*Alnus incana*	Speckled Alder	S5	FACW	65	YES
2	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	10	
3	rubuidae	*Rubus idaeus*	Red Raspberry	S5	FAC	15	
4							
5							
					TOTAL %	90	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	onocsens	*Onoclea sensibilis*	Sensitive Fern	S5	FACW	55	YES
2	glycstri	*Glyceria striata*	Fowl Manna Grass	S5	FACW	10	
3	calacana	*Calamagrostis canadensis*	Bluejoint Reed Grass	S5	FACW	10	
4	doelumbe	*Doellingeria umbellata*	Hairy Flat-top White Aster	S5	FAC	10	
5							
6							
					TOTAL %	85	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 140
FAC 40
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	2.22	Hydrophytic Vegetation Present
Dominance Test	80%	Hydrophytic Vegetation Present

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: RES Sample Date: Sept. 29, 2026

Wetland Evaluator(s): Sophie Jensen

Wetland ID: **WL03**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20N391781E JTM E (m) 5036653N Slope (%): 2

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

Landscape Type: ☐ Marine ☐ Estuarine ☑ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☑ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☑ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:
forested swamp with several overland drainage ditches with flow accumulating in a shallow pool before flowing over ATV trail (needs culvert)

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)
0-3cm								undecomposed organics
3-5cm	7.5YR 3/4	100					Sandy Loam	
5-11cm	7.5YR 3/2	100					Sandy Loam	
11cm+								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.

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

- ☐ Surface Water (A1) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	
3	picerube	*Picea rubens*	Red Spruce	S5	FAC	15	
4	betupopu	*Betula populifolia*	Gray Birch	S5	FAC	20	YES
5							
6							
					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	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	10	YES
3							
4							
5							
					TOTAL %	45	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	25	YES
2	aralnudi	*Aralia nudicaulis*	Wild Sarsaparilla	S5	FAC	10	YES
3	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	5	
4							
5							
6							
					TOTAL %	40	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 165
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	Hydrophytic Vegetation Present
Dominance Test	80%	Hydrophytic Vegetation Present

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: RES Sample Date:

Wetland Evaluator(s): Sophie Jensen

Wetland ID: **WL03**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) Long (DD) Elevation (m):

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20N391781E JTM E (m) 5036653N Slope (%): 2

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

Landscape Type: ☐ Marine ☐ Estuarine ☑ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☑ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☑ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:
forested swamp with several overland drainage ditches with flow accumulating in a shallow pool before flowing over ATV trail (needs culvert)

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)
0-18cm								undecomposed organics
18cm+								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) Depth (cm): 12
- ☑ High Water Table (A2) Depth (cm): 10
- ☑ Saturation (A3) Depth (cm): 10
- ☐ 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	60	YES
2	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	15	YES
3							
4							
5							
6							
					TOTAL %	75	

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	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	15	YES
3							
4							
5							
					TOTAL %	30	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	caretris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	8	YES
2	onocsens	*Onoclea sensibilis*	Sensitive Fern	S5	FACW	5	YES
3	copttrif	*Coptis trifolia*	Goldthread	S5	FAC	2	
4							
5							
6							
					TOTAL %	15	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 8
FACW 5
FAC 107
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	2.83	Hydrophytic Vegetation Present
Dominance Test	80%	Hydrophytic Vegetation Present

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: RES Sample Date: Sept. 29, 2026

Wetland Evaluator(s): Sophie Jensen

Wetland ID: **WL04**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20N389849E JTM E (m) 5039277N Slope (%): 2

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

Landscape Type: ☐ Marine ☐ Estuarine ☐ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☐ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☐ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:
upland between wetland and road upslope

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)
0-9cm								undecomposed organics
9-15cm	7.5YR 3/4	100					Sandy Loam	
15cm+								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	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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	
2	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	10	
3							
4							
5							
6							
					TOTAL %	50	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	acerpens	*Acer pensylvanicum*	Striped Maple	S5	FACU	5	YES
2	picerube	*Picea rubens*	Red Spruce	S5	FAC	5	YES
3							
4							
5							
					TOTAL %	10	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1							
2							
3							
4							
5							
6							
					TOTAL %	0	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 55
FACU 5
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	3.08	Non-Hydrophytic Vegetation
Dominance Test	80%	Hydrophytic Vegetation Present

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: RES Sample Date: Sept. 29, 2026

Wetland Evaluator(s): Sophie Jensen

Wetland ID: **WL04**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20N389845E JTM E (m) 5039270N Slope (%): 2

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

Landscape Type: ☐ Marine ☐ Estuarine ☑ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☑ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☑ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:
forested swamp with several overland drainage ditches with flow accumulating in a shallow pool before flowing over ATV trail (needs culvert)

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)
0-14cm	5YR 3/3	100					Sandy Clay	
14-30cm	5YR 2.5/1	100					Silty Clay	
30cm+								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) Depth (cm): 8
- ☑ High Water Table (A2) Depth (cm): 10
- ☑ Saturation (A3) Depth (cm): 5
- ☐ 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	15	YES
2	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	15	YES
3	picerube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
4	picemari	*Picea mariana*	Black Spruce	S5	FACW	5	
5							
6							
					TOTAL %	50	

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	kalmangu	*Kalmia angustifolia*	Sheep Laurel	S5	FAC	5	YES
3	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	YES
4							
5							
					TOTAL %	20	

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	glycmeli	*Glyceria melicaria*	Slender Manna Grass	S4	OBL	20	YES
3	rubuhisp	*Rubus hispidus*	Bristly Dewberry	S5	FACW	15	YES
4							
5							
6							
					TOTAL %	65	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 20
FACW 20
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	2.56	Hydrophytic Vegetation Present
Dominance Test	80%	Hydrophytic Vegetation Present

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: Northland Power Inc. Sample Date: 06-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL05**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 392113E JTM E (m) 5036298N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☐ Throughflow ☑ Tidal Soil Map Unit Name: Gibraltar (G)

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		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
0-8								Organic
8-19	2.5YR 3/3	100					Loamy Sand	
19-34	2.5YR 3/4	1000					Loamy Sand	
34								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	30	YES
3	picerube	*Picea rubens*	Red Spruce	S5	FAC	20	YES
4							
5							
6							
					TOTAL %	65	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	picerube	*Picea rubens*	Red Spruce	S5	FAC	3	YES
2	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	1	YES
3							
4							
5							
					TOTAL %	4	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	5	YES
2	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	5	YES
3	amaunove	*Amauropelta noveboracensis*	New York Fern	S5	FAC	10	YES
4							
5							
6							
					TOTAL %	20	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 89
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	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: Northland Power Inc. Sample Date: 06-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL05**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 392103E UTM E (m) 5036309N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Gibraltar (G)

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)
0-10								Organic
10-34	10YR 3/2	95		5			Sand	

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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☑ 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	(none)						
2							
3							
4							
5							
6							
					TOTAL %	0	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	alnuinca	*Alnus incana*	Speckled Alder	S5	FACW	40	YES
2	rubuidae	*Rubus idaeus*	Red Raspberry	S5	FAC	2	
3							
4							
5							
					TOTAL %	42	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	glycmeli	*Glyceria melicaria*	Slender Manna Grass	S4	OBL	60	YES
2	solirugo	*Solidago rugosa*	Rough-stemmed Goldenrod	S5	FAC	5	
3	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	5	
4	junceffu	*Juncus effusus*	Soft Rush	S5	FACW	2	
5							
6							
					TOTAL %	72	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 60
FACW 42
FAC 12
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	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Muni./County: Cumberland | Wetland ID: **WL06**

Applicant/Owner: Northland Power Inc. | Sample Date: 06-Oct-26 | Plot Type: ☐ Wetland ☑ Upland

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland Plot Coordinates: Lat (DD): | Long (DD): | Elevation (m):

Datum: ☐ WGS84 ☑ NAD83 | UTM N (m): 392129.4581 | UTM E (m): 5035215.832 | Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal | Soil Map Unit Name: Queens (Q)

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:
Area has been cleared

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								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	10	YES
3	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	
4							
5							
6							
					TOTAL %	35	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	5	YES
2	vaccangu	*Vaccinium angustifolium*	Late Lowbush Blueberry	S5	FAC	5	YES
3	picerube	*Picea rubens*	Red Spruce	S5	FAC	35	YES
4	ilexmucr	*Ilex mucronata*	Mountain Holly	S5	OBL	5	YES
5							
					TOTAL %		

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	5	YES
2							
3							
4							
5							
6							
					TOTAL %	5	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 5
FACW 0
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	2.89	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municipality/County: Cumberland | Wetland ID: **WL06**

Applicant/Owner: Northland Power Inc. | Sample Date: 06-Oct-26 | Plot Type: ☑ Wetland ☐ Upland

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland Plot Coordinates: Lat (DD) 45.462133 Long (DD) -64.379631 Elevation (m): ____

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

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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:
Edge of clearcut

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)
0-41								Organic
41								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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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	10	YES
2	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	10	YES
3	picerube	*Picea rubens*	Red Spruce	S5	FAC	40	YES
4							
5							
6							
					TOTAL %	60	

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	picerube	*Picea rubens*	Red Spruce	S5	FAC	5	
3	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	1	
4	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	5	
5	ilexmucr	*Ilex mucronata*	Mountain Holly	S5		2	
					TOTAL %		

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	caretris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	35	YES
2							
3							
4							
5							
6							
					TOTAL %	35	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL	35
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	2.40	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power Inc. | Sample Date: 06-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL07**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 389451E JTM E (m) 5041047 N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Gibraltar (G)

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		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
0-50	2.5YR 3/4	100					Loamy Sand	

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.

