APPENDIX J
WETLANDS CHARACTERISTICS, PHOTO LOG, AND WESP-AC FORMS

Wetland ID	Date (yyyy-mm-dd)	Wetland Type	Area (m^2)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/Hydrological Conditions	Fish-Bearing Potential	Dominant Vegetation			Upland Habitat	Associated Watercourse
											Herbaceous	Shrub	Trees		
WL1	2024-07-22	Treed swamp	343,927.00	Full	No	Basin	Outflow	A2: Histic epipedon	High water table; Saturation	Low	Partridgeberry (*Mitchella repens*); Twinflower (*Linnaea borealis*); Creeping snowberry (*Gaultheria hispidula*); Bunchberry (*Cornus canadensis*); Cinnamon fern (*Osmundastrum cinnamomeum*); Two-seeded sedge (*Carex disperma*); Sheep laurel (*Kalmia angustifolia*); Mountain holly (*Ilex mucronata*); Black spuce (*Picea mariana*)	Mountain holly (*Ilex mucronata*); Northern wild raisin (*Viburnum cassinoides*); Back spruce (*Picea mariana*); Speckled alder (*Alnus incana*); Balsam fir (*Abies balsamea*)	Paper birch (*Betula papyrifera*); Black spruce (*Picea mariana*); Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); Tamarack (*Larix laricina*)	Old mulch layer creating rich, organic soil vegetated with diverse vegetation strata and moss cover	WC1; WC3; WC2; WC4
WL2	2024-07-24	Treed swamp	3,875.22	Partial	Yes	Slope	Isolated	A2: Histic epipedon	High water table; Saturation	Low	Red maple (*Acer rubrum*); Two-seeded sedge (*Carex disperma*); Goldthread (*Coptis trifolia*); Twinflower (*Linnaea borealis*)	Mountain holly (*Ilex mucronata*)	Red maple (*Acer rubrum*); Black spruce (*Picea mariana*); Balsam fir (*Abies balsamea)*	Intact mixedwood forest	NA
WL3	2024-07-23	Treed swamp	2,710.66	Full	No	Basin	Isolated	A1: Histosol	High water table; Saturation; Hydrogen sulfide odour	Low	Bunchberry (*Cornus canadensis*); Sheep laurel (*Kalmia angustifolia*); Creeping snowberry (*Gaultheria hispidula*)	Balsam fir (*Abies balsamea)*	Balsam fir (*Abies balsamea*); Black spruce (*Picea mariana*)	Young, shrub dominate coastal boreal softwood forest	NA
WL4	2024-07-31	Treed swamp	5,362.40	Partial	No	Slope	Isolated	A1: Histosol	Surface water; Saturation; High water table	Low	Goldthread (*Coptis trifolia*); Three-seeded sedge (*Carex trisperma*); Cinnamon fern (*Osmundastrum cinnamomeum*); Bracken fern (*Pteridium aquilinum*); Creeping snowberry (*Gaultheria hispidula*)	Black spruce (*Picea mariana*); Balsam fir (*Abies balsamea*): Northern wild raisin (*Viburnum cassinoides*)	Balsam fir (*Abies balsamea*); Black spruce (*Picea mariana*)	Moderately sloping balsam fir dominant softwood forest with many moss covered boulders	NA
WL5	2024-07-23	Treed swamp	3,669.73	Full	No	Basin	Isolated	A1: Histosol	High water table; Saturation	Low	Three-leaved false soloman's seal (*Maianthemum trifolium*); Creeping snowberry (*Gaultheria hispidula*); Bunchberry (*Cornus canadensis);* Goldthread (*Coptis trifolia*); Sheep laurel (*Kalmia angustifolia*); Black spruce (*Picea mariana*); Balsam fir (*Abies balsamea*)	Black spruce (*Picea mariana*); Mountain holly (*Ilex mucronata*); Northern wild raisin (*Viburnum cassinoides*); Balsam fir (*Abies balsamea)*	Balsam fir (*Abies balsamea);* Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	Young, shrub dominant spruce forest	NA
WL6	2024-07-30	Bog	560.95	Full	No	Basin	Isolated	A1: Histosol	Saturation; High water table	Low	Three-seeded sedge (*Carex trisperma*)	American mountain ash (*Sorbus americana*); Northern wild raisin (*Viburnum cassinoides*); Red maple (*Acer rubrum*); Sheep laurel (*Kalmia angustifolia*)	Balsam fir (*Abies balsamea*)	Moderately sloping mixedwood forest	NA
WL7	2024-07-30	Treed swamp; Shrub swamp	2,812.46	Full	No	Basin	Isolated	A1: Histosol	Saturation; High water table; Hydrogen sulfide odour	Low	Northern wild raisin (*Viburnum cassinoides*); Cinnamon fern (*Osmundastrum cinnamomeum*); Wild lily-of-the-valley (*Maianthemum canadense*); Fowl manna grass (*Glyceria striata*); Three-seeded sedge (*Carex trisperma*); Round-leaved sundew (*Drosera rotundifolia*)	Balsam fir (*Abies balsamea*); Mountain holly (*Ilex mucronata*)	Black spruce (*Picea mariana*); Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Moderately sloping balsam fir forest with mature trees	NA
WL8	2024-07-30	Shrub swamp	917.15	Full	No	Basin	Isolated	A1: Histosol	Saturation; Sparsely vegetated concave surface	Low	Sheep laurel (*Kalmia angustifolia*); American mountain ash (*Sorbus americana*); Three-seeded sedge (*Carex trisperma*); Tawny cottongrass (*Eriophorum virginicum*); Bunchberry (*Cornus canadensis*)	Balsam fir (*Abies balsamea*); Black spruce (*Picea mariana*); Mountain holly (*Ilex mucronata*)	Balsam fir (*Abies balsamea);* Black spruce (*Picea mariana*)	Moderate sloping balsam fir dominant forest	NA
WL9	2024-07-31	Shrub swamp; Treed swamp	2,197.91	Partial	No	Slope	Isolated	A1: Histosol	Saturation; High water table	Low	Bunchberry (*Cornus canadensis*); Three-seeded sedge (*Carex trisperma*); Fowl manna grass (*Glyceria striata*); Sheep laurel (*Kalmia angustifolia*); Northern wild raisin (*Viburnum cassinoides*); Wild sarsaparilla (*Aralia nudicaulis*)	Black spruce (*Picea mariana*); Mountain holly (*Ilex mucronata*); Northern wild raisin (*Viburnum cassinoides*); Balsam fir (*Abies balsamea*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); Black spruce (*Picea mariana*)	Moderate sloping balsam fir dominant young forest with shallow soil	NA
WL10	2024-07-30	Treed swamp	3,244.41	Partial	No	Slope	Isolated	A1: Histosol	High water table; Saturation; Hydrogen sulfide odour	Low	Hay-scented fern (*Dennstaedtia punctilobula*); Cinnamon fern (*Osmundastrum cinnamomeum*); Bog aster (*Oclemena nemoralis*); Rough-stemmed goldenrod (*Solidago rugosa*)	Balsam fir (*Abies balsamea*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Mature softwood forest	NA

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											Herbaceous	Shrub	Trees		
WL11	2024-07-30	Shrub swamp; Fen; Treed swamp	48,302.00	Partial	No	Slope	Isolated	A1: Histosol	Surface water; Saturation; Sparsely vegetated concave surface	Low	Common Labrador tea (*Rhododendron groenlandicum*); *Scirpus spp.*; Tawny cottongrass (*Eriophorum virginicum*); Three-seeded sedge (*Carex trisperma*); Northern wild raisin (*Viburnum cassinoides*)	Red maple (*Acer rubrum*); Northern wild raisin (*Viburnum cassinoides*); Mountain holly (*Ilex mucronata*); Speckled alder (*Alnus incana*); Balsam fir (*Abies balsamea*); Black spruce (*Picea mariana*)	Balsam fir (*Abies balsamea*); Black spruce (*Picea mariana*); Red maple (*Acer rubrum*)	Previously clearcut early successional habitat with shrub species dominant	NA
WL12	2024-07-31	Shrub swamp	482.97	Full	No	Basin	Isolated	A1: Histosol	High water table; Saturation	Low	Bog aster (*Oclemena nemoralis*); Tawny cottongrass (*Eriophorum virginicum*); Common woolly bulrush (*Scirpus cyperinus*); Northern wild raisin (*Viburnum cassinoides*); Late lowbush blueberry (*Vaccinium angustifolium*)	Green alder (*Alnus alnobetula*); Balsam fir (*Abies balsamea)*	---	North sloping cut area with regeneration present	NA
WL13	2024-07-31	Shrub swamp	2,466.67	Full	No	Basin	Isolated	A1: Histosol	Saturation; High water table	Low	Soft rush (*Juncus effusus*); Common woolly bulrush (*Scirpus cyperinus*); Cinnamon fern (*Osmundastrum cinnamomeum*)	Northern wild raisin (*Viburnum cassinoides*): Green alder (*Alnus alnobetula*)	---	Previously cleared forst stand with cut stumps and strong herb layer	NA
WL14	2024-08-06	Shrub swamp	1,586.36	Full	No	Basin	Isolated	F3: Depleted matrix	High water table; Saturation; Water marks; Sparsely vegetated concave surface	Low	Common woolly bulrush (*Scirpus cyperinus*)	---	---	Raised area with very dry depleted soils	NA
WL15	2024-08-06	Treed swamp; Shrub swamp	464.72	Full	No	Basin	Isolated	A1: Histosol	Saturation	Low	Common Labrador tea (*Rhododendron groenlandicum*); Sweet gale (*Myrica gale*); Late lowbush blueberry (*Vaccinium angustifolium*); Bunchberry (*Cornus canadensis*); Wild lily-of-the-valley (*Maianthemum canadense*); Sheep laurel (*Kalmia angustifolia*); Small cranberry (*Vaccinium oxycoccos*); Bog rosemary (*Andromeda polifolia*)	Northern wild raisin (*Viburnum cassinoides*); Green alder (*Alnus alnobetula*)	---	Raised knoll with dry, well defined soil strata	NA
WL16	2024-08-06	Shrub swamp; Treed swamp	7,228.08	Partial	No	Basin	Outflow	F3: Depleted matrix	Surface water; Saturation; High water table	Low	Northern pitcher plant (*Sarracenia purpurea*); Common woolly bulrush (*Scirpus cyperinus*); Common Labrador tea (*Rhododendron groenlandicum*)	Green alder (*Alnus alnobetula*)	Tamarack (*Larix laricina*); Yellow birch (*Betula alleghaniensis*)	Shrub dominant habitat with strong herb presence	WC5
WL17	2024-08-06	Treed swamp; Shrub swamp; Bog	52,385.60	Full	No	Slope	Throughflow	F3: Depleted matrix	Sparsely vegetated concave surface; Drainage patterns	High	Canada manna grass (*Glyceria canadensis*); White meadowsweet (*Spiraea alba*)	Green alder (*Alnus alnobetula*)	---	Hardwood dominant mixedwood forest with abundant young hardwoods and more sparse, older softwoods	WC6; WC7
WL18	2024-07-31	Bog	2,987.47	Full	No	Basin	Outflow	A1: Histosol	Surface water; High water table; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odour	Low	Common woolly bulrush (*Scirpus cyperinus*); Bog aster (*Oclemena nemoralis*)	Alder 10%	---	Disturbed area with young mixedwood trees regenrating	WC5
WL19	2024-07-30	Marsh	3,635.11	Partial	Yes	Basin	Outflow	F2: Loamy Gleyed Matrix	Surface water; Saturation; High water table	Low	Jointed rush (*Juncus articulatus*); Field horsetail (*Equisetum arvense*); Eastern marsh fern (*Thelypteris palustris*)	Speckled alder (*Alnus incana*)	---	Scrubby slopes with rock piles from historic mining	WC10
WL20	2024-07-30	Shrub swamp	684.35	Full	No	Basin	Isolated	A1: Histosol	Saturation	Low	Soft rush (*Juncus effusus*); Bristly dewberry (*Rubus hispidus*); Three-leaved false soloman's seal (*Maianthemum trifolium*); Broad-leaved cattail (*Typha latifolia*)	Green alder (*Alnus alnobetula*); Northern wild raisin (*Viburnum cassinoides*)	---	Heavily mined area with regenerating shrubs and dry soils	NA
WL21	2024-07-31	Treed swamp; Shrub swamp	156.38	Partial	No	Basin	Isolated	A1: Histosol	Saturation	Low	Common Labrador tea (*Rhododendron groenlandicum*); Purple-stemmed aster (*Symphyotrichum puniceum*); Creeping snowberry (*Gaultheria hispidula*)	American mountain ash (*Sorbus americana*); Green alder (*Alnus alnobetula*); Balsam fir (*Abies balsamea*); Northern wild raisin (*Viburnum cassinoides*); Common winterberry (*Ilex verticillata*)	---	East sloping regenerating area with remnant tree stumps	NA
WL22	2024-07-30	Shrub swamp	202.46	Partial	No	Basin	Isolated	A1: Histosol	Surface water; Saturation; High water table	Low	Bristly dewberry (*Rubus hispidus*); Common woolly bulrush (*Scirpus cyperinus*); Sweet gale (*Myrica gale*)	Green alder (*Alnus alnobetula*); Balsam fir (*Abies balsamea*); Mountain holly (*Ilex mucronata*)	---	Herb dominant area with minimal shrubs	NA