WETLAND HYDROLOGY INDICATORS

Primary (One required; check all that apply)

- ☐ Surface Water (A1) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	betupapy	*Betula papyrifera*	Paper Birch	S5	FACU	10	YES
2	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	15	YES
3	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	20	YES
4							
5							
6							
					TOTAL %	45	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	rubualle	*Rubus allegheniensis*	Alleghaney Blackberry	S5	FACU	10	
2	poputrem	*Populus tremuloides*	Trembling Aspen	S5	FAC	5	
3	alnuinca	*Alnus incana*	Speckled Alder	S5	FACW	3	
4	vibucass	*Viburnum cassinoides*	Northern Wild Raisin	S5	FACW	10	
5	vaccangu	*Vaccinium angustifolium*	Late Lowbush Blueberry	S5	FAC	5	
					TOTAL %		

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	euthgram	*Euthamia graminifolia*	Grass-leaved Goldenrod	S5	FAC	10	YES
2	solirugo	*Solidago rugosa*	Rough-stemmed Goldenrod	S5	FAC	5	YES
3	potesimp	*Potentilla simplex*	Old Field Cinquefoil	S5	UPL	5	YES
4	pteraqui	*Pteridium aquilinum*	Bracken Fern	S5	FACU	5	YES
5							
6							
					TOTAL %	25	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

UBL	0
FACW	13
FAC	60
FACU	25
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	3.21	Non-Hydrophytic
Dominance Test	57%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay Municipality/County: Cumberland

Applicant/Owner: Northland Power Inc. Sample Date: 07-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL07**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.514103 Long (DD) -64.415358 Elevation (m): _____

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

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
0-36	7.5YR 3/2	100					Sandy Loam	
36								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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☑ 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	betupopu	*Betula populifolia*	Gray Birch	S5	FAC	20	YES
2	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	15	YES
3	picerube	*Picea rubens*	Red Spruce	S5	FAC	5	
4	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	15	YES
5							
6							
					TOTAL %	55	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	alnuinca	*Alnus incana*	Speckled Alder	S5	FACW	15	YES
2	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	2	
3	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	
4	vibucass	*Viburnum cassinoides*	Northern Wild Raisin	S5	FACW	2	
5							
					TOTAL %		

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	20	YES
2	glyccana	*Glyceria canadensis*	Canada Manna Grass	S5	OBL	15	YES
3	ocleacum	*Oclemena acuminata*	Whorled Wood Aster	S5	FACU	2	
4	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	5	
5							
6							
					TOTAL %	42	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 15
FACW 17
FAC 87
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	2.63	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Nortland Power Inc. | Sample Date: 06-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL08**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 389771 E JTM E (m) 5041086N Slope (%): _____

Water Flow Path: ☑ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
0-8								Organic
8-50	7.5YR 3/4	100						Loam

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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	30	YES
2	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	10	YES
3							
4							
5							
6							
					TOTAL %	40	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	YES
2	vibucass	*Viburnum cassinoides*	Northern Wild Raisin	S5	FACW	1	
3	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	1	
4							
5							
					TOTAL %		

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	1	
2	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	2	
3	amaunove	*Amauropelta noveboracensis*	New York Fern	S5	FAC	15	YES
4	lysibore	*Lysimachia borealis*	Northern Starflower	S5	FAC	2	
5	calacana	*Calamagrostis canadensis*	Bluejoint Reed Grass	S5	FACW		
6							
					TOTAL %	20	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL	0
FACW	1
FAC	66
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	2.99	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: RES | Sample Date: 06-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL08**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 389771E JTM E (m) 5041087N Slope (%): _____

Water Flow Path: ☑ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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		Redox				Texture	Remarks (Note Restrictive layer type, if encountered)
	Color	%	Color	%	Type	Loc		
0-50	2.5YR 3/2	90		10			Silty Clay	

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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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	(none)						
2							
3							
4							
5							
6							
					TOTAL %	0	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	alnuinca	*Alnus incana*	Speckled Alder	S5	FACW	15	YES
2	sorbamer	*Sorbus americana*	American Mountain Ash	S5	FAC	5	
3							
4							
5							
					TOTAL %		

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	20	YES
2	ocleacum	*Oclemena acuminata*	Whorled Wood Aster	S5	FACU	2	
3	amaunove	*Amauropelta noveboracensis*	New York Fern	S5	FAC	15	YES
4	lysibore	*Lysimachia borealis*	Northern Starflower	S5	FAC	2	
5	calacana	*Calamagrostis canadensis*	Bluejoint Reed Grass	S5	FACW		
6							
					TOTAL %	39	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

UBL 0
FACW 15
FAC 42
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	2.78	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 07-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL09**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 388270 E JTM E (m) 5033774N Slope (%): _____

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

Landscape Type: ☐ Marine ☐ Estuarine ☐ Lotic ☐ Lentic ☑ Terrene

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

Local Relief: ☑ Convex ☑ Concave ☐ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☐ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:
Black spruce 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)
0-12								Organic
12-34	7.5YR 4/4	100					Silty Clay	
34-46	2.5YR 3/3	100					Silty Clay	
46								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	30	YES
2	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	10	YES
3	picerube	*Picea rubens*	Red Spruce	S5	FAC	30	YES
4							
5							
6							
					TOTAL %		

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	picerube	*Picea rubens*	Red Spruce	S5	FAC	5	YES
2	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	3	YES
3							
4							
5							
					TOTAL %	8	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	aralnudi	*Aralia nudicaulis*	Wild Sarsaparilla	S5	FAC	1	YES
2							
3							
4							
5							
6							
					TOTAL %	1	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 79
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	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 08-Oct-26

Wetland Evaluator(s):

Wetland ID: **WL09**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) | Long (DD) | Elevation (m):

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 388283 E JTM E (m) 533768N | Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☑ Tidal | Soil Map Unit Name: Queens (Q)

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:
Black spruce 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)
0-12								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

- ☑ 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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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	30	YES
2	picerube	*Picea rubens*	Red Spruce	S5	FAC	20	YES
3							
4							
5							
6							
					TOTAL %		

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	corycorn	*Corylus cornuta*	Beaked Hazel	S5	FAC	20	YES
2	alnuinca	*Alnus incana*	Speckled Alder	S5	FACW	20	YES
3	rubuidae	*Rubus idaeus*	Red Raspberry	S5	FAC	5	
4	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	3	
5							
					TOTAL %	48	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	rubupube	*Rubus pubescens*	Dwarf Red Raspberry	S5	FAC	10	YES
2	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	15	YES
3	onocsens	*Onoclea sensibilis*	Sensitive Fern	S5	FACW	10	YES
4	geummacr	*Geum macrophyllum*	Large-Leaved Avens	S5	FACW	2	
5	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	5	
6	glycmeli	*Glyceria melicaria*	Slender Manna Grass	S4	OBL	3	
					TOTAL %	45	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 3
FACW 32
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	2.73	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 08-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL10**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 387879E JTM E (m) 5037377N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☑ Tidal Soil Map Unit Name: Queens (Q)

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)
0-11								Organic
11-19	10YR 3/3	100					Loam	
19								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	35	YES
2	picerube	*Picea rubens*	Red Spruce	S5	FAC	40	YES
3							
4							
5							
6							
					TOTAL %	75	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	acerpens	*Acer pensylvanicum*	Striped Maple	S5	FACU	1	
2	picerube	*Picea rubens*	Red Spruce	S5	FAC	35	YES
3							
4							
5							
					TOTAL %	36	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	lysibore	*Lysimachia borealis*	Northern Starflower	S5	FAC	1	YES
2							
3							
4							
5							
6							
					TOTAL %	1	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 111
FACU 1
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	3.01	Non-Hydrophytic
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 08-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL10**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 387885E JTM E (m) 5037382N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☑ Tidal Soil Map Unit Name: Queens (Q)