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											Herbaceous	Shrub	Trees		
WL23	2024-07-30	Marsh	436.16	Full	No	Basin	Isolated	A1: Histosol	Surface water; Saturation; High water table	Low	Common woolly bulrush (*Scirpus cyperinus*); Broad-leaved cattail (*Typha latifolia*)	---	---	South sloping habitat with dry soil and no tree cover	NA
WL24	2024-07-29	Fen	1,881.36	Full	No	Basin	Throughflow	A1: Histosol	Saturation	Low	Fowl manna grass (*Glyceria striata*); Bristly dewberry (*Rubus hispidus*); Crested wood fern (*Dryopteris cristata*)	Green alder (*Alnus alnobetula*); Red raspberry (*Rubus idaeus*)	---	North sloping habitat with herbaceous vegetation dominant	WC11
WL25	2024-07-29	Shrub swamp	2,699.15	Full	No	Basin	Throughflow	A1: Histosol	Saturation	High	Tawny cottongrass (*Eriophorum virginicum*); Common woolly bulrush (*Scirpus cyperinus*)	---	---	Sloped habitat	WC11
WL26	2024-07-30	Shrub swamp	1,627.26	Full	Yes	Basin	Outflow	F3: Depleted Matrix	Surface water; Saturation	Low	Jointed rush (*Juncus articulatus*); Soft rush (*Juncus effusus*); Eastern marsh fern (*Thelypteris palustris*); Field horsetail (*Equisetum arvense*)	Speckled alder (*Alnus incana*)	---	Sloped habitat with rocky, shrub dominated shallow soils	NA
WL27	2024-07-31	Shrub swamp; Treed swamp	1,217.06	Full	Yes	Basin	Isolated	A1: Histosol	Saturation	Low	Common woolly bulrush (*Scirpus cyperinus*); Red raspberry (*Rubus idaeus*)	---	---	Cutover slope with regenerating shrubs, mainly composed of Ericaceous species	NA
WL28	2024-08-01	Shrub swamp	2,519.04	Full	No	Basin	Outflow	A2: Histic epipedon	Surface water; Saturation; High water table	Low	Common woolly bulrush (*Scirpus cyperinus*)	Bebb's willow (*Salix bebbiana)*	---	Boulder field upslope of wetland with shallow layer of topsoil	WC8
WL29	2024-08-01	Fen	3,718.12	Partial	No	Basin	Throughflow	A1: Histosol	Surface water; Saturation; High water table	High	Tawny cottongrass (*Eriophorum virginicum*); Three-seeded sedge (*Carex trisperma*); Common woolly bulrush (*Scirpus cyperinus*)	Green alder (*Alnus alnobetula*)	---	Previously vegetated cutover area with hardwood dominant mixedwood regeneration	WC8; WC9
WL30	2024-08-01	Shrub swamp	1,820.29	Partial	No	Basin	Isolated	A1: Histosol	Saturation	Low	Creeping snowberry (*Gaultheria hispidula*); Cinnamon fern (*Osmundastrum cinnamomeum*)	Mountain holly (*Ilex mucronata*); Paper birch (*Betula papyrifera*); Balsam fir (*Abies balsamea*); Northern wild raisin (*Viburnum cassinoides*)	Paper birch (*Betula papyrifera*); Red spruce (*Picea rubens*); Balsam fir (*Abies balsamea*)	Previously clearcut, Ericaceous shrub dominated landscape	NA
WL31	2024-08-01	Shrub swamp	4,288.79	Full	-	Basin	Isolated	A1: Histosol	Surface water; Saturation; High water table	Low	Canada manna grass (*Glyceria canadensis*); Soft rush (*Juncus effusus*)	---	---	Previously cut area with softwood dominant mixedwood regeneration and rocky substrate	NA
WL32	2024-08-01	Shrub swamp	2,144.48	Partial	No	Basin	Isolated	A1: Histosol	High water table; Saturation	Low	Common woolly bulrush (*Scirpus cyperinus*); Fowl manna grass (*Glyceria striata*); Common Labrador tea (*Rhododendron groenlandicum*); Creeping snowberry (*Gaultheria hispidula*); Tawny cottongrass (*Eriophorum virginicum*); Cinnamon fern (*Osmundastrum cinnamomeum*)	Red spruce (*Picea rubens*); Red maple (*Acer rubrum*)	---	Cutover area with hardwood dominant mixedwood regenerating vegetation	NA
WL33	2024-08-27	Treed swamp	380.16	Partial	No	Basin	Isolated	A1: Histosol	Saturation	Low	Common woolly bulrush (*Scirpus cyperinus*); Red raspberry (*Rubus idaeus*); Tawny cottongrass (*Eriophorum virginicum*); Late lowbush blueberry (*Vaccinium angustifolium*)	Northern wild raisin (*Viburnum cassinoides*); Green alder (*Alnus alnobetula*)	---	Cutover area with regenerating Ericaceous shrubs near toe of slope	NA
WL34	2024-08-27	Treed swamp; Shrub swamp	7,879.12	Partial	No	Basin	Isolated	A1: Histosol	Saturation	Low	Bunchberry (*Cornus canadensis*); Hairy flat-top white aster (*Doellingeria umbellata*); Tawny cottongrass (*Eriophorum virginicum*); Creeping snowberry (*Gaultheria hispidula*); Bristly dewberry (*Rubus hispidus*); Sheep laurel (*Kalmia angustifolia*)	Sheep laurel (*Kalmia angustifolia*); Balsam fir (*Abis balsamea*); Northern wild raisin (*Viburnum cassinoides*)	---	Cutover area adjacent to old road with regenerating mixedwood vegetation and strong herbaceous layer	NA
WL35	2024-08-27	Bog	3,798.59	Partial	No	Basin	Isolated	A1: Histosol	Saturation	Low	Sheep laurel (*Kalmia angustifolia*); Three-leaved false soloman's seal (*Maianthemum trifolium*); Tawny cottongrass (*Eriophorum virginicum*); Cinnamon fern (*Osmundastrum cinnamomeum*)	Red spruce (*Picea rubens*); Balsam fir (*Abies balsamea*)	---	Cutover area with primarily deciduous species regenerating	NA
WL36	2024-08-26	Shrub swamp	3,573.37	Full	Yes	Basin	Isolated	A1: Histosol	Surface water; Saturation; High water table	Low	Small cranberry (*Vaccinium oxycoccos*); Tawny cottongrass (*Eriophorum virginicum*); Hairy flat-top white aster (*Doellingeria umbellata*)	Green alder (*Alnus alnobetula*); Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	---	Old road uplslope of wetland surrounded with shrub and herb dominated vegetation and some exposed bedrock	NA

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											Herbaceous	Shrub	Trees		
WL37	2024-07-30	Shrub swamp; Fen	10,451.90	Full	No	Basin	Throughflow	A1: Histosol	Saturation; High water table	High	Tawny cottongrass (*Eriophorum virginicum*); Purple-stemmed aster (*Symphyotrichum puniceum*); Broad-leaved cattail (*Typha latifolia*)	Green alder (*Alnus alnobetula*)	---	Hardwood forest stand with heavy herb presence and invasive species identified	WC11
WL38	2024-07-31	Shrub swamp	1,380.84	Full	No	Basin	Isolated	A1: Histosol	Saturation	Low	Wild strawberry (*Fragaria virginiana*); Fowl manna grass (*Glyceria striata*); Red raspberry (*Rubus idaeus*)	Northern wild raisin (*Viburnum cassinoides*); Bebb's willow (*Salix bebbiana)*	---	South sloping habitat with small amounts of regenerating softwood trees and a dominant herb presence	NA
WL39	2024-07-30	Fen	2,293.93	Full	No	Basin	Throughflow	A1: Histosol	Surface water; Saturation	High	Broad-leaved cattail (*Typha latifolia*); Three-seeded sedge (*Carex trisperma*); Common Labrador tea (*Rhododendron groenlandicum*); Late lowbush blueberry (*Vaccinium angustifolium*); Hairy flat-top white aster (*Doellingeria umbellata*)	Red spruce (*Picea rubens*); Northern wild raisin (*Viburnum cassinoides*); Speckled alder (*Alnus incana*)	---	Sparsely vegetated, shrubby habitat sloping towards wetland and watercourse	WC11
WL40	2024-07-29	Treed swamp	1,682.21	Partial	No	Basin	Isolated	A2: Histic epipedon	Surface water; High water table	Low	Wild sarsaparilla (*Aralia nudicaulis*); Bunchberry (*Cornus canadensis*); Late lowbush blueberry (*Vaccinium angustifolium*); Sheep laurel (*Kalmia angustifolia*); Wild lily-of-the-valley (*Maianthemum canadense*); Cinnamon fern (*Osmundastrum cinnamomeum*)	Balsam fir (*Abies balsamea*)	Balsam fir (*Abies balsamea*); Red spruce (*Picea rubens*); Paper birch (*Betula papyrifera*)	North sloping habitat with herbaceous vegetation dominant and scattered softwood shrubs and trees	NA
WL41	2024-07-29	Fen	461.00	Partial	No	Floodplain	Throughflow	A2: Histic epipedon	High water table; Surface water	High	Sensitive fern (*Onoclea sensibilis*); Common woolly bulrush (*Scirpus cyperinus*); Tawny cottongrass (*Eriophorum virginicum*)	---	---	Potential softwood plantation with evidence of an old road present	WC12
WL42	2024-08-28	Shrub swamp; Fen	304.23	Full	No	Floodplain	Bi-directional Non-tidal	F3: Depleted matrix	Saturation	High	Bluejoint reed grass (*Calamagrostis canadensis*); Sweet gale (*Myrica gale*); Sensitive fern (*Onoclea sensibilis*)	Green alder (*Alnus alnobetula*)	---	Softwood dominated forest with few hardwood trees present individuals	NA
WL43	2024-08-28	Shrub swamp	1,129.59	Full	No	Fringe	Throughflow	A1: Histosol	Saturation	High	Hairy flat-top white aster (*Doellingeria umbellata*); Red raspberry (*Rubus idaeus*); Three-seeded sedge (*Carex trisperma*); Cinnamon fern (*Osmundastrum cinnamomeum*)	Green alder (*Alnus alnobetula*)	Red maple (*Acer rubrum*); Red spruce (*Picea rubens*); Balsam fir (*Abies balsamea*)	Softwood dominant forest with moss covered ground and strong herb layer	WC11
WL44	2024-08-28	Treed swamp; Shrub swamp	22,281.30	Full	No	Slope	Throughflow	A1: Histosol	Saturation	Low	Bracken fern (*Pteridium aquilinum*); Cinnamon fern (*Osmundastrum cinnamomeum*); Bluejoint reed grass (*Calamagrostis canadensis*); Hairy flat-top white aster (*Doellingeria umbellata*); Bunchberry (*Cornus canadensis*); Creeping snowberry (*Gaultheria hispidula*)	Northern wild raisin (*Viburnum cassinoides*)	---	Herb dominant area near coastline	WC13
WL45	2024-08-27	Treed swamp	3,824.40	Partial	No	Basin	Isolated	A1: Histosol	Saturation	Low	Soft rush (*Juncus effusus*); Cinnamon fern (*Osmundastrum cinnamomeum*); Sheep laurel (*Kalmia angustifolia*); Bristly dewberry (*Rubus hispidus*); Alleghaney blackberry (*Rubus allegheniensis*)	Green alder (*Alnus alnobetula*); Balsam fir (*Abies balsamea*)	---	Disturbed, cutover site with prominent regenerating softwood vegetation and abundant ericaceous species	NA
WL46	2024-08-27	Treed swamp	483.20	Partial	No	Basin	Isolated	A1: Histosol	Saturation	Low	Common woolly bulrush (*Scirpus cyperinus*); Soft rush (*Juncus effusus*); Bristly dewberry (*Rubus hispidus*)	---	---	Cutover area upslope of wetland with brambles regenerating	NA
WL47	2024-08-28	Shrub swamp	1,899.35	Full	No	Basin	Isolated	A1: Histosol	Saturation	Low	Common woolly bulrush (*Scirpus cyperinus*)	Green alder (*Alnus alnobetula*); Northern wild raisin (*Viburnum cassinoides*)	---	Cutover area near coastline with low heath species, scattered ferns, and softwood trees regenerating and a significant organic layer over dry soil	NA

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											Herbaceous	Shrub	Trees		
WL48	2024-08-29	Shrub swamp; Treed swamp; Fen	209.88	Partial	No	Basin	Throughflow	F3: Depleted matrix	Saturation; Hydrogen sulfide odour; High water table; Surface water	High	Common Labrador tea (*Rhododendron groenlandicum*); Tawny cottongrass (*Eriophorum virginicum*); Cinnamon fern (*Osmundastrum cinnamomeum*); Bog aster (*Oclemena nemoralis*); Small cranberry (*Vaccinium oxycoccos*); Bunchberry (*Cornus canadensis*)	Northern wild raisin (*Viburnum cassinoides*); Tamarack (*Larix laricina*); Red spruce (*Picea rubens*); Sheep laurel (*Kalmia angustifolia*); Green alder (*Alnus alnobetula*)	Red spruce (*Picea rubens*); Balsam fir (*Abies balsamea*)	Softwood dominant mixedwood forest with abundant deadfall	NA
WL49	2024-09-26	Treed swamp	435.02	Partial	No	Basin	Throughflow	A1: Histosol	Surface water; Saturation; Drainage patterns	High	Sheep laurel (*Kalmia angustifolia*); Tawny cottongrass (*Eriophorum virginicum*); Creeping snowberry (*Gaultheria hispidula*); Bunchberry (*Cornus canadensis*); Canada manna grass (*Glyceria canadensis*); Goldthread (*Coptis trifolia*); Common Labrador tea (*Rhododendron groenlandicum*); Black spruce (*Picea mariana*); *Carex spp.*	Black spruce (*Picea mariana*); Northern wild raisin (*Viburnum cassinoides*); Mountain holly (*Ilex mucronata*)	Black spruce (*Picea mariana*)	Softwood dominant forest with slight slope.	WC14
WL50	2024-09-26	Treed swamp	490.15	Partial	No	Slope	Isolated	A1: Histosol	Saturation; Drainage patterns	Low	Twinflower (*Linnaea borealis*); Bunchberry (*Cornus canadensis*); Creeping snowberry (*Gaultheria hispidula*); Sheep laurel (*Kalmia angustifolia*); Common Labrador tea (*Rhododendron groenlandicum*); Canada manna grass (*Glyceria canadensis*); Northern starflower (*Lysimachia borealis*); Cinnamon fern (*Osmundastrum cinnamomeum*)	Northern wild raisin (*Viburnum cassinoides*); Mountain holly (*Ilex mucronata*); Balsam fir (*Abies balsamea*); Black spruce (*Picea rubens*)	Balsam fir (*Abies balsamea*); Paper birch (*Betula papyrifera*)	Softwood dominant forest	NA
WL51	2024-09-26	Treed swamp	169.20	Partial	No	Basin	Isolated	A1: Histosol	Saturation; Sparsely vegetated concave surface	Low	Cinnamon fern (*Osmundastrum cinnamomeum*); Goldthread (*Coptis trifolia*); Bunchberry (*Cornus canadensis*); Creeping snowberry (*Gaultheria hispidula*); Northern beech fern (*Phegopteris connectilis*); Tall meadow rue (*Thalictrum pubescens*); American mountain ash (*Sorbus americana*)	Sheep laurel (*Kalmia angustifolia*); Balsam fir (*Abies balsamea*); Speckled alder (*Alnus incana*); Northern wild raisin (*Viburnum cassinoides*)	Tamarack (*Larix laricina*); Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Softwood dominant forest, mainly flat	NA
WL52	2025-09-26	Treed Swamp	1,457.52	Partial		Flat	Throughflow	A2: Histic epipedon	Saturation	Low	Bunchberry (*Cornus canadensis*); Three-seeded sedge (*Carex trisperma*); Creeping snowberry (*Gaultheria hispidula*)	Norhtern wild raisin (*Viburnum cassinoides*); Balsam fir (*Abies balsamea*); Common labrador tea (*Rhododendron groenlandicum*); Sheep laurel (*Kalmia angustifolia*)	Balsam fir (*Abies balsamea*); Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	Softwood forest with mixed shrub cover	WC16
WL53	2025-09-26	Treed Swamp	510.62	Partial	No	Flat	Isolated	A1: Histosol	Saturation	Low	Bunchberry (*Cornus canadensis*); Narrow-leaved cottongrass (*Eriophorum angustifolium*); Three-seeded sedge (*Carex trisperma*); Sheep laurel (*Kalmia angustifolia*)	Norhtern wild raisin (*Viburnum cassinoides*); Black spruce (*Picea mariana*); Balsam fir (*Abies balsamea*); Mountain holly (*Ilex mucronata*)	Balsam fir (*Abies balsamea*); Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	Softwood forest with mixed shrub cover	
WL54	2025-08-14	Bog	1,886.21	Partial	No	Basin	Inflow	A1: Histosol	Saturation; Saturation visible on aerial imagery; Stunted or stressed plants	Low	Northern pitcher plant (*Sarracenia purpurea*); Narrow-leaved cottongrass (*Eriophorum angustifolium*) Bluejoint reed grass (*Calamagrostis canadensis*); Three-leaved false Soloman's seal (*Maianthemum trifolium*); Small cranberry (*Vaccinnium oxycoccos*)	Balsam fir (*Abies balsamea*); Tamarack (*Larix laricina*); Speckled alder (*Alnus incana*); Sheep laurel (*Kalmia angustifolia*) Common labrador tea (*Rhododendron groenlandicum*)	Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	Softwood forest with shallow soil	
WL55	2025-08-14	Treed Swamp	1,009.34	Partial	No	Slope	Inflow	F8: redox Depressions	Saturation	Low	Cinnamon fern (*Osmundastrum cinnamomeum*); Northern pitcher plant (*Sarracenia purpurea*); Bunchberry (*Cornus canadensis*)	Mountain holly (*Ilex mucronata*); Speckled alder (*Alnus incana*); Black spruce (*Picea mariana*); Red maple (*Acer rubrum*)	Black spruce (*Picea mariana*); Red maple (*Acer rubrum*)	Softwood forest with deciduous shrub cover	

Wetland ID	Date (yyyy-mm-dd)	Wetland Type	Area (m^2)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/Hydrological Conditions	Fish-Bearing Potential	Dominant Vegetation			Upland Habitat	Associated Watercourse
											Herbaceous	Shrub	Trees		
WL56	2025-08-14	Treed Swamp	67.61	Partial	No	Flat	Inflow	A1: Histosol	Saturation	Low	Three-seeded sedge (*Carex trisperma*); Goldthread (*Coptis trifolia*); Northern starflower (*Lysimachia borealis*); Twinflower (*Linnaea borealis*)	Northern wild raisin (*Viburnum cassinoides);* Sheep laurel (*Kalmia angustifolia*); Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); American mountain ash (*Sorbus americana*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Mixedwood forest with deciduous shrub cover	
WL57	2025-08-15	Treed swamp	1,108.82	Partial	No	Slope	Inflow	A1: Histosol	High water table; Saturation	Low	Cinnamon fern (*Osmundastrum cinnamomeum*); Bunchberry (*Cornus canadensis*); Sheep laurel (*Kalmia angustifolia*); Common Labrador tea (*Rhododendron groenlandicum*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); Mountain holly (*Ilex mucronata*)	Red maple (*Acer rubrum*); Paper birch (*Betula papyrifera*)	Softwood forest with dense deciduous shrub cover and shallow soil	
WL58	2025-08-15	Treed swamp	641.34	Partial	No	Slope	Inflow	A2: Histic epipedon	Saturation	Low	Cinnamon fern (*Osmundastrum cinnamomeum*); Bunchberry (*Cornus canadensis*)	American mountain ash (*Sorbus americana*); Northern wild raisin (*Viburnum cassinoides*); Mountain holly (*Ilex mucronata*)	Red spruce (*Picea rubens*); Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Softwood forest with dense deciduous shrub cover	
WL59	2025-08-15	Treed Swamp	501.82	Partial	No	Flat	Isolated	A1: Histosol	Saturation	Low	Bunchberry (*Cornus canadensis*); Creeping snowberry (*Gaultheria hispidula*)	Speckled alder (*Alnus incana*); Balsam fir (*Abies balsamea*); Northern wild raisin (*Viburnum cassinoides*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Mixedwood forest with shallow soil	
WL60	2025-08-20	Treed Swamp	732.82	Full	No	Slope	Isolated	---	Water Marks; Water stained leaves, Drainage patterns; Moss trim lines; Dry-season water table	Low	Onoclea sensibilis (*Sensitive Fern*); Cinnamon fern (*Osmundastrum cinnamomeum*); New York aster (*Symphotrichum novi-belgii*); Twinflower (*Linnaea borealis*); Goldthread (*Coptis trifolia*)	Common winterberry (*Ilex verticillata*); Speckled alder (*Alnus incana*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); Black spruce (*Picea mariana*)	Softwood forest	
WL61	2025-08-20	Treed Swamp	457.89	Full	No	Basin	Isolated	---	High water table; Saturation; Water marks; Water-stained leaves; Moss trim lines; Microtopographic relief	Low	Bunchberry (*Cornus canadensis*); Sheep laurel (*Kalmia angustifolia*); Wild Lily-of-the-valley (*Maianthemum canadense*); Common Labrador tea (*Rhododendron groenlandicum*); Northern pitcher pant (*Sarracenia purpurea*)	Common winterberry (*Ilex verticillata*); Speckled alder (*Alnus incana*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	Softwood forest with a deciduous shrub layer	
WL62	2025-08-20	Shrub Swamp	6,495.95	Partial	No	Flat	Throughflow	---	Surface water; High water table; Saturation; Inundation visible on aerial imagery; Moss trim lines; Saturation visible on aerial imagery; Mictrotopographic relief	High	Twinflower (*Linnaea borealis*); Bunchberry (*Cornus canadensis*); Northern pitcher pant (*Sarracenia purpurea*); Bog rosemary (*Andromeda polifolia*); Soft rush (*Juncus effusus*)	Common winterberry (*Ilex verticillata*); Speckled alder (*Alnus incana*); Inkberry (*Ilex glabra*); Northern wild raisin (*Viburnum cassinoides*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); Black spruce (*Picea mariana*); Tamarack (*Larix laricina*); Yellow birch (*Betula alleghaniensis*)	Softwood forest with a deciduous shrub layer	WC19
WL63	2025-08-20	Shrub Swamp	3,871.22	Partial	No	Basin	Isolated	---	High Water Table; Saturation; Water Marks; Inundation Visible on Aerial Imagery; Hydrogen Sulfide odour; Surface Soil Cracks; Moss Trim Lines; Saturation Visible on Aerial Imagery; Shallow Aquitard	Low	Bunchberry (*Cornus canadensis*); Northern pitcher pant (*Sarracenia purpurea*); Tawny cottongrass (*Eriophorum virginicum*); Round-leaved sundew (*Drosera rotundifolia*)	Common winterberry (*Ilex verticillata*); Speckled alder (*Alnus incana*);Northern wild raisin (*Viburnum cassinoides*)	Tamarack (*Larix laricina*)	Softwood forest with a deciduous shrub layer	
WL64	2025-08-20	Shrub Swamp	1,002.47	Partial	No	Basin	Isolated	A1: Histosol	Water Marks; Inundation Visible on Aerial Imagery; Surface Soil Cracks; Moss Trim Lines; Dry-season Water Table; Saturation Visible on Aerial Imagery	Low	Wild Lily-of-the-valley (*Maianthemum canadense*); Common Labrador tea (*Rhododendron groenlandicum*); Northern pitcher pant (*Sarracenia purpurea*); Cinnamon fern (*Osmundastrum cinnamomeum*)	Speckled alder (*Alnus incana*); Inkberry (*Ilex glabra*); Northern wild raisin (*Viburnum cassinoides*)	Red maple (*Acer rubrum*); Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	Softwood forest	
WL65	2025-08-12	Treed Swamp	5,626.10	Partial	No	Flat	Isolated	A1: Histosol	Saturation	Low	Bunchberry (*Cornus canadensis*); Cinnamon fern (*Osmundastrum cinnamomeum*); Three-seeded sedge (*Carex trisperma*); Northern starflower (*Linnaea borealis*); Creeping snowberry (*Gaultheria hispidula*); Royal fern (*Osmunda regalis*)	Speckled alder (*Alnus incana*); Red spruce (*Picea rubens*); Balsam fir (*Abies balsamea*)	Black spruce (*Picea mariana*); Tamarack (*Larix laricina*); Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Softwood forest with shallow soil	
WL66	2024-10-31	Shrub swamp	354.45	Partial	No	Basin	Isolated	A1: Histosol	Surface water; Saturation; High water table	High	Cinnamon fern (*Osmundastrum cinnamomeum*); Goldthread (*Coptis trifolia*); Twinflower *(Linnea borealis*); Bunchberry (*Cornus canadensis*); Canada manna grass (*Glyceria canadensis*)	Speckled alder (*Alnus incana*); Northern wild raisin (*Viburnum cassanoides*); Balam fir (*Abies balsamea*); Black spruce *(Picea mariana*)	Red maple (*Acer rubrum*); Balsam fir (*Abies balsamea*); Red spruce (*Picea rubens*)	Mixedwood forest with some patches of clearcut and windthrow	

Wetland ID	Date (yyyy-mm-dd)	Wetland Type	Area (m^2)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/Hydrological Conditions	Fish-Bearing Potential	Dominant Vegetation			Upland Habitat	Associated Watercourse
											Herbaceous	Shrub	Trees		
WL67	2025-08-11	Treed Swamp	807.96	Partial	No	Flat	Isolated	A1: Histosol	Saturation	Low	Bunchberry (*Cornus canadensis*); Three-seeded sedge (*Carex trisperma*); Cinnamon fern (*Osmundastrum cinnamomeum*); Twinflower (*Linnaea borealis*); Common Labrador tea (*Rhododendron groenlandicum*); Creeping snowberry (*Gaultheria hispidula*)	Black spruce (*Picea mariana*); Red maple (*Acer rubrum*); Speckled alder (*Alnus incana*)	Black spruce (*Picea mariana*); Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); Speckled alder (*Alnus incana*)	Mixedwood forest with shallow soil	
WL68	2025-08-12	Treed Swamp	707.31	Partial	No	Slope	Isolated	A1: Histosol	Saturation	Low	Bunchberry (*Cornus canadensis*); Twinflower (*Linnaea boealis*); Cinnamon fern (*Osmundastrum cinnamomeum*); Three-seeded sedge (*Carex trisperma*); Northern starflower (*Linnaea borealis*)	Red spruce (*Picea rubens*); Red maple (*Acer rubrum*); Balsman fir (*Abies balsamea*); Northern wild raisin (*Viburnum cassinoides*); Speckled alder (*Alnus incana*)	Black spruce (*Picea mariana*); Red maple (*Acer rubrum*); Balsam fir (*Abies balsamea*)	Softwood forest with shallow soil	
WL69	2025-08-12	Treed Swamp	8,417.68	Partial	No	Flat	Isolated	A1: Histosol	Saturation; Water marks	Low	Common Labrador tea (*Rhododendron groenlandicum*); Creeping snowberry (*Gaultheria hispidula*); Northern pitcher plant (*Sarracenia purpurea*); Bunchberry (*Cornus canadensis*); Goldthread (*Coptis trifolia*); Twinflower (*Linnaea boealis*); Red spruce (*Picea rubens*)	Black spruce (*Picea mariana*); Red maple (*Acer rubrum*); Balsman fir (*Abies balsamea*); Northern wild raisin (*Viburnum cassinoides*)	Black spruce (*Picea mariana*); Red maple (*Acer rubrum*); Speckled alder (*Alnus incana*); Tamarack (*Larix laricina*); Balsam fir (*Abies balsamea*)	Softwood forest with shallow soil	
WL70	2025-08-11	Bog	4,963.15	Partial	No	Flat	Isolated	A1: Histosol	High water table; Saturation	Low	Bunchberry (*Cornus canadensis*); Common Labrador tea (*Rhododendron groenlandicum*); Creeping snowberry (*Gaultheria hispidula*); Northern wild raisin (*Viburnum cassinoides*); Northern pitcher plant (*Sarracenia purpurea*)	Northern wild raisin (*Viburnum cassinoides);* Red spruce (*Picea rubens*); Tamarack (*Larix laricina*)	Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	Softwood forest with dense deciduous shrub cover and shallow soil	
WL71	2025-08-11	Treed Swamp	10,274.80	Partial	No	Flat	Isolated	A1: Histosol	Surface water; Saturation	Low	Common Labrador tea (*Rhododendron groenlandicum*); Creeping snowberry (*Gaultheria hispidula*); Cinnamon fern (*Osmundastrum cinnamomeum*); Twinflower (*Linaea borealis*), Red spruce (*Picea rubens*)	Black spruce (*Picea mariana*); Red maple (*Acer rubrum*); Speckled alder (*Alnus incana*); Tamarack (*Larix laricina*); Red spruce (*Picea rubens*)	Black spruce (*Picea mariana*); Red maple (*Acer rubrum*); Speckled alder (*Alnus incana*); Tamarack (*Larix laricina*)	Softwood forest with shallow soil	
WL72	2025-08-08	Treed swamp	7,352.53	Partial	No	Flat	Isolated	A2: Histic epipedon	High water table; Saturation	Low	Cinnamon fern (*Osmundastrum cinnamomeum*); New York fern (*Amauropelta noveboracensis*)	Northern wild raisin (*Viburnum cassinoides*); Mountain holly (*Ilex mucronata*); Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*); Black spruce (*Picea mariana*)	Clearcut area dominated by fern cover	
WL73	2025-08-07	Bog	2,116.68	Partial	No	Flat	Isolated	A1: Histosol	High water table; Saturation	Low	Northern pitcher plant (*Sarracenia purpurea*); Bunchberry (*Cornus canadensis*)	Black spruce (*Picea mariana*); Common juniper (*Juniperus communis*)	Tamarack (*Larix laricina*); Black spruce (*Picea mariana*)	Dense shrub cover with sparse herbaceous cover and shallow soil	
WL74	2025-08-07	Bog	2,106.06	Partial	No	Flat	Isolated	A1: Histosol	High water table; Saturation	Low	Northern pitcher plant (Sarracenia purpurea); Wild lily-of-the-valley (Maianthemum canadense); Three-leaved false solomon's seal (Mainthemum trifolium); Tawny cottongrass (Eriophorum virginicum); Rhodoura (Rhododendron canadense)	Tamarack (*Larix laricina*); Black spruce (*Picea mariana*); Northern wild raisin (*Viburnum cassinoides*)	Tamarack (*Larix laricina*); Black spruce (*Picea mariana*)	Black spruce forest with open shrub layer and dense herbaceous cover	
WL75	2025-08-07	Treed Swamp	3,981.85	Partial	No	Slope	Isolated	A1: Histosol	High water table, Saturation	Low	Thin-leaved snowberry (*Symphoricarpos albus*); Common labrador tea (*Rhododendron groenlandicum*); Northern pitcher plant (*Sarracenia purpurea*); Three-seeded sedge (*Carex trisperma*); Bunchberry (*Cornus canadensis*)	Northern wild raisin (*Viburnum cassinoides);* Balsam fir (*Abies balsamea*); Red maple (*Acer rubrum*)	Black spruce (*Picea mariana*); Tamarack (*Larix laricina*)	Softwood forest with shallow soil	