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)
0-44								Organic
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

- ☑ 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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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	(none)						
2							
3							
4							
5							
6							
					TOTAL %		

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	spirtome	*Spiraea tomentosa*	Steeplebush	S5	FAC	55	YES
2	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	5	
3	rhodcana	*Rhododendron canadense*	Rhodora	S5	FAC	5	
4	betupopu	*Betula populifolia*	Gray Birch	S5	FAC	5	
5	rubuidae	*Rubus idaeus*	Red Raspberry	S5	FAC	10	
					TOTAL %	80	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	calacana	*Calamagrostis canadensis*	Bluejoint Reed Grass	S5	FACW	10	YES
2	caregyna	*Carex gynandra*	Nodding Sedge	S5	FACW	5	
3	solirugo	*Solidago rugosa*	Rough-stemmed Goldenrod	S5	FAC	15	YES
4	euthgram	*Euthamia graminifolia*	Grass-leaved Goldenrod	S5	FAC	2	
5	junceffu	*Juncus effusus*	Soft Rush	S5	FACW	2	
6							
					TOTAL %	34	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 17
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	2.85	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 08-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL11**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 390724E JTM E (m) 5035062N Slope (%): _____

Water Flow Path: ☑ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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)
0-12								Organic
12-41	2.5YR 2.5/3	100					Loam	
41-55	2.5YR 2.5/4	100					Loam	

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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	30	YES
3							
4							
5							
6							
					TOTAL %		

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	YES
2							
3							
4							
5							
					TOTAL %	5	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	(none)						
2							
3							
4							
5							
6							
					TOTAL %	0	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 70
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	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland | Wetland ID: **WL11**

Applicant/Owner: Northland Power, Inc. | Sample Date: 08-Oct-26 | Plot Type: ☑ Wetland ☐ Upland

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 390732E JTM E (m) 5035072N Slope (%): _____

Water Flow Path: ☑ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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)
0-51								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)

- ☐ Surface Water (A1) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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							
3							
4							
5							
6							
					TOTAL %	10	

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	40	YES
3	ilexmucr	*Ilex mucronata*	Mountain Holly	S5	OBL	10	
4	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	10	
5							
					TOTAL %	65	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	rubuhisp	*Rubus hispidus*	Bristly Dewberry	S5	FACW	2	
2	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	2	
3	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	5	YES
4	caretris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	5	YES
5	ocleacum	*Oclemena acuminata*	Whorled Wood Aster	S5	FACU	1	
6	glycmeli	*Glyceria melicaria*	Slender Manna Grass	S4	OBL	1	
					TOTAL %	16	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 16
FACW 2
FAC 72
FACU 1
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	2.64	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 08-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL12**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 394496E JTM E (m) 5038020N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal | Soil Map Unit Name: Queens (Q)

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)
0-6								Organic
6-21	7.5YR 2.5/3	100					Loamy Sand	
21								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	10	YES
2	betupopu	*Betula populifolia*	Gray Birch	S5	FAC	10	YES
3	larilari	*Larix laricina*	Tamarack	S5	FAC	5	
4	picerube	*Picea rubens*	Red Spruce	S5	FAC	5	
5	sorbamer	*Sorbus americana*	American Mountain Ash	S5	FAC	10	YES
6							
					TOTAL %	40	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	ilexvert	*Ilex verticillata*	Common Winterberry	S5	FACW+	35	YES
2	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	
3	alnuinca	*Alnus incana*	Speckled Alder	S5	FACW	5	
4	vibucass	*Viburnum cassinoides*	Northern Wild Raisin	S5	FACW	2	
5							
					TOTAL %	47	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	pteraqui	*Pteridium aquilinum*	Bracken Fern	S5	FACU	15	YES
2	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	15	YES
3	lysibore	*Lysimachia borealis*	Northern Starflower	S5	FAC	1	
4							
5							
6							
					TOTAL %	31	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 7
FAC 61
FACU 15
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-Hydrophytic
Dominance Test	83%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 08-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL12**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 390732E JTM E (m) 5035072N Slope (%): _____

Water Flow Path: ☑ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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)
0-51								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)

- ☐ Surface Water (A1) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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							
3							
4							
5							
6							
					TOTAL %	10	

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	40	YES
3	ilexmucr	*Ilex mucronata*	Mountain Holly	S5	OBL	10	
4	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	10	
5							
					TOTAL %	65	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	rubuhisp	*Rubus hispidus*	Bristly Dewberry	S5	FACW	2	
2	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	2	
3	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	5	YES
4	caretris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	5	YES
5	ocleacum	*Oclemena acuminata*	Whorled Wood Aster	S5	FACU	1	
6	glycmeli	*Glyceria melicaria*	Slender Manna Grass	S4	OBL	1	
					TOTAL %	16	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 16
FACW 2
FAC 72
FACU 1
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	2.64	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26

Wetland Evaluator(s): B. Cameron. L. Vicaire

Wetland ID: **WL13**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 0393409E JTM E (m) 55036677N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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:
Area has been logged.

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)
0-12								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

- ☑ 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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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	70	YES
2	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	10	YES
3							
4							
5							
6							
					TOTAL %		

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	YES
2							
3					OBL		
4							
5							
					TOTAL %	5	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	(none)						
2							
3							
4							
5							
6							
					TOTAL %	0	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
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	3.00	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26

Wetland Evaluator(s): B. Cameron. L.Vicaire

Wetland ID: **WL13**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) 45.475276 Long (DD): -64.363776 Elevation (m): _____

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

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal | Soil Map Unit Name: Queens (Q)

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)
0-40								Organic
40								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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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							
3							
4							
5							
6							
					TOTAL %	40	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	picerube	*Picea rubens*	Red Spruce	S5	FAC	10	YES
2	betupopu	*Betula populifolia*	Gray Birch	S5	FAC	10	YES
3					OBL		
4							
5							
					TOTAL %	20	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	caretris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	5	YES
2	vaccviti	*Vaccinium vitis-idaea*	Mountain Cranberry	S4S5	FAC	2	YES
3	gaulhisp	*Gaultheria hispidula*	Creeping Snowberry	S5	FAC	1	
4	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	0.5	
5							
6							
					TOTAL %	8.5	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 5
FACW 0
FAC 63.5
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	2.85	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland | Wetland ID: **WL14**

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26 | Plot Type: ☐ Wetland ☑ Upland

Wetland Evaluator(s): B. Cameron, L.Vicaire

Wetland Plot Coordinates: Lat (DD) 45.469928 | Long (DD): -64.36313 | Elevation (m):

Datum: ☐ WGS84 ☑ NAD83 | UTM N (m): 20T 393410E | UTM E (m): 5036667N | Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal | Soil Map Unit Name: Queens (Q)

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)
0-6								Organic
6-15	2.5YR 3/3	100					Loam	
15-18	7.5YR 4/1	100					Clay Loam	
18								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	(none)						
2							
3							
4							
5							
6							
					TOTAL %		

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	betupopu	*Betula populifolia*	Gray Birch	S5	FAC	10	
2	rubuidae	*Rubus idaeus*	Red Raspberry	S5	FAC	30	YES
3	picerube	*Picea rubens*	Red Spruce	S5	FAC	25	YES
4	prunsero	*Prunus serotina*	Black Cherry	S5	FAC	10	
5	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	1	
					TOTAL %	76	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	vaccangu	*Vaccinium angustifolium*	Late Lowbush Blueberry	S5	FAC	10	YES
2	amaunove	*Amauropelta noveboracensis*	New York Fern	S5	FAC	5	YES
3	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	5	YES
4							
5							
6							
					TOTAL %	20	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 96
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	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL14**

Plot Type: ☑ Wetland ☐ Upland

Wetland Plot Coordinates: Lat (DD) _____ Long (DD) _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 393447E JTM E (m) 5036054N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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)
0-40								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)

- ☐ Surface Water (A1) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	(none)						
2							
3							
4							
5							
6							
					TOTAL %	0	

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	5	
3	betupopu	*Betula populifolia*	Gray Birch	S5	OBL	15	YES
4	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	2	
5							
					TOTAL %	42	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	scircype	*Scirpus cyperinus*	Common Woolly Bulrush	S5	FACW	10	YES
2	rubuhisp	*Rubus hispidus*	Bristly Dewberry	S5	FACW	5	
3	caretris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	10	YES
4	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	5	
5							
6							
					TOTAL %	30	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 25
FACW 15
FAC 32
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	2.10	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland | Wetland ID: **WL15**

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26 | Plot Type: ☐ Wetland ☑ Upland