Wetland ID	Date (yyyy-mm-dd)	Wetland Type	Area (m^2)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/Hydrological Conditions	Fish-Bearing Potential	Dominant Vegetation			Upland Habitat	Associated Watercourse
											Herbaceous	Shrub	Trees		
WL76	2025-08-07	Treed Swamp	2,608.82	Partial	No	Flat	Isolated	A1: Histosol	Surface water; High water table, Saturation	Low	Bunchberry (*Cornus canadensis*); Sheep laurel (*Kalmia angustifolia*); Common snowberry (*Symphoricarpos albus var. albus*); Three-seeded sedge (*Carex trisperma*)	Northern wild raisin (*Viburnum cassinoides);* Mountain holly (*Ilex mucronata*); Black spruce (*Picea mariana*)	Black spruce (*Picea mariana*)	Softwood forest with dense deciduous shrub cover and shallow soil	NA
WL77	2025-08-07	Treed Swamp	3,236.18	Partial	No	Flat	Isolated	A1: Histosol	High water table, Saturation	Low	Bunchberry (*Cornus canadensis*); Sheep laurel (*Kalmia angustifolia*); Common snowberry (*Symphoricarpos albus var. albus*); Common labrador tea (*Rhododendron groenlandicum*); Northern pitcher plant (*Sarracenia purpurea*)	Northern wild raisin (*Viburnum cassinoides);* Red maple (*Acer rubrum*); Black spruce (*Picea mariana*)	Black spruce (*Picea mariana*); Tamarack (*Larix laricina*); Red spruce (*Picea rubens*)	Mixedwood forest with shallow soil	NA
WL78	2025-08-07	Treed Swamp	426.15	Partial	No	Flat	Isolated	A1: Histosol	High water table, Saturation	High	Bunchberry (*Cornus canadensis*); Sheep laurel (*Kalmia angustifolia*); Three-seeded sedge (*Carex trisperma*); Northern wild raisin (Viburnum cassinoides)	Northern wild raisin (*Viburnum cassinoides);* Black spruce (*Picea mariana*); Red maple (*Acer rubrum*)	Balsam fir (*Abies balsamea*); Tamarack (*Larix laricina*); Red maple (*Acer rubrum*)	Hardwood forest with shallow soil	NA
WL79	2025-08-07	Shrub Swamp	1,807.38	Partial	No	Flat	Isolated	A2: Histic epipedon	High water table, Saturation	Low	Bunchberry (*Cornus canadensis*); Sheep laurel (*Kalmia angustifolia*); Three-seeded sedge (*Carex trisperma*); Black huckleberry (*Gaylussacia baccata*)	Northern wild raisin (*Viburnum cassinoides);* Black spruce (*Picea mariana*)	Balsam fir (*Abies balsamea*); Tamarack (*Larix laricina*)	Softwood forest with shallow soil	NA
WL80	2025-08-05	Treed swamp	1,081.79	Partial	No	Flat	Isolated	A2: Histic epipedon	High water table; Saturation	Low	Three-seeded sedge (*Carex trisperma*); Bunchberry *(Cornus canadensis*); Thin-leaved snowberry (*Symphoricarpos albus*); Sheep laurel (*Kalmia angustifolia*); Hairy flat-top white aster (*Doellingeria umbellata*)	Northern wild raisin (*Viburnum cassinoides*); Mountain holly (*Ilex mucronata*); Black spruce (*Picea mariana*)	Balsam fir (Abies balsamea); Black spruce (Picea mariana); Red maple (Acer rubrum)	Open softwood forest with thick moss carpet	WC21
WL81	2025-08-05	Treed swamp	4,751.64	Partial	No	Slope	Isolated	A1: Histosol	High water table; Saturation	Low	Goldthread (*Coptis trifolia*); Northern starflower (*Lysimachia borealis)*	Northern wild raisin (*Viburnum cassinoides*); Speckled alder (*Alnus incana*)	Red maple (*Acer rubrum*); Balsam fir (*Abies balsamea*); Yellow birch (*Betula alleghaniensis*)	Deciduous shrub forest with open herbaceous layer and shallow soil	NA
WL82	2025-08-05	Treed swamp	668.87	Partial	No	Slope	Isolated	A1: Histosol	High water table; Saturation	Low	Cinnamon fern (*Osmundastrum cinnamomeum*); Wild lily-of-the-valley (*Maianthemum canadense*); Goldthread (*Coptis trifolia*); Bunchberry (*Cornus canadensis*); Sheep laurel (*Kalmia angustifolia*); Whorled wood aster (*Oclemena acuminata*); Wild sarsaparilla (*Aralia nudicaulis*)	Northern wild raisin (*Viburnum cassinoides*); Red maple (*Acer rubrum*); Tamarack (*Larix laricina*)	Red maple (*Acer rubrum*); Balsam fir (*Abies balsamea*)	Deciduous shrub forest with scattered softwoods and shallow soil	NA
WL83	2025-08-05	Treed swamp	2,309.86	Partial	No	Flat	Isolated	A2: Histic epipedon	Surface water; High water table; Saturation	Low	Northern dewberry (*Rubus flagellaris*); Goldthread (*Coptis trifolia*); Evergreen wood fern (*Dryopteris intermedia*)	Northern wild raisin (*Viburnum cassinoides*); American mountain ash (*Sorbus americana*)	American mountain ash (*Sorbus americana*); Red maple (*Acer rubrum*)	Deciduous shrub forest with fern dominant herbaceous layer and shallow soil	NA

Photo 1: Representative photo of WL1.

Photo 2: Representative photo of WL2.

Photo 3: Representative photo of WL3.

Photo 4: Representative photo of WL4.

Photo 5: Representative photo of WL5.

Photo 6: Representative photo of WL6.

Photo 7: Representative photo of WL7.

Photo 8: Representative photo of WL8.

Photo 9: Representative photo of WL9.

Photo 10: Representative photo of WL10.

Photo 11: Representative photo of WL11.

Photo 12: Representative photo of WL12.

Photo 13: Representative photo of WL13.

Photo 14: Representative photo of WL14.

Photo 15: Representative photo of WL15.

Photo 16: Representative photo of WL16.

Photo 17: Representative photo of WL17.

Photo 18: Representative photo of WL18.

Photo 19: Representative photo of WL19.

Photo 20: Representative photo of WL20.

Photo 21: Representative photo of WL21.

Photo 22: Representative photo of WL22.

Photo 23: Representative photo of WL23.

Photo 24: Representative photo of WL24.

Photo 25: Representative photo of WL25.

Photo 26: Representative photo of WL26.

Photo 27: Representative photo of WL27.

Photo 28: Representative photo of WL28.

Photo 29: Representative photo of WL29.

Photo 30: Representative photo of WL30.

Photo 31: Representative photo of WL31.

Photo 32: Representative photo of WL32.

Photo 33: Representative photo of WL33.

Photo 34: Representative photo of WL34.

Photo 35: Representative photo of WL35.

Photo 36: Representative photo of WL36.

Photo 37: Representative photo of WL37.

Photo 38: Representative photo of WL38.

Photo 39: Representative photo of WL39.

Photo 40: Representative photo of WL40.

Photo 41: Representative photo of WL41.

Photo 42: Representative photo of WL42.

Photo 43: Representative photo of WL43.

Photo 44: Representative photo of WL44.

Photo 45: Representative photo of WL45.

Photo 46: Representative photo of WL46.

Photo 47: Representative photo of WL47.

Photo 48: Representative photo of WL48.

Photo 49: Representative photo of WL49.

Photo 50: Representative photo of WL50.

Photo 51: Representative photo of WL51.

Photo 52: Representative photo of WL52.

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Photo 54: Representative photo of WL54.

Photo 55: Representative photo of WL55.

Photo 56: Representative photo of WL56.

Photo 57: Representative photo of WL57.

Photo 58: Representative photo of WL58.

Photo 59: Representative photo of WL59.

Photo 60: Representative photo of WL60.

Photo 61: Representative photo of WL61.

Photo 62: Representative photo of WL62.

Photo 63: Representative photo of WL63.

Photo 64: Representative photo of WL64.

Photo 65: Representative photo of WL65.

Photo 66: Representative photo of WL66.

Photo 67: Representative photo of WL67.

Photo 68: Representative photo of WL68.

Photo 69: Representative photo of WL69.

Photo 70: Representative photo of WL70.

Photo 71: Representative photo of WL71.

Photo 72: Representative photo of WL72.

Photo 73: Representative photo of WL73.

Photo 74: Representative photo of WL74.

Photo 75: Representative photo of WL75.

Photo 76: Representative photo of WL76.

Photo 77: Representative photo of WL77.

Photo 78: Representative photo of WL78.

Photo 79: Representative photo of WL79.

Photo 80: Representative photo of WL80.

Photo 81: Representative photo of WL81.

Photo 82: Representative photo of WL82.

Photo 83: Representative photo of WL83.

Assessment Area (AA) Results:

Wetland ID: WL1

Date: 2024-07-24

Observer: Rohan Kariyawansa

Latitude & Longitude (decimal degrees): 45.17504279, -61.62705767

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	0.77	Lower	4.29	Moderate	2.52	1.90
Stream Flow Support (SFS)	4.14	Moderate	6.18	Moderate	3.33	4.11
Water Cooling (WC)	8.40	Higher	5.09	Moderate	5.60	2.76
Sediment Retention & Stabilisation (SR)	3.62	Moderate	0.00	Lower	5.02	0.00
Phosphorus Retention (PR)	2.25	Lower	0.00	Lower	5.15	0.00
Nitrate Removal & Retention (NR)	2.77	Moderate	5.00	Moderate	4.77	5.00
Carbon Sequestration (CS)	3.76	Moderate			6.97	
Organic Nutrient Export (OE)	10.00	Higher			6.75	
Anadromous Fish Habitat (FA)	5.64	Higher	2.70	Moderate	3.70	1.71
Resident Fish Habitat (FR)	3.73	Moderate	2.59	Moderate	2.02	1.61
Aquatic Invertebrate Habitat (INV)	9.92	Higher	5.98	Moderate	7.54	4.46
Amphibian & Turtle Habitat (AM)	5.71	Moderate	3.90	Moderate	6.12	4.98
Waterbird Feeding Habitat (WBF)	5.35	Moderate	2.50	Lower	4.07	2.50
Waterbird Nesting Habitat (WBN)	3.48	Moderate	2.50	Moderate	2.52	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	9.60	Higher	2.50	Lower	8.36	2.50
Pollinator Habitat (POL)	8.49	Higher	0.00	Lower	7.04	0.00
Native Plant Habitat (PH)	4.96	Moderate	5.13	Lower	5.88	5.13
Public Use & Recognition (PU)			2.13	Moderate		1.76
Wetland Sensitivity (Sens)			10.00	Higher		5.27
Wetland Ecological Condition (EC)			7.39	Higher		8.75
Wetland Stressors (STR) (higher score means more stress)			4.48	Moderate		2.34
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.77	Lower	4.29	Moderate	2.52	1.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.43	Moderate	3.33	Moderate	6.23	3.33
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	9.06	Higher	5.96	Moderate	6.67	4.12
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.25	Moderate	3.37	Moderate	4.90	3.82
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.64	Higher	3.84	Lower	7.72	3.84
WETLAND CONDITION (EC)			7.39	Higher		8.75
WETLAND RISK (average of Sensitivity & Stressors)			7.24	Higher		3.81

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	3.294777259	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	11.41852673	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	54.01072373	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	17.67396246	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	33.16855457	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL2

Date: 2024-07-24

Observer: Rohan Kariyawansa

Latitude & Longitude (decimal degrees): 45.182614, -61.630928

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.93	Higher	2.37	Lower	7.86	1.05
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	4.30	Moderate	1.80	Moderate	5.56	0.88
Phosphorus Retention (PR)	1.41	Lower	1.70	Moderate	4.63	1.32
Nitrate Removal & Retention (NR)	10.00	Higher	5.14	Moderate	10.00	5.14
Carbon Sequestration (CS)	4.83	Moderate			7.48	
Organic Nutrient Export (OE)	10.00	Higher			7.41	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.91	Higher	1.39	Moderate	6.72	1.99
Amphibian & Turtle Habitat (AM)	3.79	Moderate	0.63	Lower	5.11	2.28
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.87	Higher	0.00	Lower	6.85	0.00
Pollinator Habitat (POL)	8.93	Higher	0.00	Lower	7.40	0.00
Native Plant Habitat (PH)	4.31	Moderate	4.75	Lower	5.62	4.75
Public Use & Recognition (PU)			2.05	Moderate		1.70
Wetland Sensitivity (Sens)			10.00	Higher		5.75
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			5.73	Moderate		2.93
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.93	Higher	2.37	Lower	7.86	1.05
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.57	Higher	4.01	Moderate	8.46	3.79
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.24	Higher	0.93	Lower	5.47	1.33
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.28	Lower	0.38	Lower	3.07	1.37
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.98	Higher	3.17	Lower	7.01	3.17
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.86	Higher		4.34

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	18.79061292	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	30.33015641	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	6.716386616	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.863959326	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	25.29018594	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL3

Date: 2024-07-23

Observer: Rohan Kariyawansa

Latitude & Longitude (decimal degrees): 45.17833189, -61.63904943

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	10.00	Higher	4.34	Moderate	9.43	1.93
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	8.58	Higher	0.45	Lower	8.89	0.22
Phosphorus Retention (PR)	2.70	Lower	0.43	Lower	5.43	0.33
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	8.03	Higher			9.00	
Organic Nutrient Export (OE)	9.40	Higher			6.14	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	6.51	Higher	1.21	Moderate	6.15	1.90
Amphibian & Turtle Habitat (AM)	3.45	Lower	1.48	Lower	4.93	2.98
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.41	Moderate	2.50	Lower	6.45	2.50
Pollinator Habitat (POL)	8.35	Higher	0.00	Lower	6.92	0.00
Native Plant Habitat (PH)	3.33	Lower	4.46	Lower	5.23	4.46
Public Use & Recognition (PU)			2.18	Moderate		1.80
Wetland Sensitivity (Sens)			10.00	Higher		5.89
Wetland Ecological Condition (EC)			6.52	Higher		8.33
Wetland Stressors (STR) (higher score means more stress)			4.48	Moderate		2.34
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	10.00	Higher	4.34	Moderate	9.43	1.93
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.66	Higher	2.37	Lower	9.17	2.31
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.69	Higher	0.81	Lower	4.61	1.27
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.07	Lower	0.89	Lower	2.96	1.79
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.36	Higher	3.39	Lower	6.56	3.39
WETLAND CONDITION (EC)			6.52	Higher		8.33
WETLAND RISK (average of Sensitivity & Stressors)			7.24	Higher		4.12

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	43.42520312	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	20.52554472	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.412129613	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.843371257	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	24.93771394	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL4

Date: 2024-07-31

Observer: Rohan Kariyawansa

Latitude & Longitude (decimal degrees): 45.17741168, -61.64064115

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.93	Higher	3.72	Lower	7.86	1.65
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	4.30	Moderate	0.91	Lower	5.56	0.44
Phosphorus Retention (PR)	1.41	Lower	0.86	Lower	4.63	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	4.17	Moderate	10.00	4.17
Carbon Sequestration (CS)	5.68	Moderate			7.88	
Organic Nutrient Export (OE)	10.00	Higher			7.41	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	4.72	Moderate	0.98	Lower	5.42	1.77
Amphibian & Turtle Habitat (AM)	3.07	Lower	1.26	Lower	4.73	2.80
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.78	Moderate	2.50	Lower	5.90	2.50
Pollinator Habitat (POL)	8.25	Higher	0.00	Lower	6.83	0.00
Native Plant Habitat (PH)	2.60	Lower	4.24	Lower	4.94	4.24
Public Use & Recognition (PU)			2.30	Moderate		1.88
Wetland Sensitivity (Sens)			10.00	Higher		5.58
Wetland Ecological Condition (EC)			7.39	Higher		8.75
Wetland Stressors (STR) (higher score means more stress)			4.48	Moderate		2.34
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.93	Higher	3.72	Lower	7.86	1.65
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.67	Higher	3.07	Lower	8.51	2.96
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.84	Higher	0.65	Lower	5.31	1.18
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.84	Lower	0.76	Lower	2.84	1.68
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.06	Higher	3.25	Lower	6.36	3.25
WETLAND CONDITION (EC)			7.39	Higher		8.75
WETLAND RISK (average of Sensitivity & Stressors)			7.24	Higher		3.96

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	29.52810602	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	23.57282421	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.470789137	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.392839127	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	22.91903456	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL5

Date: 2024-07-23

Observer: Rohan Kariyawansa

Latitude & Longitude (decimal degrees): 45.17749856, -61.63674782

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	9.33	Higher	4.17	Moderate	8.91	1.85
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	6.44	Moderate	0.91	Lower	7.22	0.44
Phosphorus Retention (PR)	2.21	Lower	0.86	Lower	5.13	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	4.17	Moderate	10.00	4.17
Carbon Sequestration (CS)	8.25	Higher			9.10	
Organic Nutrient Export (OE)	10.00	Higher			6.78	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.45	Higher	1.08	Lower	5.72	1.83
Amphibian & Turtle Habitat (AM)	3.36	Lower	1.33	Lower	4.89	2.86
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
Songbird, Raptor, & Mammal Habitat (SBM)	6.97	Moderate	2.50	Lower	6.07	2.50
Pollinator Habitat (POL)	6.79	Moderate	0.00	Lower	5.63	0.00
Native Plant Habitat (PH)	3.84	Moderate	3.90	Lower	5.44	3.90
Public Use & Recognition (PU)			2.44	Moderate		1.97
Wetland Sensitivity (Sens)			10.00	Higher		5.73
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.55	Moderate		2.37
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	9.33	Higher	4.17	Moderate	8.91	1.85
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.36	Higher	3.07	Lower	8.93	2.96
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.93	Higher	0.72	Lower	4.95	1.22
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.02	Lower	0.80	Lower	2.93	1.71
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.42	Moderate	3.02	Lower	5.89	3.02
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			7.28	Higher		4.05

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	38.93408565	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	25.68701235	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.987841883	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.60675091	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	19.35388034	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL6

Date: 2024-07-30

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.17696728, -61.63838743

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	2.41	Lower	4.00	Moderate	3.75	1.78
Stream Flow Support (SFS)	1.29	Lower	6.77	Moderate	1.04	4.51
Water Cooling (WC)	6.75	Higher	0.64	Lower	4.50	0.34
Sediment Retention & Stabilisation (SR)	1.72	Lower	1.13	Moderate	3.54	0.56
Phosphorus Retention (PR)	3.19	Moderate	1.29	Moderate	5.74	1.00
Nitrate Removal & Retention (NR)	2.72	Lower	3.33	Lower	4.74	3.33
Carbon Sequestration (CS)	3.51	Moderate			6.85	
Organic Nutrient Export (OE)	9.97	Higher			6.52	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.52	Higher	3.27	Moderate	5.75	3.00
Amphibian & Turtle Habitat (AM)	3.77	Moderate	4.18	Moderate	5.10	5.20
Waterbird Feeding Habitat (WBF)	5.31	Moderate	5.00	Moderate	4.04	5.00
Waterbird Nesting Habitat (WBN)	3.20	Moderate	5.00	Higher	2.32	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.54	Higher	5.00	Moderate	6.57	5.00
Pollinator Habitat (POL)	8.77	Higher	0.00	Lower	7.27	0.00
Native Plant Habitat (PH)	3.24	Lower	4.61	Lower	5.19	4.61
Public Use & Recognition (PU)			1.38	Lower		1.24
Wetland Sensitivity (Sens)			8.88	Higher		4.70
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.73	Moderate		2.46
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.41	Lower	4.00	Moderate	3.75	1.78
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.14	Moderate	2.63	Lower	6.04	2.48
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.93	Higher	5.17	Moderate	5.48	3.56
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.88	Moderate	3.92	Moderate	3.70	4.12
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.64	Higher	4.10	Lower	6.81	4.10
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			6.81	Higher		3.58

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	9.658942238	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	8.253511615	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	40.9488808	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	15.2140252	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	31.35644782	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL7

Date: 2024-07-30

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.17671471, -61.63755442

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	1.93	Lower	3.89	Moderate	3.39	1.73
Stream Flow Support (SFS)	2.62	Moderate	6.87	Moderate	2.11	4.57
Water Cooling (WC)	6.75	Higher	1.71	Lower	4.50	0.93
Sediment Retention & Stabilisation (SR)	2.84	Lower	0.76	Lower	4.42	0.37
Phosphorus Retention (PR)	3.32	Moderate	0.86	Lower	5.82	0.67
Nitrate Removal & Retention (NR)	2.86	Moderate	2.22	Lower	4.84	2.22
Carbon Sequestration (CS)	5.91	Moderate			8.00	
Organic Nutrient Export (OE)	10.00	Higher			6.79	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.92	Higher	3.51	Moderate	6.72	3.13
Amphibian & Turtle Habitat (AM)	4.30	Moderate	2.93	Moderate	5.38	4.18
Waterbird Feeding Habitat (WBF)	3.85	Moderate	4.17	Moderate	2.93	4.17
Waterbird Nesting Habitat (WBN)	4.67	Moderate	2.50	Moderate	3.39	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	8.15	Higher	2.50	Lower	7.09	2.50
Pollinator Habitat (POL)	10.00	Higher	0.00	Lower	8.44	0.00
Native Plant Habitat (PH)	6.27	Higher	5.18	Lower	6.40	5.18
Public Use & Recognition (PU)			1.93	Moderate		1.62
Wetland Sensitivity (Sens)			8.19	Higher		4.51
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			5.69	Moderate		2.92
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.93	Lower	3.89	Moderate	3.39	1.73
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.82	Moderate	1.75	Lower	6.88	1.65
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.41	Higher	5.45	Moderate	5.91	3.72
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.62	Moderate	3.04	Moderate	3.86	3.17
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	9.07	Higher	3.87	Lower	7.87	3.87
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			6.94	Higher		3.71

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	7.524078263	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	8.444276457	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	45.82795509	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.01116289	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	35.08193802	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL8

Date: 2024-07-30

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.17604284, -61.63815752

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	1.81	Lower	3.78	Moderate	3.30	1.68
Stream Flow Support (SFS)	2.62	Moderate	6.69	Moderate	2.11	4.45
Water Cooling (WC)	7.20	Higher	1.69	Lower	4.80	0.92
Sediment Retention & Stabilisation (SR)	2.13	Lower	1.13	Moderate	3.86	0.56
Phosphorus Retention (PR)	2.01	Lower	1.29	Moderate	5.00	1.00
Nitrate Removal & Retention (NR)	2.83	Moderate	3.33	Lower	4.82	3.33
Carbon Sequestration (CS)	5.41	Moderate			7.76	
Organic Nutrient Export (OE)	10.00	Higher			6.97	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.61	Higher	4.29	Moderate	6.60	3.55
Amphibian & Turtle Habitat (AM)	5.43	Moderate	4.59	Moderate	5.97	5.55
Waterbird Feeding Habitat (WBF)	4.92	Moderate	5.00	Moderate	3.75	5.00
Waterbird Nesting Habitat (WBN)	5.11	Moderate	5.00	Higher	3.71	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.07	Higher	5.00	Moderate	7.89	5.00
Pollinator Habitat (POL)	8.66	Higher	0.00	Lower	7.18	0.00
Native Plant Habitat (PH)	4.09	Moderate	5.02	Lower	5.53	5.02
Public Use & Recognition (PU)			0.68	Lower		0.77
Wetland Sensitivity (Sens)			8.66	Higher		4.64
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.40	Moderate		2.30
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.81	Lower	3.78	Moderate	3.30	1.68
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.25	Moderate	2.63	Lower	6.56	2.48
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.43	Higher	5.45	Moderate	6.05	3.71
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.26	Moderate	3.96	Moderate	4.33	4.33
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.17	Higher	4.18	Lower	7.38	4.18
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			6.53	Moderate		3.47

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	6.853792178	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	11.15771052	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	45.97404684	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	16.86324816	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	34.1632989	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL9

Date: 2024-07-31

Observer: Rohan Kariyawansa

Latitude & Longitude (decimal degrees): 45.17523371, -61.63832309

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	4.86	Moderate	3.50	Lower	5.57	1.55
Stream Flow Support (SFS)	1.59	Moderate	6.13	Moderate	1.28	4.08
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	4.42	Moderate	1.59	Moderate	5.65	0.78
Phosphorus Retention (PR)	1.70	Lower	0.86	Lower	4.81	0.67
Nitrate Removal & Retention (NR)	3.58	Moderate	4.17	Moderate	5.36	4.17
Carbon Sequestration (CS)	3.61	Moderate			6.90	
Organic Nutrient Export (OE)	10.00	Higher			7.13	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.79	Higher	1.10	Lower	5.86	1.84
Amphibian & Turtle Habitat (AM)	3.17	Lower	1.40	Lower	4.78	2.92
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.18	Moderate	2.50	Lower	6.25	2.50
Pollinator Habitat (POL)	8.85	Higher	0.00	Lower	7.33	0.00
Native Plant Habitat (PH)	3.86	Moderate	4.53	Lower	5.44	4.53
Public Use & Recognition (PU)			2.30	Moderate		1.88
Wetland Sensitivity (Sens)			10.00	Higher		5.14
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			4.96	Moderate		2.57
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	4.86	Moderate	3.50	Lower	5.57	1.55
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.88	Moderate	3.19	Moderate	6.29	3.02
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.17	Higher	4.27	Moderate	5.35	3.02
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.90	Lower	0.84	Lower	2.87	1.75
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.74	Higher	3.43	Lower	6.84	3.43
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			7.48	Higher		3.86

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	16.99828598	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	12.34358792	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	30.60971754	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.597238972	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	26.57889676	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL10

Date: 2024-07-30

Observer: Rohan Kariyawansa

Latitude & Longitude (decimal degrees): 45.17377503, -61.63733745

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.21	Higher	3.05	Lower	8.07	1.35
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	5.02	Moderate	1.59	Moderate	6.11	0.78
Phosphorus Retention (PR)	1.70	Lower	0.86	Lower	4.81	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	4.17	Moderate	10.00	4.17
Carbon Sequestration (CS)	5.11	Moderate			7.62	
Organic Nutrient Export (OE)	10.00	Higher			7.55	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	8.10	Higher	1.36	Moderate	6.80	1.98
Amphibian & Turtle Habitat (AM)	3.63	Moderate	1.64	Lower	5.03	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
Songbird, Raptor, & Mammal Habitat (SBM)	7.85	Higher	2.50	Lower	6.83	2.50
Pollinator Habitat (POL)	9.49	Higher	0.00	Lower	7.86	0.00
Native Plant Habitat (PH)	4.93	Moderate	4.90	Lower	5.87	4.90
Public Use & Recognition (PU)			2.30	Moderate		1.88
Wetland Sensitivity (Sens)			10.00	Higher		6.20
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			4.75	Moderate		2.47
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.21	Higher	3.05	Lower	8.07	1.35
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.73	Higher	3.19	Moderate	8.57	3.02
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.26	Higher	0.91	Lower	5.57	1.32
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.18	Lower	0.98	Lower	3.02	1.87
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.45	Higher	3.68	Lower	7.36	3.68
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			7.37	Higher		4.33

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	25.00975954	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	24.61935836	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	6.586777296	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.140750588	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	31.12543821	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL11

Date: 2024-07-30

Observer: Rohan Kariyawansa

Latitude & Longitude (decimal degrees): 45.1713144, -61.63424287

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	1.83	Lower	2.82	Lower	3.31	1.25
Stream Flow Support (SFS)	2.10	Moderate	4.99	Moderate	1.69	3.32
Water Cooling (WC)	6.17	Higher	1.08	Lower	4.11	0.58
Sediment Retention & Stabilisation (SR)	2.00	Lower	0.38	Lower	3.75	0.19
Phosphorus Retention (PR)	2.14	Lower	0.43	Lower	5.08	0.33
Nitrate Removal & Retention (NR)	2.28	Lower	5.00	Moderate	4.42	5.00
Carbon Sequestration (CS)	3.45	Moderate			6.83	
Organic Nutrient Export (OE)	9.24	Higher			6.04	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	3.54	Moderate	4.21	Moderate	4.94	3.51
Amphibian & Turtle Habitat (AM)	5.91	Moderate	3.89	Moderate	6.22	4.96
Waterbird Feeding Habitat (WBF)	5.29	Moderate	2.50	Lower	4.03	2.50
Waterbird Nesting Habitat (WBN)	3.39	Moderate	2.50	Moderate	2.46	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	9.61	Higher	2.50	Lower	8.36	2.50
Pollinator Habitat (POL)	8.95	Higher	0.00	Lower	7.42	0.00
Native Plant Habitat (PH)	5.02	Moderate	5.26	Lower	5.90	5.26
Public Use & Recognition (PU)			2.25	Moderate		1.84
Wetland Sensitivity (Sens)			10.00	Higher		5.58
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.70	Moderate		2.45
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.83	Lower	2.82	Lower	3.31	1.25
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.96	Moderate	3.47	Moderate	5.92	3.42
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.25	Higher	4.21	Moderate	5.12	2.99
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.41	Moderate	2.83	Moderate	4.38	3.48
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.73	Higher	3.92	Lower	7.79	3.92
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			7.35	Higher		4.01

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	5.164264466	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	10.25612448	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	30.52279109	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	12.49659831	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	34.25794584	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL12

Date: 2024-07-31

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16951311, -61.62981397

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.91	Higher	2.43	Lower	8.59	1.08
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	5.02	Moderate	1.36	Moderate	6.11	0.67
Phosphorus Retention (PR)	2.01	Lower	1.29	Moderate	5.00	1.00
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	9.65	Higher			9.77	
Organic Nutrient Export (OE)	10.00	Higher			6.57	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	6.70	Higher	1.19	Moderate	6.23	1.88
Amphibian & Turtle Habitat (AM)	3.47	Lower	0.43	Lower	4.94	2.12
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.30	Moderate	0.00	Lower	6.36	0.00
Pollinator Habitat (POL)	7.79	Moderate	0.00	Lower	6.46	0.00
Native Plant Habitat (PH)	3.62	Moderate	4.27	Lower	5.35	4.27
Public Use & Recognition (PU)			2.34	Moderate		1.90
Wetland Sensitivity (Sens)			7.47	Higher		4.30
Wetland Ecological Condition (EC)			7.39	Higher		8.75
Wetland Stressors (STR) (higher score means more stress)			4.48	Moderate		2.34
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.91	Higher	2.43	Lower	8.59	1.08
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.33	Higher	2.66	Lower	8.86	2.50
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.09	Higher	0.79	Lower	4.89	1.26
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.08	Lower	0.26	Lower	2.96	1.27
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.02	Higher	2.85	Lower	6.26	2.85
WETLAND CONDITION (EC)			7.39	Higher		8.75
WETLAND RISK (average of Sensitivity & Stressors)			5.98	Moderate		3.32

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	21.60810495	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	22.19854315	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.602068111	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.539672583	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	19.97923778	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL13