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland Plot Coordinates: Lat (DD) _____ Long (DD): _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 391475E UTM E (m): 5035603N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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)
0-23	2.5YR 3/4	100					Sandy Loam	Organic
23								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	50	YES
2							
3							
4							
5							
6							
					TOTAL %	50	

VEGETATION - Shrub 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	15	YES
3					OBL		
4							
5							
					TOTAL %	20	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	20	YES
2							
3							
4							
5							
6							
					TOTAL %	20	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 90
FACU 0
UPL 0

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

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

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland | Wetland ID: **WL15**

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26 | Plot Type: ☑ Wetland ☐ Upland

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland Plot Coordinates: Lat (DD) _____ Long (DD): _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 391473E UTM E (m): 5035596N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal | Soil Map Unit Name: Queens (Q)

Landscape Type: ☐ Marine ☐ Estuarine ☐ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☑ Convex ☐ Concave ☐ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☐ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:

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

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? ☑ Yes ☐ No | Is the Sampled Area within a wetland? ☑ Yes ☐ No

Hydric Soil Present? ☑ Yes ☐ No | WESP-AC functional assessment completed? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

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

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

REMARKS

SOIL PROFILE

Depth (cm)	Matrix Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0-12								Organic
12-42	10YR 4/2	95		5			Clay	
42								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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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	35	YES
2	picerube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
3							
4							
5							
6							
					TOTAL %	50	

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	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	1	
3	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	5	YES
4	picerube	*Picea rubens*	Red Spruce	S5	FAC	5	YES
5							
					TOTAL %	21	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	5	YES
2	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	10	YES
3							
4							
5							
6							
					TOTAL %	15	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 86
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	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland | Wetland ID: **WL16**

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26 | Plot Type: ☐ Wetland ☑ Upland

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland Plot Coordinates: Lat (DD): | Long (DD): | Elevation (m):

Datum: ☐ WGS84 ☑ NAD83 | UTM N (m): 20T 391464E | UTM E (m): 5036033N | Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☐ Throughflow ☐ Tidal | Soil Map Unit Name: Queens (Q)

Landscape Type: ☐ Marine ☐ Estuarine ☐ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☐ None

Significantly Disturbed: ☑ Vegetation ☑ Soils ☐ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:

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

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? ☑ Yes ☐ No | Is the Sampled Area within a wetland? ☐ Yes ☑ No

Hydric Soil Present? ☐ Yes ☑ No | WESP-AC functional assessment completed? ☑ Yes ☐ No

Wetland Hydrology Present? ☐ Yes ☑ No

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

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

REMARKS

SOIL PROFILE

Depth (cm)	Matrix Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0-11								Organic
11-18	2.5YR 3/4	100					Clay Loam	
18								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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							
3							
4							
5							
6							
					TOTAL %	10	

VEGETATION - Shrub 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	10	
3	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	15	YES
4	rubualle	*Rubus allegheniensis*	Alleghaney Blackberry	S5	FACU	4	
5							
					TOTAL %	69	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	30	YES
2	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	5	
3							
4							
5							
6							
					TOTAL %	35	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 110
FACU 4
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	**Value**	**Interpretation**
Prevalence Index	3.04	Non-Hydrophytic
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland | Wetland ID: **WL16**

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26 | Plot Type: ☑ Wetland ☐ Upland

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland Plot Coordinates: Lat (DD) _____ Long (DD): _____ Elevation (m): _____

Datum: ☐ WGS84 ☑ NAD83 UTM N (m): 20T 391458E UTM E (m): 5036011N Slope (%): _____

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal Soil Map Unit Name: Queens (Q)

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)
0-14								Organic
14-23	10YR 4/2	100					Silty Clay	
23-26	7.5YR 4/4						Silt	
26								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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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	(none)						
2							
3							
4							
5							
6							
					TOTAL %		

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	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	15	YES
3							
4							
5							
					TOTAL %	35	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	scircype	*Scirpus cyperinus*	Common Woolly Bulrush	S5	FACW	20	YES
2	caretris	*Carex trisperma*	Three-seeded Sedge	S5	OBL	10	YES
3	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	10	YES
4							
5							
6							
					TOTAL %	40	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 10
FACW 20
FAC 45
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	2.47	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL17**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD): | Long (DD): | Elevation (m):

Datum: ☐ WGS84 ☑ NAD83 | UTM N (m): 20T 391430E | UTM E (m): 5035931N | Slope (%):

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

Landscape Type: ☐ Marine ☐ Estuarine ☐ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☐ None

Significantly Disturbed: ☐ Vegetation ☐ Soils ☐ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:

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

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? ☑ Yes ☐ No

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)
0-8								Organic
8-15	2.5YR 3/4	100					Loam	
15-25	2.5YR 5/3	100					Loam	
25								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	55	YES
2	picerube	*Picea rubens*	Red Spruce	S5	FAC	20	YES
3							
4							
5							
6							
					TOTAL %		

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	acersugar	*Acer saccharum*	Sugar Maple	S4S5	FACU	10	YES
4							
5							
					TOTAL %	25	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	25	YES
2	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	2	
3							
4							
5							
6							
					TOTAL %	27	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 117
FACU 10
UPL 0

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

Tests for Hydrophtic Vegetation: Auto-calculated		
Test/Index	**Value**	**Interpretation**
Prevalence Index	3.08	Non-Hydrophytic
Dominance Test	83%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland | Wetland ID: **WL17**

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26 | Plot Type: ☑ Wetland ☐ Upland

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland Plot Coordinates: Lat (DD) 20T 390369E | Long (DD): 5035545N | Elevation (m):

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

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

Landscape Type: ☐ Marine ☐ Estuarine ☐ Lotic ☐ Lentic ☐ Terrene

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

Local Relief: ☐ Convex ☐ Concave ☐ None

Significantly Disturbed: ☑ Vegetation ☑ Soils ☐ Hydrology

Naturally Problematic: ☐ Vegetation ☐ Soils ☐ Hydrology

Notes:

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

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? ☑ Yes ☐ No | Is the Sampled Area within a wetland? ☑ Yes ☐ No

Hydric Soil Present? ☑ Yes ☐ No | WESP-AC functional assessment completed? ☑ Yes ☐ No

Wetland Hydrology Present? ☑ Yes ☐ No

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

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

REMARKS

SOIL PROFILE

Depth (cm)	Matrix Color	Matrix %	Redox Color	Redox %	Redox Type	Redox Loc	Texture	Remarks (Note Restrictive layer type, if encountered)
0-40								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)

- ☐ Surface Water (A1) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	35	YES
2	picerube	*Picea rubens*	Red Spruce	S5	FAC	25	YES
3	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	10	YES
4							
5							
6							
					TOTAL %	35	

VEGETATION - Shrub Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	25	YES
2	picerube	*Picea rubens*	Red Spruce	S5	FAC	15	YES
3							
4							
5							
					TOTAL %	40	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	corncana	*Cornus canadensis*	Bunchberry	S5	FAC	1	
2	osmucinn	*Osmundastrum cinnamomeum*	Cinnamon Fern	S5	FAC	15	YES
3	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	5	YES
4							
5							
6							
					TOTAL %	21	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL	0
FACW	0
FAC	131
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	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26

Wetland Evaluator(s): B. Cameron, L. Vicaire

Wetland ID: **WL18**

Plot Type: ☐ Wetland ☑ Upland

Wetland Plot Coordinates: Lat (DD) 45.464867 | Long (DD): -64.402404 | Elevation (m):

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

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal | Soil Map Unit Name: Queens (Q)

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: Area is disturbed cutover

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
5-6	7.5 YR 3/3	100					Loam	
6-9	5YR 4/3	100					Loam	
9								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) Depth (cm):
- ☐ High Water Table (A2) Depth (cm):
- ☐ Saturation (A3) Depth (cm):
- ☐ 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	acerrubr	*Acer rubrum*	Red Maple	S5	FAC	15	YES
3	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	YES
4							
5							
6							
					TOTAL %	20	

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	betualle	*Betula alleghaniensis*	Yellow Birch	S5	FAC	5	YES
4							
5							
					TOTAL %	20	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	dryointe	*Dryopteris intermedia*	Evergreen Wood Fern	S5	FAC	5	YES
2	amaunove	*Amauropelta noveboracensis*	New York Fern	S5	FAC	1	
3							
4							
5							
6							
					TOTAL %	6	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 0
FAC 86
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	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

WETLAND DELINEATION DATA FORM - NOVA SCOTIA

Project/Site: West Bay | Municip./County: Cumberland | Wetland ID: **WL18**

Applicant/Owner: Northland Power, Inc. | Sample Date: 09-Oct-26 | Plot Type: ☐ Wetland ☑ Upland

Wetland Evaluator(s): B. Cameron, L. Viicaire

Wetland Plot Coordinates: Lat (DD): | Long (DD): | Elevation (m):