Date: 2024-07-31

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16961434, -61.62737814

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	1.80	Lower	2.14	Lower	3.29	0.95
Stream Flow Support (SFS)	2.62	Moderate	4.67	Moderate	2.11	3.11
Water Cooling (WC)	8.40	Higher	1.43	Lower	5.60	0.77
Sediment Retention & Stabilisation (SR)	2.93	Lower	1.05	Lower	4.48	0.52
Phosphorus Retention (PR)	2.40	Lower	1.34	Moderate	5.25	1.04
Nitrate Removal & Retention (NR)	2.90	Moderate	7.50	Higher	4.87	7.50
Carbon Sequestration (CS)	3.68	Moderate			6.94	
Organic Nutrient Export (OE)	8.87	Higher			5.80	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	9.22	Higher	4.89	Moderate	7.25	3.88
Amphibian & Turtle Habitat (AM)	6.14	Moderate	3.06	Moderate	6.34	4.28
Waterbird Feeding Habitat (WBF)	6.06	Moderate	0.83	Lower	4.62	0.83
Waterbird Nesting Habitat (WBN)	5.65	Moderate	0.00	Lower	4.09	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.45	Higher	0.00	Lower	8.22	0.00
Pollinator Habitat (POL)	8.98	Higher	0.00	Lower	7.44	0.00
Native Plant Habitat (PH)	4.07	Moderate	5.22	Lower	5.52	5.22
Public Use & Recognition (PU)			2.13	Moderate		1.76
Wetland Sensitivity (Sens)			6.36	Moderate		3.98
Wetland Ecological Condition (EC)			6.23	Moderate		8.19
Wetland Stressors (STR) (higher score means more stress)			8.33	Higher		4.18
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.80	Lower	2.14	Lower	3.29	0.95
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.33	Moderate	5.40	Moderate	6.16	5.26
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.25	Higher	4.28	Moderate	6.22	3.23
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.86	Moderate	1.92	Moderate	4.68	2.65
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.47	Higher	3.48	Lower	7.64	3.48
WETLAND CONDITION (EC)			6.23	Moderate		8.19
WETLAND RISK (average of Sensitivity & Stressors)			7.35	Higher		4.08

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	3.856449031	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	17.98005117	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	35.28758108	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.315219539	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	29.49100907	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL14

Date: 2024-08-06

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.17007348, -61.62555897

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	9.08	Higher	1.92	Lower	8.72	0.85
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	6.16	Moderate	0.91	Lower	7.00	0.44
Phosphorus Retention (PR)	1.48	Lower	0.86	Lower	4.67	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Carbon Sequestration (CS)	6.25	Moderate			8.16	
Organic Nutrient Export (OE)	10.00	Higher			6.62	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	3.87	Moderate	1.20	Moderate	5.07	1.89
Amphibian & Turtle Habitat (AM)	3.64	Moderate	1.43	Lower	5.03	2.94
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.26	Moderate	2.50	Lower	6.32	2.50
Pollinator Habitat (POL)	8.24	Higher	0.00	Lower	6.83	0.00
Native Plant Habitat (PH)	3.59	Moderate	4.38	Lower	5.33	4.38
Public Use & Recognition (PU)			2.83	Moderate		2.24
Wetland Sensitivity (Sens)			7.83	Higher		4.40
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			4.81	Moderate		2.50
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	9.08	Higher	1.92	Lower	8.72	0.85
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.99	Higher	1.96	Lower	8.73	1.85
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.73	Higher	0.80	Lower	4.77	1.26
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.19	Lower	0.86	Lower	3.02	1.76
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.30	Higher	3.34	Lower	6.49	3.34
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			6.32	Moderate		3.45

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	17.40674058	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	15.65790564	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.402535527	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.875171858	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	24.37723342	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL15

Date: 2024-08-06

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.17045387, -61.62497273

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.65	Higher	1.92	Lower	7.66	0.85
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	2.59	Lower	1.36	Moderate	4.22	0.67
Phosphorus Retention (PR)	0.84	Lower	1.29	Moderate	4.27	1.00
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	7.60	Higher			8.80	
Organic Nutrient Export (OE)	10.00	Higher			7.45	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.68	Higher	1.08	Lower	5.81	1.83
Amphibian & Turtle Habitat (AM)	3.54	Lower	1.29	Lower	4.98	2.83
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.88	Moderate	2.50	Lower	5.99	2.50
Pollinator Habitat (POL)	8.80	Higher	0.00	Lower	7.29	0.00
Native Plant Habitat (PH)	3.46	Lower	4.43	Lower	5.28	4.43
Public Use & Recognition (PU)			2.13	Moderate		1.76
Wetland Sensitivity (Sens)			8.23	Higher		4.52
Wetland Ecological Condition (EC)			5.65	Moderate		7.92
Wetland Stressors (STR) (higher score means more stress)			4.48	Moderate		2.34
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.65	Higher	1.92	Lower	7.66	0.85
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.63	Higher	2.66	Lower	8.41	2.50
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.96	Higher	0.72	Lower	5.39	1.22
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.12	Lower	0.78	Lower	2.99	1.70
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.59	Higher	3.37	Lower	6.74	3.37
WETLAND CONDITION (EC)			5.65	Moderate		7.92
WETLAND RISK (average of Sensitivity & Stressors)			6.36	Moderate		3.43

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	14.67601148	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	20.31844188	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.02489242	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.648827523	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	25.55588991	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL16

Date: 2024-08-06

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.17015734, -61.62389757

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	5.37	Moderate	1.80	Lower	5.95	0.80
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	2.04	Moderate	0.00	Lower	1.36	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.51	Moderate	10.00	0.74
Phosphorus Retention (PR)	10.00	Higher	1.61	Moderate	10.00	1.25
Nitrate Removal & Retention (NR)	10.00	Higher	5.00	Moderate	10.00	5.00
Carbon Sequestration (CS)	3.72	Moderate			6.96	
Organic Nutrient Export (OE)	7.57	Higher			4.95	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	3.36	Lower	3.85	Moderate	4.86	3.32
Amphibian & Turtle Habitat (AM)	5.34	Moderate	2.88	Moderate	5.92	4.14
Waterbird Feeding Habitat (WBF)	5.91	Moderate	2.50	Lower	4.50	2.50
Waterbird Nesting Habitat (WBN)	5.64	Moderate	2.50	Moderate	4.09	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	6.21	Moderate	2.50	Lower	5.41	2.50
Pollinator Habitat (POL)	6.84	Moderate	0.00	Lower	5.66	0.00
Native Plant Habitat (PH)	4.32	Moderate	3.69	Lower	5.62	3.69
Public Use & Recognition (PU)			2.13	Moderate		1.76
Wetland Sensitivity (Sens)			7.02	Moderate		4.17
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			6.88	Higher		3.49
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.37	Moderate	1.80	Lower	5.95	0.80
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.22	Higher	3.85	Moderate	9.62	3.67
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.41	Moderate	2.57	Lower	3.87	2.21
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.64	Moderate	2.23	Moderate	4.41	2.98
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.31	Moderate	2.88	Lower	5.61	2.88
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			6.95	Higher		3.83

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	9.683579693	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	35.50804581	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	13.8932168	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	10.3511999	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	18.15686368	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL17

Date: 2024-08-06

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.17044277, -61.62259116

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	6.02	Moderate	1.47	Lower	6.44	0.65
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	8.40	Higher	0.00	Lower	5.60	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	0.76	Lower	10.00	0.37
Phosphorus Retention (PR)	10.00	Higher	0.86	Lower	10.00	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Carbon Sequestration (CS)	4.75	Moderate			7.44	
Organic Nutrient Export (OE)	9.14	Higher			5.97	
Anadromous Fish Habitat (FA)	2.23	Moderate	2.19	Moderate	1.46	1.39
Resident Fish Habitat (FR)	3.88	Moderate	2.06	Moderate	2.11	1.29
Aquatic Invertebrate Habitat (INV)	7.99	Higher	5.67	Moderate	6.75	4.30
Amphibian & Turtle Habitat (AM)	5.60	Moderate	3.98	Moderate	6.06	5.04
Waterbird Feeding Habitat (WBF)	5.82	Moderate	2.50	Lower	4.43	2.50
Waterbird Nesting Habitat (WBN)	4.90	Moderate	2.50	Moderate	3.55	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	9.41	Higher	2.50	Lower	8.19	2.50
Pollinator Habitat (POL)	9.16	Higher	0.00	Lower	7.59	0.00
Native Plant Habitat (PH)	4.70	Moderate	5.26	Lower	5.78	5.26
Public Use & Recognition (PU)			1.96	Moderate		1.64
Wetland Sensitivity (Sens)			10.00	Higher		5.28
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.02	Moderate	1.47	Lower	6.44	0.65
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.34	Higher	1.94	Lower	9.68	1.84
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.76	Higher	3.78	Lower	5.67	2.87
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.15	Moderate	3.31	Moderate	4.79	3.79
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.58	Higher	3.92	Lower	7.69	3.92
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.21	Higher		3.79

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	8.833045082	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	18.08420637	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	29.36206503	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	17.07067337	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	33.66983464	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL18

Date: 2024-10-23

Observer: Cuun Niesink

Latitude & Longitude (decimal degrees): 45.16816172, -61.62371564

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	2.54	Lower	1.75	Lower	3.84	0.78
Stream Flow Support (SFS)	3.28	Moderate	3.85	Moderate	2.64	2.56
Water Cooling (WC)	6.20	Higher	0.90	Lower	4.13	0.49
Sediment Retention & Stabilisation (SR)	3.11	Lower	1.21	Moderate	4.62	0.59
Phosphorus Retention (PR)	1.14	Lower	0.86	Lower	4.46	0.67
Nitrate Removal & Retention (NR)	2.65	Lower	2.50	Lower	4.69	2.50
Carbon Sequestration (CS)	4.73	Moderate			7.44	
Organic Nutrient Export (OE)	9.04	Higher			5.91	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	6.32	Higher	4.57	Moderate	6.07	3.71
Amphibian & Turtle Habitat (AM)	6.22	Moderate	3.54	Moderate	6.38	4.68
Waterbird Feeding Habitat (WBF)	6.37	Moderate	2.50	Lower	4.85	2.50
Waterbird Nesting Habitat (WBN)	5.95	Moderate	2.50	Moderate	4.32	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	7.67	Higher	2.50	Lower	6.68	2.50
Pollinator Habitat (POL)	5.96	Moderate	0.00	Lower	4.94	0.00
Native Plant Habitat (PH)	3.75	Moderate	3.87	Lower	5.40	3.87
Public Use & Recognition (PU)			2.13	Moderate		1.76
Wetland Sensitivity (Sens)			4.22	Lower		3.37
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.48	Moderate		2.34
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.54	Lower	1.75	Lower	3.84	0.78
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.82	Moderate	2.01	Lower	6.37	1.88
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.62	Higher	3.84	Lower	5.38	2.98
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.04	Moderate	2.62	Moderate	4.75	3.31
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.73	Moderate	3.00	Lower	6.18	3.00
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			4.35	Lower		2.86

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	4.440458413	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.683243405	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	29.2583262	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	13.22603063	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	20.18643912	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL19

Date: 2024-07-30

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16789908, -61.6319601

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	2.87	Lower	5.08	Moderate	4.09	2.25
Stream Flow Support (SFS)	2.03	Moderate	6.37	Moderate	1.64	4.24
Water Cooling (WC)	9.20	Higher	2.63	Moderate	6.13	1.42
Sediment Retention & Stabilisation (SR)	3.22	Lower	2.34	Moderate	4.71	1.15
Phosphorus Retention (PR)	1.28	Lower	2.14	Moderate	4.55	1.67
Nitrate Removal & Retention (NR)	3.54	Moderate	3.89	Moderate	5.33	3.89
Carbon Sequestration (CS)	1.62	Lower			5.96	
Organic Nutrient Export (OE)	8.15	Higher			5.33	
Anadromous Fish Habitat (FA)	4.88	Higher	3.55	Moderate	3.20	2.25
Resident Fish Habitat (FR)	6.00	Higher	3.44	Moderate	3.26	2.15
Aquatic Invertebrate Habitat (INV)	8.55	Higher	7.71	Higher	6.98	5.40
Amphibian & Turtle Habitat (AM)	8.03	Higher	3.06	Moderate	7.33	4.28
Waterbird Feeding Habitat (WBF)	6.23	Moderate	0.83	Lower	4.74	0.83
Waterbird Nesting Habitat (WBN)	7.91	Higher	0.00	Lower	5.74	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.31	Higher	0.00	Lower	8.11	0.00
Pollinator Habitat (POL)	8.41	Higher	0.00	Lower	6.97	0.00
Native Plant Habitat (PH)	4.67	Moderate	5.02	Lower	5.77	5.02
Public Use & Recognition (PU)			3.95	Moderate		3.01
Wetland Sensitivity (Sens)			4.67	Moderate		3.50
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			5.09	Moderate		2.63
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.87	Lower	5.08	Moderate	4.09	2.25
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.98	Moderate	3.34	Moderate	5.55	3.06
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.09	Higher	6.64	Moderate	6.00	4.54
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	7.32	Higher	2.86	Moderate	6.09	3.09
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.39	Higher	3.35	Lower	7.53	3.35
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			4.88	Moderate		3.07

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	14.55195835	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	9.942625954	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	53.72917407	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	20.95354406	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.09980088	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL20

Date: 2024-07-30

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16799422, -61.63318476

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	6.56	Moderate	4.74	Moderate	6.84	2.10
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	2.00	Lower	0.00	Lower	1.33	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	0.00	Lower	10.00	0.00
Phosphorus Retention (PR)	10.00	Higher	0.00	Lower	10.00	0.00
Nitrate Removal & Retention (NR)	10.00	Higher	5.00	Moderate	10.00	5.00
Carbon Sequestration (CS)	1.31	Lower			5.81	
Organic Nutrient Export (OE)	7.97	Higher			5.21	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	3.66	Moderate	4.90	Moderate	4.99	3.88
Amphibian & Turtle Habitat (AM)	6.13	Moderate	5.00	Moderate	6.34	5.88
Waterbird Feeding Habitat (WBF)	6.00	Moderate	5.00	Moderate	4.57	5.00
Waterbird Nesting Habitat (WBN)	5.97	Moderate	5.00	Higher	4.33	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.26	Higher	5.00	Moderate	8.06	5.00
Pollinator Habitat (POL)	7.74	Moderate	0.00	Lower	6.41	0.00
Native Plant Habitat (PH)	4.23	Moderate	4.82	Lower	5.59	4.82
Public Use & Recognition (PU)			2.34	Moderate		1.90
Wetland Sensitivity (Sens)			9.30	Higher		4.82
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			7.02	Higher		3.56
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.56	Moderate	4.74	Moderate	6.84	2.10
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.91	Higher	3.33	Moderate	9.48	3.33
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.69	Higher	3.27	Lower	4.05	2.59
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.88	Moderate	4.00	Moderate	4.69	4.53
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.17	Higher	4.14	Lower	7.38	4.14
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			8.16	Higher		4.19

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	31.08873046	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	29.71317822	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	18.59121375	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	19.50247778	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	33.8044012	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL21