Datum: ☐ WGS84 ☑ NAD83 | UTM N (m): 391425.557 | UTM E (m): 5035930.132 | Slope (%):

Water Flow Path: ☐ Outflow ☐ Inflow ☑ Throughflow ☐ Tidal | Soil Map Unit Name: Queens (Q)

Landscape Type: ☐ Marine ☐ Estuarin ☐ 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)
								*Soil data not recorded, but recorded in field as Sandy Mucky Mineral (S1)

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) Depth (cm):
- ☑ High Water Table (A2) Depth (cm):
- ☑ Saturation (A3) Depth (cm):
- ☐ 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	(none)						
2							
3							
4							
5							
6							
					TOTAL %	0	

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	abiebals	*Abies balsamea*	Balsam Fir	S5	FAC	5	YES
3							
4							
5							
					TOTAL %	15	

VEGETATION - Herbaceous Stratum

#	MCODE	Species	Common Name	S-RANK	Wet Ind.	% Cover	Dominant Sp.
1	scircype	*Scirpus cyperinus*	Common Woolly Bulrush	S5	FACW	40	YES
2	doelumbe	*Doellingeria umbellata*	Hairy Flat-top White Aster	S5	FAC	15	YES
3	solirugo	*Solidago rugosa*	Rough-stemmed Goldenrod	S5	FAC	15	YES
4							
5							
6							
					TOTAL %	70	

VEGETATION - Mosses and Ground Lichens (OPTIONAL)

1							
2							
3							
4							
					TOTAL %	0	

OBL 0
FACW 40
FAC 45
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	2.53	Hydrophytic Vegetation
Dominance Test	100%	Hydrophytic Vegetation

Site Name or ID#:	**West Bay WL 01**
Investigator Name:	**S. Jensen**
Date of Field Assessment:	**Sept. 28, 2026**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	4.09	Moderate	1.07	Lower	4.45	0.48
Stream Flow & Temperature Support (SFTS)	3.80	Moderate	4.70	Moderate	2.43	3.21
Sediment & Toxicant Retention & Stabilisation (SR)	3.31	Lower	10.00	Higher	4.44	10.00
Phosphorus Retention (PR)	1.37	Lower	10.00	Higher	4.55	10.00
Nitrate Removal & Retention (NR)	3.40	Moderate	10.00	Higher	5.51	10.00
Wildfire Resistance (WFR)	6.84	Higher	4.00	Moderate	6.15	4.00
Carbon Stock Preservation (CSP)	1.27	Lower			4.37	
Carbon Capture (CC)	8.93	Higher			5.82	
Organic Nutrient Export (OE)	5.91	Moderate			3.23	
Aquatic Primary Productivity (APP)	8.48	Higher	3.54	Lower	5.23	3.16
Anadromous Fish Habitat (FA)	7.28	Higher	3.08	Moderate	5.27	1.69
Resident & Other Fish Habitat (FR)	5.54	Moderate	3.41	Moderate	4.26	1.59
Amphibian Habitat (AM)	0.64	Lower	2.82	Moderate	2.90	4.10
Waterbird Feeding Habitat (WBF)	5.52	Moderate	10.00	Higher	3.95	10.00
Waterbird Nesting Habitat (WBN)	6.15	Moderate	10.00	Higher	4.46	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.91	Moderate	1.59	Lower	6.88	1.59
Keystone Mammal Habitat (KMH)	12.33	Higher	6.00	Higher	10.00	3.33
Native Plant Habitat (PH)	6.64	Higher	2.24	Lower	6.95	2.96
Pollinator Habitat (POL)	9.82	Higher	0.00	Lower	9.34	0.00
Cultural & Recreational Importance (CRI)			1.14	Lower		1.27
Wetland Sensitivity (Sens)			5.83	Moderate		4.41
Wetland Stressors (STR)			5.10	Moderate		2.72
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	4.09	Moderate	1.07	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	2.87	Higher	10.00	Higher		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	7.27	Higher	4.41	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	6.15	Higher	7.93	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.97	Higher	1.76	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	4.38	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	28.69	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	32.09	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	48.78	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	15.75	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WL03**
Investigator Name:	**Sophie Jensen**
Date of Field Assessment:	**Sept. 28, 2026**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	4.51	Moderate	7.94	Higher	4.75	3.52
Stream Flow & Temperature Support (SFTS)	4.79	Moderate	2.97	Moderate	3.06	2.03
Sediment & Toxicant Retention & Stabilisation (SR)	3.70	Lower	2.10	Lower	4.75	2.23
Phosphorus Retention (PR)	5.13	Moderate	3.13	Moderate	6.92	3.33
Nitrate Removal & Retention (NR)	3.71	Moderate	3.61	Lower	5.72	3.61
Wildfire Resistance (WFR)	2.32	Lower	0.00	Lower	2.08	0.00
Carbon Stock Preservation (CSP)	4.45	Moderate			6.24	
Carbon Capture (CC)	5.70	Moderate			4.94	
Organic Nutrient Export (OE)	6.06	Moderate			3.31	
Aquatic Primary Productivity (APP)	4.02	Moderate	7.00	Moderate	3.87	5.27
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	4.14	Moderate	1.47	Moderate	3.18	0.69
Amphibian Habitat (AM)	-0.13	Lower	2.89	Moderate	2.44	4.16
Waterbird Feeding Habitat (WBF)	4.79	Moderate	10.00	Higher	3.43	10.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	9.42	Higher	1.47	Lower	8.19	1.47
Keystone Mammal Habitat (KMH)	5.56	Higher	4.00	Moderate	5.97	2.22
Native Plant Habitat (PH)	7.76	Higher	2.27	Lower	7.29	3.00
Pollinator Habitat (POL)	10.02	Higher	0.00	Lower	9.53	0.00
Cultural & Recreational Importance (CRI)			1.00	Lower		1.16
Wetland Sensitivity (Sens)			6.30	Moderate		4.56
Wetland Stressors (STR)			6.82	Higher		3.50
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	4.51	Moderate	7.94	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	4.69	Moderate	3.28	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.51	Moderate	6.00	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.27	Moderate	6.44	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	9.54	Higher	1.76	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	35.85	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	15.38	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	33.03	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	21.07	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	16.78	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WL04**
Investigator Name:	**Sophie Jensen**
Date of Field Assessment:	**Sept. 28, 2026**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	2.25	Lower	1.13	Lower	3.16	0.50
Stream Flow & Temperature Support (SFTS)	5.65	Moderate	4.69	Moderate	3.61	3.20
Sediment & Toxicant Retention & Stabilisation (SR)	2.32	Lower	4.77	Moderate	3.61	4.86
Phosphorus Retention (PR)	2.60	Lower	6.97	Moderate	5.33	7.06
Nitrate Removal & Retention (NR)	2.62	Moderate	4.17	Moderate	4.98	4.17
Wildfire Resistance (WFR)	2.97	Moderate	4.00	Moderate	2.67	4.00
Carbon Stock Preservation (CSP)	1.80	Moderate			4.68	
Carbon Capture (CC)	7.17	Higher			5.34	
Organic Nutrient Export (OE)	5.61	Moderate			3.06	
Aquatic Primary Productivity (APP)	5.24	Moderate	2.97	Lower	4.24	2.81
Anadromous Fish Habitat (FA)	6.67	Moderate	1.85	Moderate	4.82	1.02
Resident & Other Fish Habitat (FR)	4.54	Moderate	1.97	Moderate	3.49	0.92
Amphibian Habitat (AM)	1.26	Lower	2.62	Moderate	3.28	3.93
Waterbird Feeding Habitat (WBF)	3.61	Moderate	10.00	Higher	2.59	10.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	9.37	Higher	1.47	Lower	8.15	1.47
Keystone Mammal Habitat (KMH)	5.66	Higher	6.00	Higher	6.02	3.33
Native Plant Habitat (PH)	7.44	Higher	2.25	Lower	7.19	2.98
Pollinator Habitat (POL)	9.89	Higher	0.00	Lower	9.41	0.00
Cultural & Recreational Importance (CRI)			1.53	Lower		1.56
Wetland Sensitivity (Sens)			6.72	Higher		4.69
Wetland Stressors (STR)			4.94	Moderate		2.65
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	2.25	Lower	1.13	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	2.48	Moderate	6.13	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.58	Moderate	4.26	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.94	Moderate	6.64	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	9.40	Higher	1.74	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	2.54	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	15.21	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	23.75	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	32.82	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	16.38	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WL 05**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**06-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	1.63	Lower	5.37	Moderate	2.72	2.38
Stream Flow & Temperature Support (SFTS)	8.09	Higher	6.30	Higher	5.17	4.30
Sediment & Toxicant Retention & Stabilisation (SR)	1.88	Lower	4.56	Moderate	3.25	4.65
Phosphorus Retention (PR)	1.01	Lower	6.18	Moderate	4.32	6.29
Nitrate Removal & Retention (NR)	2.25	Lower	4.05	Moderate	4.72	4.05
Wildfire Resistance (WFR)	4.13	Moderate	4.00	Moderate	3.71	4.00
Carbon Stock Preservation (CSP)	3.15	Moderate			5.47	
Carbon Capture (CC)	6.65	Higher			5.20	
Organic Nutrient Export (OE)	6.81	Moderate			3.72	
Aquatic Primary Productivity (APP)	6.86	Higher	8.30	Higher	4.74	6.06
Anadromous Fish Habitat (FA)	8.21	Higher	2.61	Moderate	5.94	1.43
Resident & Other Fish Habitat (FR)	8.32	Higher	2.86	Moderate	6.40	1.33
Amphibian Habitat (AM)	1.66	Lower	3.20	Moderate	3.52	4.41
Waterbird Feeding Habitat (WBF)	6.52	Moderate	10.00	Higher	4.67	10.00
Waterbird Nesting Habitat (WBN)	7.39	Moderate	10.00	Higher	5.36	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.90	Moderate	1.71	Lower	6.87	1.71
Keystone Mammal Habitat (KMH)	12.33	Higher	7.00	Higher	10.00	3.89
Native Plant Habitat (PH)	5.31	Moderate	10.00	Higher	6.54	10.00
Pollinator Habitat (POL)	9.63	Higher	10.00	Higher	9.16	10.00
Cultural & Recreational Importance (CRI)			1.36	Lower		1.43
Wetland Sensitivity (Sens)			7.81	Higher		5.04
Wetland Stressors (STR)			5.76	Moderate		3.03
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	1.63	Lower	5.37	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	2.61	Moderate	5.55	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	7.67	Higher	7.80	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	7.37	Higher	7.87	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.62	Higher	8.62	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	8.76	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	14.50	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	59.83	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	57.99	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	74.32	Moderate