Date: 2024-07-31

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16826005, -61.63430058

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	3.07	Lower	2.20	Lower	4.24	0.98
Stream Flow Support (SFS)	5.79	Higher	4.38	Moderate	4.67	2.91
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	4.73	Moderate	1.61	Moderate	5.89	0.79
Phosphorus Retention (PR)	1.28	Lower	1.70	Moderate	4.55	1.32
Nitrate Removal & Retention (NR)	2.93	Moderate	5.17	Moderate	4.89	5.17
Carbon Sequestration (CS)	6.90	Higher			8.46	
Organic Nutrient Export (OE)	9.07	Higher			5.93	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.62	Higher	0.99	Lower	5.79	1.78
Amphibian & Turtle Habitat (AM)	3.35	Lower	0.20	Lower	4.88	1.93
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
Songbird, Raptor, & Mammal Habitat (SBM)	6.64	Moderate	0.00	Lower	5.78	0.00
Pollinator Habitat (POL)	8.21	Higher	0.00	Lower	6.81	0.00
Native Plant Habitat (PH)	3.87	Moderate	4.20	Lower	5.45	4.20
Public Use & Recognition (PU)			2.51	Moderate		2.02
Wetland Sensitivity (Sens)			5.19	Moderate		3.65
Wetland Ecological Condition (EC)			5.65	Moderate		7.92
Wetland Stressors (STR) (higher score means more stress)			6.42	Higher		3.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	3.07	Lower	2.20	Lower	4.24	0.98
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	5.43	Higher	3.99	Moderate	7.21	3.80
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.09	Higher	3.08	Lower	5.01	2.24
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.01	Lower	0.12	Lower	2.93	1.16
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.23	Higher	2.80	Lower	6.41	2.80
WETLAND CONDITION (EC)			5.65	Moderate		7.92
WETLAND RISK (average of Sensitivity & Stressors)			5.81	Moderate		3.46

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	6.761732136	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.69413997	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	21.88529703	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.240921388	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	20.21010819	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL22

Date: 2024-07-30

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16749726, -61.63505508

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.66	Higher	2.03	Lower	8.41	0.90
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	5.02	Moderate	1.36	Moderate	6.11	0.67
Phosphorus Retention (PR)	1.48	Lower	1.29	Moderate	4.67	1.00
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	8.89	Higher			9.41	
Organic Nutrient Export (OE)	10.00	Higher			6.99	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.50	Higher	1.01	Lower	6.55	1.79
Amphibian & Turtle Habitat (AM)	3.22	Lower	1.27	Lower	4.81	2.81
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
Songbird, Raptor, & Mammal Habitat (SBM)	6.80	Moderate	2.50	Lower	5.92	2.50
Pollinator Habitat (POL)	8.02	Higher	0.00	Lower	6.64	0.00
Native Plant Habitat (PH)	4.45	Moderate	4.19	Lower	5.68	4.19
Public Use & Recognition (PU)			2.51	Moderate		2.02
Wetland Sensitivity (Sens)			8.75	Higher		4.66
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			5.55	Moderate		2.85
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.66	Higher	2.03	Lower	8.41	0.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.17	Higher	2.66	Lower	8.77	2.50
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.19	Higher	0.67	Lower	5.19	1.19
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.93	Lower	0.76	Lower	2.89	1.68
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.22	Higher	3.21	Lower	6.36	3.21
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.15	Higher		3.76

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	17.58026643	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.7674344	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.847354762	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.471690208	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	23.16657916	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL23

Date: 2024-07-30

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16743274, -61.63288521

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	6.28	Moderate	2.31	Lower	6.63	1.03
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	5.90	Higher	0.00	Lower	3.93	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	0.85	Lower	10.00	0.42
Phosphorus Retention (PR)	10.00	Higher	0.43	Lower	10.00	0.33
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Carbon Sequestration (CS)	4.10	Moderate			7.14	
Organic Nutrient Export (OE)	8.58	Higher			5.61	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	1.83	Lower	4.26	Moderate	4.24	3.54
Amphibian & Turtle Habitat (AM)	4.38	Moderate	4.77	Moderate	5.42	5.69
Waterbird Feeding Habitat (WBF)	6.04	Moderate	5.00	Moderate	4.60	5.00
Waterbird Nesting Habitat (WBN)	5.14	Moderate	5.00	Higher	3.73	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.59	Higher	5.00	Moderate	7.47	5.00
Pollinator Habitat (POL)	8.45	Higher	0.00	Lower	7.00	0.00
Native Plant Habitat (PH)	2.03	Lower	4.82	Lower	4.71	4.82
Public Use & Recognition (PU)			2.25	Moderate		1.84
Wetland Sensitivity (Sens)			8.79	Higher		4.68
Wetland Ecological Condition (EC)			0.72	Lower		5.56
Wetland Stressors (STR) (higher score means more stress)			7.81	Higher		3.93
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.28	Moderate	2.31	Lower	6.63	1.03
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.26	Higher	1.88	Lower	9.64	1.79
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.33	Higher	2.84	Lower	4.53	2.36
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.58	Moderate	3.98	Moderate	4.09	4.41
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.47	Higher	4.14	Lower	6.93	4.14
WETLAND CONDITION (EC)			0.72	Lower		5.56
WETLAND RISK (average of Sensitivity & Stressors)			8.30	Higher		4.30

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	14.51013934	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	17.41306024	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	17.95443581	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	18.19446204	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	30.90441371	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL24

Date: 2024-07-29

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16681719, -61.63460904

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	0.19	Lower	4.74	Moderate	2.09	2.10
Stream Flow Support (SFS)	4.83	Higher	5.06	Moderate	3.89	3.37
Water Cooling (WC)	8.90	Higher	6.91	Higher	5.93	3.74
Sediment Retention & Stabilisation (SR)	1.53	Lower	2.17	Moderate	3.39	1.06
Phosphorus Retention (PR)	1.69	Lower	1.93	Moderate	4.80	1.50
Nitrate Removal & Retention (NR)	1.19	Lower	5.00	Moderate	3.63	5.00
Carbon Sequestration (CS)	5.86	Moderate			7.97	
Organic Nutrient Export (OE)	7.91	Higher			5.17	
Anadromous Fish Habitat (FA)	5.67	Higher	3.18	Moderate	3.72	2.01
Resident Fish Habitat (FR)	2.48	Moderate	3.07	Moderate	1.35	1.91
Aquatic Invertebrate Habitat (INV)	3.57	Moderate	4.97	Moderate	4.95	3.92
Amphibian & Turtle Habitat (AM)	3.02	Lower	2.48	Lower	4.70	3.81
Waterbird Feeding Habitat (WBF)	4.69	Moderate	4.17	Moderate	3.57	4.17
Waterbird Nesting Habitat (WBN)	3.21	Moderate	0.00	Lower	2.33	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.01	Higher	0.00	Lower	7.85	0.00
Pollinator Habitat (POL)	8.02	Higher	0.00	Lower	6.65	0.00
Native Plant Habitat (PH)	0.68	Lower	4.83	Lower	4.17	4.83
Public Use & Recognition (PU)			3.03	Moderate		2.38
Wetland Sensitivity (Sens)			4.89	Moderate		3.56
Wetland Ecological Condition (EC)			0.00	Lower		2.78
Wetland Stressors (STR) (higher score means more stress)			5.57	Moderate		2.86
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.19	Lower	4.74	Moderate	2.09	2.10
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.21	Moderate	4.02	Moderate	6.46	3.76
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.60	Higher	6.28	Moderate	5.46	3.80
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.74	Moderate	3.37	Moderate	3.92	3.27
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.46	Higher	3.22	Lower	7.03	3.22
WETLAND CONDITION (EC)			0.00	Lower		2.78
WETLAND RISK (average of Sensitivity & Stressors)			5.23	Moderate		3.21

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	0.890079263	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	16.92425543	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	47.69739948	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	15.99505618	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	24.02758901	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL25

Date: 2024-07-29

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16688974, -61.63370003

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	1.06	Lower	2.20	Lower	2.74	0.98
Stream Flow Support (SFS)	6.28	Higher	6.60	Moderate	5.06	4.39
Water Cooling (WC)	8.90	Higher	7.92	Higher	5.93	4.29
Sediment Retention & Stabilisation (SR)	2.63	Lower	1.23	Moderate	4.25	0.60
Phosphorus Retention (PR)	1.51	Lower	0.86	Lower	4.69	0.67
Nitrate Removal & Retention (NR)	2.15	Lower	2.50	Lower	4.32	2.50
Carbon Sequestration (CS)	5.02	Moderate			7.57	
Organic Nutrient Export (OE)	9.42	Higher			6.16	
Anadromous Fish Habitat (FA)	9.06	Higher	2.71	Moderate	5.94	1.72
Resident Fish Habitat (FR)	5.29	Higher	2.59	Moderate	2.87	1.62
Aquatic Invertebrate Habitat (INV)	5.74	Higher	7.14	Higher	5.84	5.09
Amphibian & Turtle Habitat (AM)	5.23	Moderate	3.68	Moderate	5.86	4.79
Waterbird Feeding Habitat (WBF)	5.37	Moderate	4.17	Moderate	4.09	4.17
Waterbird Nesting Habitat (WBN)	5.50	Moderate	2.50	Moderate	3.99	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	8.95	Higher	2.50	Lower	7.79	2.50
Pollinator Habitat (POL)	7.31	Moderate	0.00	Lower	6.06	0.00
Native Plant Habitat (PH)	3.32	Lower	4.62	Lower	5.23	4.62
Public Use & Recognition (PU)			2.94	Moderate		2.32
Wetland Sensitivity (Sens)			4.27	Lower		3.39
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			5.57	Moderate		2.86
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.06	Lower	2.20	Lower	2.74	0.98
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.92	Moderate	2.01	Lower	6.39	1.88
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.50	Higher	7.57	Moderate	5.95	4.84
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	7.58	Higher	3.65	Moderate	5.25	3.88
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.74	Higher	3.50	Lower	7.08	3.50
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			4.92	Moderate		3.12

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	2.325976312	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.905558708	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	64.34454188	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	27.64048202	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	27.05824124	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL26

Date: 2024-07-30

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.16700543, -61.63047776

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	0.85	Lower	2.03	Lower	2.58	0.90
Stream Flow Support (SFS)	2.55	Moderate	5.35	Moderate	2.06	3.56
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	0.00	Lower	1.54	Moderate	1.72	0.75
Phosphorus Retention (PR)	0.00	Lower	1.88	Moderate	2.70	1.46
Nitrate Removal & Retention (NR)	0.77	Lower	7.50	Higher	3.33	7.50
Carbon Sequestration (CS)	0.00	Lower			4.94	
Organic Nutrient Export (OE)	6.30	Moderate			4.12	
Anadromous Fish Habitat (FA)	4.39	Higher	2.56	Moderate	2.88	1.63
Resident Fish Habitat (FR)	6.62	Higher	2.45	Moderate	3.60	1.53
Aquatic Invertebrate Habitat (INV)	1.50	Lower	4.16	Moderate	4.10	3.48
Amphibian & Turtle Habitat (AM)	2.94	Lower	0.32	Lower	4.67	2.03
Waterbird Feeding Habitat (WBF)	4.77	Moderate	0.83	Lower	3.63	0.83
Waterbird Nesting Habitat (WBN)	5.06	Moderate	0.00	Lower	3.67	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	2.82	Moderate	0.00	Lower	2.46	0.00
Pollinator Habitat (POL)	3.98	Moderate	0.00	Lower	3.30	0.00
Native Plant Habitat (PH)	0.87	Lower	1.92	Lower	4.25	1.92
Public Use & Recognition (PU)			2.25	Moderate		1.84
Wetland Sensitivity (Sens)			2.41	Lower		2.86
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			8.29	Higher		4.16
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.85	Lower	2.03	Lower	2.58	0.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	0.48	Lower	5.57	Moderate	4.06	5.37
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.45	Moderate	4.26	Moderate	3.34	2.96
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.69	Moderate	1.90	Moderate	4.18	1.62
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	3.27	Moderate	1.28	Lower	3.79	1.28
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			5.35	Moderate		3.51

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	1.72266493	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	2.682843056	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	18.95130491	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	10.80015257	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	4.176864126	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL27

Date: 2024-07-31

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16743843, -61.62745318

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.52	Higher	2.03	Lower	8.30	0.90
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	5.02	Moderate	1.36	Moderate	6.11	0.67
Phosphorus Retention (PR)	1.48	Lower	1.29	Moderate	4.67	1.00
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	6.25	Moderate			8.16	
Organic Nutrient Export (OE)	9.93	Higher			6.49	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	4.78	Moderate	1.08	Lower	5.44	1.83
Amphibian & Turtle Habitat (AM)	3.28	Lower	1.35	Lower	4.84	2.87
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.03	Moderate	2.50	Lower	6.12	2.50
Pollinator Habitat (POL)	7.35	Moderate	0.00	Lower	6.09	0.00
Native Plant Habitat (PH)	3.22	Lower	4.07	Lower	5.19	4.07
Public Use & Recognition (PU)			2.13	Moderate		1.76
Wetland Sensitivity (Sens)			7.46	Higher		4.30
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.92	Moderate		2.55
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.52	Higher	2.03	Lower	8.30	0.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.84	Higher	2.66	Lower	8.62	2.50
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.81	Higher	0.72	Lower	4.74	1.22
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.97	Lower	0.81	Lower	2.91	1.72
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.61	Moderate	3.13	Lower	5.96	3.13
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			6.19	Moderate		3.42

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	17.29679974	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	20.88934027	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.913409864	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.593911397	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	20.67438316	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL28

Date: 2024-08-01

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.1659243, -61.62467875

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	0.45	Lower	1.64	Lower	2.28	0.73
Stream Flow Support (SFS)	6.28	Higher	3.58	Moderate	5.06	2.38
Water Cooling (WC)	8.90	Higher	2.21	Moderate	5.93	1.20
Sediment Retention & Stabilisation (SR)	2.81	Lower	0.76	Lower	4.39	0.37
Phosphorus Retention (PR)	2.76	Lower	0.86	Lower	5.47	0.67
Nitrate Removal & Retention (NR)	2.11	Lower	2.22	Lower	4.30	2.22
Carbon Sequestration (CS)	6.27	Moderate			8.16	
Organic Nutrient Export (OE)	9.92	Higher			6.48	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.15	Moderate	4.76	Moderate	5.59	3.81
Amphibian & Turtle Habitat (AM)	5.47	Moderate	3.97	Moderate	5.99	5.03
Waterbird Feeding Habitat (WBF)	5.95	Moderate	2.50	Lower	4.53	2.50
Waterbird Nesting Habitat (WBN)	5.87	Moderate	2.50	Moderate	4.26	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	9.26	Higher	2.50	Lower	8.06	2.50
Pollinator Habitat (POL)	8.37	Higher	0.00	Lower	6.94	0.00
Native Plant Habitat (PH)	2.38	Lower	5.00	Lower	4.85	5.00
Public Use & Recognition (PU)			2.05	Moderate		1.70
Wetland Sensitivity (Sens)			4.38	Lower		3.42
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.45	Lower	1.64	Lower	2.28	0.73
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.88	Moderate	1.75	Lower	6.87	1.65
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.74	Higher	4.14	Moderate	6.12	3.13
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.70	Moderate	2.88	Moderate	4.47	3.52
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.96	Higher	3.75	Lower	7.34	3.75
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			4.40	Moderate		2.86