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WL 06**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**06-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	8.62	Higher	5.02	Moderate	7.64	2.23
Stream Flow & Temperature Support (SFTS)	3.42	Moderate	1.17	Lower	2.19	0.79
Sediment & Toxicant Retention & Stabilisation (SR)	5.30	Moderate	0.45	Lower	6.09	0.61
Phosphorus Retention (PR)	3.26	Lower	0.37	Lower	5.74	0.65
Nitrate Removal & Retention (NR)	2.60	Moderate	1.67	Lower	4.96	1.67
Wildfire Resistance (WFR)	0.55	Lower	0.00	Lower	0.49	0.00
Carbon Stock Preservation (CSP)	6.14	Moderate			7.23	
Carbon Capture (CC)	1.12	Lower			3.70	
Organic Nutrient Export (OE)	7.46	Higher			4.08	
Aquatic Primary Productivity (APP)	0.02	Lower	7.36	Higher	2.65	5.49
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 Habitat (AM)	1.72	Lower	1.61	Lower	3.55	3.11
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.90	Moderate	1.59	Lower	6.87	1.59
Keystone Mammal Habitat (KMH)	1.92	Lower	4.00	Moderate	3.80	2.22
Native Plant Habitat (PH)	3.30	Lower	2.20	Lower	5.92	2.93
Pollinator Habitat (POL)	9.52	Higher	0.00	Lower	9.05	0.00
Cultural & Recreational Importance (CRI)			0.07	Lower		0.47
Wetland Sensitivity (Sens)			7.97	Higher		5.09
Wetland Stressors (STR)			4.54	Moderate		2.47
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	8.62	Higher	5.02	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	5.24	Moderate	1.25	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.55	Higher	5.81	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	1.03	Lower	0.97	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.21	Higher	1.73	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	43.26	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	6.53	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	32.25	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.00	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	14.19	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WI 07**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**08-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	3.19	Lower	2.84	Lower	3.82	1.26
Stream Flow & Temperature Support (SFTS)	4.22	Moderate	3.36	Moderate	2.70	2.29
Sediment & Toxicant Retention & Stabilisation (SR)	2.22	Lower	6.29	Higher	3.53	6.36
Phosphorus Retention (PR)	0.70	Lower	6.66	Moderate	4.12	6.75
Nitrate Removal & Retention (NR)	2.83	Moderate	5.28	Moderate	5.12	5.28
Wildfire Resistance (WFR)	5.89	Higher	4.00	Moderate	5.29	4.00
Carbon Stock Preservation (CSP)	3.56	Moderate			5.71	
Carbon Capture (CC)	6.72	Higher			5.22	
Organic Nutrient Export (OE)	6.59	Moderate			3.60	
Aquatic Primary Productivity (APP)	5.12	Moderate	2.05	Lower	4.21	2.26
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 Habitat (AM)	0.32	Lower	2.80	Moderate	2.71	4.09
Waterbird Feeding Habitat (WBF)	5.72	Moderate	10.00	Higher	4.10	10.00
Waterbird Nesting Habitat (WBN)	7.41	Moderate	10.00	Higher	5.38	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.70	Moderate	1.59	Lower	6.70	1.59
Keystone Mammal Habitat (KMH)	4.87	Moderate	6.00	Higher	5.56	3.33
Native Plant Habitat (PH)	6.01	Moderate	2.21	Lower	6.75	2.94
Pollinator Habitat (POL)	9.78	Higher	0.00	Lower	9.30	0.00
Cultural & Recreational Importance (CRI)			0.41	Lower		0.72
Wetland Sensitivity (Sens)			6.15	Moderate		4.51
Wetland Stressors (STR)			5.38	Moderate		2.85
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	3.19	Lower	2.84	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	2.94	Higher	6.37	Higher		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.95	Moderate	3.03	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	5.05	Moderate	7.28	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.81	Higher	1.74	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	9.07	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	18.73	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	18.05	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	36.75	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	15.29	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WL08**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**7 October 2026**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.53	Moderate	0.42	Lower	5.46	0.18
Stream Flow & Temperature Support (SFTS)	3.14	Moderate	2.84	Moderate	2.01	1.93
Sediment & Toxicant Retention & Stabilisation (SR)	2.12	Lower	1.28	Lower	3.44	1.43
Phosphorus Retention (PR)	0.43	Lower	1.07	Lower	3.95	1.33
Nitrate Removal & Retention (NR)	2.88	Moderate	1.67	Lower	5.16	1.67
Wildfire Resistance (WFR)	2.85	Moderate	4.00	Moderate	2.56	4.00
Carbon Stock Preservation (CSP)	3.04	Moderate			5.41	
Carbon Capture (CC)	5.53	Moderate			4.90	
Organic Nutrient Export (OE)	5.08	Moderate			2.78	
Aquatic Primary Productivity (APP)	3.65	Moderate	1.79	Lower	3.76	2.10
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 Habitat (AM)	4.58	Moderate	6.30	Higher	5.28	6.96
Waterbird Feeding Habitat (WBF)	5.12	Moderate	10.00	Higher	3.67	10.00
Waterbird Nesting Habitat (WBN)	6.42	Moderate	10.00	Higher	4.66	10.00
Raptor & Wetland Songbird Habitat (RSB)	9.02	Higher	2.55	Lower	7.85	2.55
Keystone Mammal Habitat (KMH)	4.77	Moderate	6.00	Higher	5.50	3.33
Native Plant Habitat (PH)	4.61	Moderate	2.04	Lower	6.32	2.79
Pollinator Habitat (POL)	9.51	Higher	3.33	Higher	9.04	3.33
Cultural & Recreational Importance (CRI)			0.39	Lower		0.71
Wetland Sensitivity (Sens)			2.53	Lower		3.35
Wetland Stressors (STR)			0.66	Lower		0.72
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	5.53	Moderate	0.42	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	2.58	Moderate	1.50	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	4.52	Moderate	2.58	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.82	Moderate	7.63	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.61	Higher	2.99	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	2.30	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	3.88	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	11.64	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	36.81	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	25.72	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WI 10**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**08-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	1.68	Lower	4.29	Moderate	2.75	1.90
Stream Flow & Temperature Support (SFTS)	8.17	Higher	4.36	Moderate	5.22	2.97
Sediment & Toxicant Retention & Stabilisation (SR)	2.23	Lower	7.26	Higher	3.54	7.31
Phosphorus Retention (PR)	0.67	Lower	6.87	Moderate	4.10	6.96
Nitrate Removal & Retention (NR)	3.03	Moderate	5.24	Moderate	5.25	5.24
Wildfire Resistance (WFR)	6.15	Higher	4.00	Moderate	5.52	4.00
Carbon Stock Preservation (CSP)	3.59	Moderate			5.73	
Carbon Capture (CC)	7.09	Higher			5.32	
Organic Nutrient Export (OE)	7.31	Moderate			4.00	
Aquatic Primary Productivity (APP)	7.75	Higher	5.39	Moderate	5.01	4.29
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	7.36	Higher	7.05	Higher	5.66	3.29
Amphibian Habitat (AM)	0.28	Lower	2.86	Moderate	2.69	4.14
Waterbird Feeding Habitat (WBF)	6.23	Moderate	10.00	Higher	4.46	10.00
Waterbird Nesting Habitat (WBN)	7.19	Moderate	10.00	Higher	5.22	10.00
Raptor & Wetland Songbird Habitat (RSB)	7.51	Moderate	1.87	Lower	6.53	1.87
Keystone Mammal Habitat (KMH)	12.33	Higher	6.00	Higher	10.00	3.33
Native Plant Habitat (PH)	6.44	Higher	2.16	Lower	6.88	2.89
Pollinator Habitat (POL)	9.57	Higher	0.00	Lower	9.10	0.00
Cultural & Recreational Importance (CRI)			1.63	Lower		1.64
Wetland Sensitivity (Sens)			5.45	Moderate		4.28
Wetland Stressors (STR)			9.31	Higher		4.63
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	1.68	Lower	4.29	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	2.99	Higher	6.86	Higher		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	7.96	Higher	5.14	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	5.79	Higher	7.99	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.71	Higher	1.75	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	7.19	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	20.47	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	40.88	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	46.24	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	15.23	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WI 11**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**2026-10-0**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.31	Moderate	6.18	Higher	5.31	2.74
Stream Flow & Temperature Support (SFTS)	4.08	Moderate	1.52	Moderate	2.60	1.04
Sediment & Toxicant Retention & Stabilisation (SR)	3.32	Lower	0.80	Lower	4.44	0.96
Phosphorus Retention (PR)	2.60	Lower	0.96	Lower	5.32	1.22
Nitrate Removal & Retention (NR)	2.90	Moderate	3.61	Lower	5.17	3.61
Wildfire Resistance (WFR)	0.39	Lower	4.00	Moderate	0.35	4.00
Carbon Stock Preservation (CSP)	6.71	Moderate			7.56	
Carbon Capture (CC)	3.12	Lower			4.24	
Organic Nutrient Export (OE)	8.40	Higher			4.59	
Aquatic Primary Productivity (APP)	2.10	Lower	7.27	Higher	3.29	5.43
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 Habitat (AM)	2.22	Lower	1.03	Lower	3.86	2.63
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.63	Moderate	1.45	Lower	6.64	1.45
Keystone Mammal Habitat (KMH)	4.08	Moderate	5.25	Moderate	5.09	2.92
Native Plant Habitat (PH)	6.74	Higher	2.15	Lower	6.98	2.88
Pollinator Habitat (POL)	9.37	Higher	0.00	Lower	8.91	0.00
Cultural & Recreational Importance (CRI)			1.14	Lower		1.26
Wetland Sensitivity (Sens)			6.46	Moderate		4.61
Wetland Stressors (STR)			6.79	Higher		3.49
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	5.31	Moderate	6.18	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	5.30	Moderate	2.70	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	6.63	Higher	5.83	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	1.33	Lower	0.62	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.64	Higher	1.67	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	32.79	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	14.31	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	38.66	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.83	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	14.45	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WL 12**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**08-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	2.68	Lower	4.74	Moderate	3.46	2.10
Stream Flow & Temperature Support (SFTS)	8.06	Higher	8.16	Higher	5.15	5.56
Sediment & Toxicant Retention & Stabilisation (SR)	2.34	Lower	5.08	Moderate	3.63	5.16
Phosphorus Retention (PR)	3.28	Lower	6.90	Moderate	5.76	6.99
Nitrate Removal & Retention (NR)	1.92	Lower	6.67	Moderate	4.50	6.67
Wildfire Resistance (WFR)	2.34	Lower	10.00	Higher	2.10	10.00
Carbon Stock Preservation (CSP)	5.44	Moderate			6.82	
Carbon Capture (CC)	5.87	Moderate			4.99	
Organic Nutrient Export (OE)	9.57	Higher			5.23	
Aquatic Primary Productivity (APP)	6.29	Higher	3.15	Lower	4.56	2.93
Anadromous Fish Habitat (FA)	8.57	Higher	8.19	Higher	6.20	4.50
Resident & Other Fish Habitat (FR)	6.49	Higher	9.65	Higher	4.99	4.50
Amphibian Habitat (AM)	1.34	Lower	6.10	Higher	3.32	6.79
Waterbird Feeding Habitat (WBF)	6.30	Moderate	10.00	Higher	4.51	10.00
Waterbird Nesting Habitat (WBN)	7.19	Moderate	10.00	Higher	5.22	10.00
Raptor & Wetland Songbird Habitat (RSB)	9.07	Higher	6.97	Moderate	7.89	6.97
Keystone Mammal Habitat (KMH)	1.79	Lower	8.25	Higher	3.72	4.58
Native Plant Habitat (PH)	4.55	Moderate	7.86	Higher	6.30	8.06
Pollinator Habitat (POL)	8.88	Moderate	10.00	Higher	8.45	10.00
Cultural & Recreational Importance (CRI)			5.17	Higher		4.28
Wetland Sensitivity (Sens)			1.49	Lower		3.01
Wetland Stressors (STR)			10.23	Higher		5.05
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	2.68	Lower	4.74	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	4.34	Lower	6.56	Higher		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	8.77	Higher	6.91	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	7.27	Higher	9.39	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.28	Higher	9.14	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**YES**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	12.74	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	28.48	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	60.60	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	68.33	High
HABITAT SUPERGROUP - TRANSITION HABITAT	75.69	Moderate

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	YES
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**YES**

Site Name or ID#:	**West Bay WL 13**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**08-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.42	Moderate	5.41	Moderate	5.39	2.40
Stream Flow & Temperature Support (SFTS)	3.91	Moderate	2.43	Moderate	2.50	1.66
Sediment & Toxicant Retention & Stabilisation (SR)	3.21	Lower	0.94	Lower	4.35	1.09
Phosphorus Retention (PR)	2.53	Lower	1.32	Lower	5.28	1.58
Nitrate Removal & Retention (NR)	2.80	Moderate	2.33	Lower	5.10	2.33
Wildfire Resistance (WFR)	0.30	Lower	4.00	Moderate	0.27	4.00
Carbon Stock Preservation (CSP)	7.47	Higher			8.01	
Carbon Capture (CC)	3.73	Moderate			4.41	
Organic Nutrient Export (OE)	8.24	Higher			4.50	
Aquatic Primary Productivity (APP)	2.59	Lower	3.84	Lower	3.44	3.35
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 Habitat (AM)	1.22	Lower	1.62	Lower	3.25	3.11
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.92	Moderate	1.59	Lower	6.89	1.59
Keystone Mammal Habitat (KMH)	12.33	Higher	6.00	Higher	10.00	3.33
Native Plant Habitat (PH)	7.69	Higher	2.20	Lower	7.27	2.93
Pollinator Habitat (POL)	9.53	Higher	0.00	Lower	9.06	0.00
Cultural & Recreational Importance (CRI)			0.19	Lower		0.55
Wetland Sensitivity (Sens)			7.93	Higher		5.08
Wetland Stressors (STR)			4.60	Moderate		2.50
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	5.42	Moderate	5.41	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	5.74	Moderate	1.93	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	6.58	Higher	3.49	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	0.73	Lower	0.97	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.96	Higher	1.73	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	29.37	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	11.09	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	22.95	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.71	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	15.51	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WI 14**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**08-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.31	Moderate	8.03	Higher	5.31	3.56
Stream Flow & Temperature Support (SFTS)	3.80	Moderate	1.64	Moderate	2.43	1.12
Sediment & Toxicant Retention & Stabilisation (SR)	2.82	Lower	1.05	Lower	4.03	1.20
Phosphorus Retention (PR)	1.81	Lower	1.39	Lower	4.82	1.65
Nitrate Removal & Retention (NR)	2.55	Lower	6.67	Moderate	4.93	6.67
Wildfire Resistance (WFR)	0.72	Lower	4.00	Moderate	0.65	4.00
Carbon Stock Preservation (CSP)	4.01	Moderate			5.98	
Carbon Capture (CC)	3.87	Moderate			4.45	
Organic Nutrient Export (OE)	6.72	Moderate			3.67	
Aquatic Primary Productivity (APP)	2.56	Lower	6.41	Moderate	3.43	4.91
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 Habitat (AM)	1.86	Lower	1.59	Lower	3.64	3.09
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.82	Moderate	1.59	Lower	6.80	1.59
Keystone Mammal Habitat (KMH)	12.33	Higher	6.00	Higher	10.00	3.33
Native Plant Habitat (PH)	3.91	Moderate	2.16	Lower	6.10	2.89
Pollinator Habitat (POL)	9.29	Higher	0.00	Lower	8.83	0.00
Cultural & Recreational Importance (CRI)			2.41	Moderate		2.22
Wetland Sensitivity (Sens)			6.20	Moderate		4.53
Wetland Stressors (STR)			5.88	Moderate		3.08
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	5.31	Moderate	8.03	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	3.40	Lower	4.85	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.54	Moderate	5.22	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	1.12	Lower	0.95	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.15	Higher	1.70	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	42.61	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	16.52	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	28.92	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.06	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	13.87	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WI 15**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**09-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	8.22	Higher	5.64	Moderate	7.36	2.50
Stream Flow & Temperature Support (SFTS)	0.92	Lower	0.00	Lower	0.59	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	10.00	Higher	1.53	Lower	10.00	1.67
Phosphorus Retention (PR)	10.00	Higher	1.05	Lower	10.00	1.31
Nitrate Removal & Retention (NR)	10.00	Higher	3.61	Lower	10.00	3.61
Wildfire Resistance (WFR)	1.32	Lower	4.00	Moderate	1.19	4.00
Carbon Stock Preservation (CSP)	6.82	Higher			7.63	
Carbon Capture (CC)	2.03	Lower			3.95	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	1.09	Lower	5.67	Moderate	2.98	4.46
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 Habitat (AM)	1.18	Lower	1.54	Lower	3.23	3.05
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.64	Moderate	1.87	Lower	6.65	1.87
Keystone Mammal Habitat (KMH)	4.35	Moderate	6.00	Higher	5.24	3.33
Native Plant Habitat (PH)	7.21	Higher	2.23	Lower	7.12	2.95
Pollinator Habitat (POL)	9.98	Higher	0.00	Lower	9.49	0.00
Cultural & Recreational Importance (CRI)			0.37	Lower		0.69
Wetland Sensitivity (Sens)			9.18	Higher		5.49
Wetland Stressors (STR)			7.13	Higher		3.64
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	8.22	Higher	5.64	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.60	Higher	2.84	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	0.88	Lower	4.25	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	0.71	Lower	0.93	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	9.13	Higher	1.79	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	46.36	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	27.25	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.74	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.66	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	16.38	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WI 16**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**09-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	5.31	Moderate	5.82	Moderate	5.31	2.58
Stream Flow & Temperature Support (SFTS)	3.59	Moderate	1.62	Moderate	2.29	1.11
Sediment & Toxicant Retention & Stabilisation (SR)	3.42	Lower	0.84	Lower	4.53	0.99
Phosphorus Retention (PR)	0.93	Lower	1.18	Lower	4.27	1.43
Nitrate Removal & Retention (NR)	1.94	Lower	3.10	Lower	4.52	3.10
Wildfire Resistance (WFR)	0.46	Lower	4.00	Moderate	0.42	4.00
Carbon Stock Preservation (CSP)	3.83	Moderate			5.87	
Carbon Capture (CC)	2.93	Lower			4.19	
Organic Nutrient Export (OE)	6.34	Moderate			3.46	
Aquatic Primary Productivity (APP)	2.55	Lower	6.43	Moderate	3.43	4.92
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 Habitat (AM)	1.24	Lower	1.60	Lower	3.27	3.10
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.86	Moderate	1.59	Lower	6.83	1.59
Keystone Mammal Habitat (KMH)	3.67	Moderate	6.00	Higher	4.84	3.33
Native Plant Habitat (PH)	2.55	Lower	2.13	Lower	5.69	2.87
Pollinator Habitat (POL)	9.06	Moderate	0.00	Lower	8.61	0.00
Cultural & Recreational Importance (CRI)			0.19	Lower		0.55
Wetland Sensitivity (Sens)			5.52	Moderate		4.31
Wetland Stressors (STR)			5.88	Moderate		3.08
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	5.31	Moderate	5.82	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	3.18	Lower	2.40	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.25	Moderate	5.23	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	0.74	Lower	0.96	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.77	Moderate	1.68	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	30.88	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	7.63	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	27.43	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.71	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	13.09	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WI 17**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**09-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	6.09	Moderate	5.82	Moderate	5.86	2.58
Stream Flow & Temperature Support (SFTS)	3.59	Moderate	1.19	Lower	2.29	0.81
Sediment & Toxicant Retention & Stabilisation (SR)	4.76	Moderate	0.70	Lower	5.64	0.85
Phosphorus Retention (PR)	2.10	Lower	0.96	Lower	5.01	1.23
Nitrate Removal & Retention (NR)	2.25	Lower	2.62	Lower	4.72	2.62
Wildfire Resistance (WFR)	0.46	Lower	4.00	Moderate	0.42	4.00
Carbon Stock Preservation (CSP)	3.83	Moderate			5.87	
Carbon Capture (CC)	2.65	Lower			4.12	
Organic Nutrient Export (OE)	6.59	Moderate			3.60	
Aquatic Primary Productivity (APP)	2.51	Lower	6.45	Moderate	3.41	4.93
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 Habitat (AM)	1.24	Lower	1.60	Lower	3.27	3.10
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	7.86	Moderate	1.59	Lower	6.83	1.59
Keystone Mammal Habitat (KMH)	3.67	Moderate	6.00	Higher	4.84	3.33
Native Plant Habitat (PH)	2.55	Lower	2.13	Lower	5.69	2.87
Pollinator Habitat (POL)	9.06	Moderate	0.00	Lower	8.61	0.00
Cultural & Recreational Importance (CRI)			0.19	Lower		0.55
Wetland Sensitivity (Sens)			5.59	Moderate		4.33
Wetland Stressors (STR)			5.88	Moderate		3.08
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	6.09	Moderate	5.82	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	4.00	Moderate	2.02	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	5.41	Moderate	5.13	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	0.74	Lower	0.96	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.77	Moderate	1.68	Lower		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	35.47	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	8.08	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	27.76	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.71	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	13.09	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**

Site Name or ID#:	**West Bay WI 18**
Investigator Name:	**B. Cameron, L. Vicaire, S. Jensen**
Date of Field Assessment:	**09-Oct-26**

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 3.5: Results for this Assessment Area (AA):

Specific Functions or Values:	**Function Score (Normalised)**	Function Rating	**Benefits Score (Normalised)**	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	-1.97	Lower	0.00	Lower	0.18	0.00
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	-1.57	Lower	-0.17	Lower	0.37	0.00
Phosphorus Retention (PR)	-5.48	Lower	-0.30	Lower	0.22	0.00
Nitrate Removal & Retention (NR)	-2.88	Lower	1.14	Lower	1.23	1.14
Wildfire Resistance (WFR)	0.46	Lower	0.00	Lower	0.42	0.00
Carbon Stock Preservation (CSP)	-5.75	Lower			0.24	
Carbon Capture (CC)	-8.18	Lower			1.19	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-4.00	Lower	7.09	Moderate	1.43	5.32
Anadromous Fish Habitat (FA)	3.43	Moderate	2.18	Moderate	2.48	1.20
Resident & Other Fish Habitat (FR)	0.37	Lower	0.00	Lower	0.29	0.00
Amphibian Habitat (AM)	-3.53	Lower	-2.17	Lower	0.39	0.00
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	1.52	Moderate	4.20	Moderate	1.32	4.20
Keystone Mammal Habitat (KMH)	-0.31	Lower	4.00	Moderate	2.47	2.22
Native Plant Habitat (PH)	-7.67	Lower	2.78	Moderate	2.54	3.46
Pollinator Habitat (POL)	3.18	Moderate	6.67	Higher	3.03	6.67
Cultural & Recreational Importance (CRI)			0.50	Lower		0.79
Wetland Sensitivity (Sens)			2.23	Lower		3.25
Wetland Stressors (STR)			1.85	Lower		1.25
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	-1.97	Lower	0.00	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	-2.75	Lower	0.68	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.67	Lower	5.32	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	1.74	Moderate	1.09	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	1.10	Moderate	5.61	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

1. General Description of Tool:

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

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

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

2. Functional WSS Rule Definitions:

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

(HAB 1) Two 'High Scores' OR

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

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

(SUP 1) Three 'High' scores OR

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

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

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

3. Functional WSS Interpretation Results

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	0.00	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	-1.88	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-3.54	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.91	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	6.16	Low

3a. Functional WSS Determination: Automatic Method

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**NO**