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	0.737888668	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	8.535474154	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	36.13883862	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	13.54570068	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	29.84409037	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL29

Date: 2024-08-01

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.16583395, -61.62337705

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	3.64	Lower	1.52	Lower	4.66	0.68
Stream Flow Support (SFS)	3.28	Moderate	3.57	Moderate	2.64	2.38
Water Cooling (WC)	5.75	Higher	0.86	Lower	3.83	0.47
Sediment Retention & Stabilisation (SR)	3.84	Moderate	1.93	Moderate	5.19	0.94
Phosphorus Retention (PR)	0.63	Lower	1.88	Moderate	4.14	1.46
Nitrate Removal & Retention (NR)	3.37	Moderate	5.00	Moderate	5.21	5.00
Carbon Sequestration (CS)	4.20	Moderate			7.18	
Organic Nutrient Export (OE)	9.21	Higher			6.02	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	6.55	Higher	3.58	Moderate	6.17	3.17
Amphibian & Turtle Habitat (AM)	6.08	Moderate	2.28	Lower	6.31	3.64
Waterbird Feeding Habitat (WBF)	4.46	Moderate	2.50	Lower	3.39	2.50
Waterbird Nesting Habitat (WBN)	5.94	Moderate	2.50	Moderate	4.31	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	5.77	Moderate	2.50	Lower	5.02	2.50
Pollinator Habitat (POL)	4.93	Moderate	0.00	Lower	4.08	0.00
Native Plant Habitat (PH)	2.70	Lower	3.03	Lower	4.98	3.03
Public Use & Recognition (PU)			2.05	Moderate		1.70
Wetland Sensitivity (Sens)			5.47	Moderate		3.73
Wetland Ecological Condition (EC)			7.39	Higher		8.75
Wetland Stressors (STR) (higher score means more stress)			8.05	Higher		4.05
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	3.64	Lower	1.52	Lower	4.66	0.68
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.60	Moderate	3.97	Moderate	6.31	3.73
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.70	Higher	3.13	Lower	5.42	2.59
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.69	Moderate	1.98	Moderate	4.55	2.68
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.11	Moderate	2.44	Lower	4.86	2.44
WETLAND CONDITION (EC)			7.39	Higher		8.75
WETLAND RISK (average of Sensitivity & Stressors)			6.76	Higher		3.89

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	5.543999022	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	14.28531702	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	24.07258169	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.265905877	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	12.47635063	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL30

Date: 2024-08-01

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16410552, -61.62106582

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.93	Higher	1.41	Lower	7.86	0.63
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	4.30	Moderate	0.91	Lower	5.56	0.44
Phosphorus Retention (PR)	1.23	Lower	0.86	Lower	4.51	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Carbon Sequestration (CS)	7.87	Higher			8.92	
Organic Nutrient Export (OE)	10.00	Higher			7.82	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.42	Moderate	1.21	Moderate	5.71	1.89
Amphibian & Turtle Habitat (AM)	3.43	Lower	1.48	Lower	4.92	2.98
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.40	Moderate	2.50	Lower	6.44	2.50
Pollinator Habitat (POL)	7.55	Moderate	0.00	Lower	6.25	0.00
Native Plant Habitat (PH)	4.03	Moderate	4.23	Lower	5.51	4.23
Public Use & Recognition (PU)			2.05	Moderate		1.70
Wetland Sensitivity (Sens)			10.00	Higher		5.35
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.93	Higher	1.41	Lower	7.86	0.63
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.93	Higher	1.96	Lower	8.62	1.85
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.93	Higher	0.80	Lower	5.60	1.26
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.06	Lower	0.89	Lower	2.95	1.79
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.94	Higher	3.24	Lower	6.25	3.24
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			7.21	Higher		3.83

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	11.18488864	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	15.5402645	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.570965802	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.825333771	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	22.4602537	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL31

Date: 2024-08-01

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.16437729, -61.62570457

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	5.56	Moderate	1.80	Lower	6.09	0.80
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.54	Moderate	10.00	0.75
Phosphorus Retention (PR)	10.00	Higher	1.79	Moderate	10.00	1.39
Nitrate Removal & Retention (NR)	10.00	Higher	4.33	Moderate	10.00	4.33
Carbon Sequestration (CS)	0.38	Lower			5.38	
Organic Nutrient Export (OE)	5.36	Moderate			3.50	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	0.00	Lower	1.27	Moderate	3.09	1.93
Amphibian & Turtle Habitat (AM)	1.34	Lower	0.77	Lower	3.83	2.40
Waterbird Feeding Habitat (WBF)	3.27	Moderate	2.50	Lower	2.49	2.50
Waterbird Nesting Habitat (WBN)	4.23	Moderate	2.50	Moderate	3.06	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	2.53	Moderate	2.50	Lower	2.20	2.50
Pollinator Habitat (POL)	3.44	Moderate	0.00	Lower	2.85	0.00
Native Plant Habitat (PH)	0.00	Lower	1.68	Lower	3.60	1.68
Public Use & Recognition (PU)			2.16	Moderate		1.78
Wetland Sensitivity (Sens)			2.16	Lower		2.78
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			9.17	Higher		4.58
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.56	Moderate	1.80	Lower	6.09	0.80
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.80	Higher	3.44	Moderate	9.42	3.25
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	3.35	Moderate	0.85	Lower	2.57	1.29
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.00	Moderate	1.83	Moderate	2.85	1.99
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	2.72	Moderate	1.95	Lower	3.24	1.95
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			5.67	Moderate		3.68

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	10.02913908	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	30.29230675	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	2.841934436	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	5.474973747	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	5.288557912	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL32

Date: 2024-08-01

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.16366673, -61.62307649

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	5.75	Moderate	1.52	Lower	6.24	0.68
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	4.92	Moderate	0.00	Lower	3.28	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.51	Moderate	10.00	0.74
Phosphorus Retention (PR)	10.00	Higher	1.61	Moderate	10.00	1.25
Nitrate Removal & Retention (NR)	10.00	Higher	4.00	Moderate	10.00	4.00
Carbon Sequestration (CS)	3.80	Moderate			6.99	
Organic Nutrient Export (OE)	6.13	Moderate			4.01	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	2.31	Lower	4.34	Moderate	4.43	3.58
Amphibian & Turtle Habitat (AM)	5.75	Moderate	3.57	Moderate	6.14	4.71
Waterbird Feeding Habitat (WBF)	5.20	Moderate	2.50	Lower	3.96	2.50
Waterbird Nesting Habitat (WBN)	5.13	Moderate	2.50	Moderate	3.72	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	8.80	Higher	2.50	Lower	7.66	2.50
Pollinator Habitat (POL)	5.85	Moderate	0.00	Lower	4.85	0.00
Native Plant Habitat (PH)	1.28	Lower	4.17	Lower	4.41	4.17
Public Use & Recognition (PU)			2.16	Moderate		1.78
Wetland Sensitivity (Sens)			5.39	Moderate		3.71
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			6.81	Higher		3.46
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.75	Moderate	1.52	Lower	6.24	0.68
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.22	Higher	3.19	Moderate	9.62	3.00
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.74	Moderate	2.89	Lower	3.68	2.39
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.49	Moderate	2.64	Moderate	4.45	3.32
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.05	Higher	3.20	Lower	6.65	3.20
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			6.10	Moderate		3.58

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	8.753651839	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	29.39428037	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	13.69729151	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.8625648	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	22.5514399	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL33

Date: 2024-08-27

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.1631831, -61.62209505

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.24	Higher	4.23	Moderate	8.09	1.88
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	4.30	Moderate	2.46	Moderate	5.56	1.20
Phosphorus Retention (PR)	1.18	Lower	2.50	Moderate	4.48	1.94
Nitrate Removal & Retention (NR)	10.00	Higher	5.67	Moderate	10.00	5.67
Carbon Sequestration (CS)	7.13	Higher			8.57	
Organic Nutrient Export (OE)	7.93	Higher			5.19	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	3.13	Lower	0.97	Lower	4.77	1.76
Amphibian & Turtle Habitat (AM)	3.22	Lower	1.21	Lower	4.81	2.76
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
Songbird, Raptor, & Mammal Habitat (SBM)	6.64	Moderate	2.50	Lower	5.78	2.50
Pollinator Habitat (POL)	6.34	Moderate	0.00	Lower	5.25	0.00
Native Plant Habitat (PH)	1.80	Lower	3.68	Lower	4.62	3.68
Public Use & Recognition (PU)			2.16	Moderate		1.78
Wetland Sensitivity (Sens)			6.08	Moderate		3.90
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			6.81	Higher		3.46
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.24	Higher	4.23	Moderate	8.09	1.88
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.83	Higher	4.60	Moderate	8.58	4.30
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.35	Moderate	0.64	Lower	3.84	1.18
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.93	Lower	0.73	Lower	2.89	1.66
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.78	Moderate	2.87	Lower	5.50	2.87
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			6.45	Moderate		3.68

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	34.85388826	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	36.03631189	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.448496573	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.402197434	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	16.58694483	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL34

Date: 2024-08-27

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.162456, -61.62668778

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.65	Higher	4.40	Moderate	7.66	1.95
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	3.59	Moderate	1.80	Moderate	5.00	0.88
Phosphorus Retention (PR)	0.93	Lower	1.88	Moderate	4.33	1.46
Nitrate Removal & Retention (NR)	10.00	Higher	4.50	Moderate	10.00	4.50
Carbon Sequestration (CS)	5.84	Moderate			7.96	
Organic Nutrient Export (OE)	9.00	Higher			5.88	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	4.60	Moderate	1.34	Moderate	5.37	1.97
Amphibian & Turtle Habitat (AM)	5.30	Moderate	1.26	Lower	5.90	2.80
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.77	Moderate	2.50	Lower	5.89	2.50
Pollinator Habitat (POL)	6.34	Moderate	0.00	Lower	5.25	0.00
Native Plant Habitat (PH)	1.86	Lower	3.72	Lower	4.65	3.72
Public Use & Recognition (PU)			2.16	Moderate		1.78
Wetland Sensitivity (Sens)			5.70	Moderate		3.79
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			5.73	Moderate		2.93
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.65	Higher	4.40	Moderate	7.66	1.95
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.55	Higher	3.61	Moderate	8.41	3.39
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.20	Higher	0.89	Lower	4.35	1.31
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.18	Moderate	0.75	Lower	3.54	1.68
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.88	Moderate	2.89	Lower	5.58	2.89
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			5.71	Moderate		3.36

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	33.66849692	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	27.25486642	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.533903332	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.396536843	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	17.01813196	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL35

Date: 2024-08-27

Observer: Cuun Niesink

Latitude & Longitude (decimal degrees): 45.16173846, -61.62524361

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	9.08	Higher	4.57	Moderate	8.72	2.03
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	7.15	Higher	1.51	Moderate	7.78	0.74
Phosphorus Retention (PR)	1.58	Lower	1.43	Moderate	4.73	1.11
Nitrate Removal & Retention (NR)	10.00	Higher	3.67	Moderate	10.00	3.67
Carbon Sequestration (CS)	9.95	Higher			9.91	
Organic Nutrient Export (OE)	6.28	Moderate			4.10	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	2.00	Lower	0.45	Lower	4.31	1.49
Amphibian & Turtle Habitat (AM)	0.79	Lower	1.05	Lower	3.54	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
Songbird, Raptor, & Mammal Habitat (SBM)	6.18	Moderate	2.50	Lower	5.38	2.50
Pollinator Habitat (POL)	6.34	Moderate	0.00	Lower	5.25	0.00
Native Plant Habitat (PH)	1.48	Lower	3.54	Lower	4.49	3.54
Public Use & Recognition (PU)			2.08	Moderate		1.72
Wetland Sensitivity (Sens)			7.19	Moderate		4.22
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			6.81	Higher		3.46
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	9.08	Higher	4.57	Moderate	8.72	2.03
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.58	Higher	2.93	Lower	9.05	2.75
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.17	Moderate	0.30	Lower	3.20	0.99
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	0.48	Lower	0.63	Lower	2.12	1.58
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.50	Moderate	2.78	Lower	5.21	2.78
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			7.00	Higher		3.84

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	41.46899961	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	25.19102145	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	1.252333988	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.299545084	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	15.29672435	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL36

Date: 2024-08-26

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.16331087, -61.62426077

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	6.80	Moderate	1.75	Lower	7.02	0.78
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	4.00	Moderate	0.00	Lower	2.67	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.54	Moderate	10.00	0.75
Phosphorus Retention (PR)	10.00	Higher	1.88	Moderate	10.00	1.46
Nitrate Removal & Retention (NR)	10.00	Higher	4.50	Moderate	10.00	4.50
Carbon Sequestration (CS)	3.54	Moderate			6.87	
Organic Nutrient Export (OE)	7.58	Higher			4.95	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	3.63	Moderate	3.81	Moderate	4.97	3.29
Amphibian & Turtle Habitat (AM)	7.60	Higher	2.40	Lower	7.11	3.74
Waterbird Feeding Habitat (WBF)	4.72	Moderate	2.50	Lower	3.59	2.50
Waterbird Nesting Habitat (WBN)	5.43	Moderate	2.50	Moderate	3.93	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	5.89	Moderate	2.50	Lower	5.13	2.50
Pollinator Habitat (POL)	5.28	Moderate	0.00	Lower	4.38	0.00
Native Plant Habitat (PH)	3.36	Lower	3.17	Lower	5.24	3.17
Public Use & Recognition (PU)			2.16	Moderate		1.78
Wetland Sensitivity (Sens)			4.01	Lower		3.31
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			9.35	Higher		4.67
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.80	Moderate	1.75	Lower	7.02	0.78
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.19	Higher	3.57	Moderate	9.61	3.37
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.69	Higher	2.54	Lower	4.06	2.20
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.58	Moderate	1.99	Moderate	5.02	2.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.37	Moderate	2.53	Lower	5.08	2.53
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			6.68	Moderate		3.99

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	11.89167278	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	32.80819987	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	14.43927752	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.09842098	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	13.58400653	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL37

Date: 2024-07-30

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.1638519, -61.63717363

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	0.34	Lower	7.22	Higher	2.20	3.20
Stream Flow Support (SFS)	5.59	Higher	5.60	Moderate	4.50	3.73
Water Cooling (WC)	8.90	Higher	6.77	Higher	5.93	3.67
Sediment Retention & Stabilisation (SR)	2.10	Lower	2.03	Moderate	3.83	0.99
Phosphorus Retention (PR)	1.96	Lower	2.41	Moderate	4.97	1.88
Nitrate Removal & Retention (NR)	2.06	Lower	6.50	Moderate	4.26	6.50
Carbon Sequestration (CS)	4.90	Moderate			7.52	
Organic Nutrient Export (OE)	9.76	Higher			6.38	
Anadromous Fish Habitat (FA)	5.67	Higher	2.70	Moderate	3.72	1.71
Resident Fish Habitat (FR)	6.40	Higher	2.59	Moderate	3.47	1.61
Aquatic Invertebrate Habitat (INV)	8.01	Higher	6.50	Higher	6.76	4.74
Amphibian & Turtle Habitat (AM)	5.29	Moderate	3.65	Moderate	5.89	4.77
Waterbird Feeding Habitat (WBF)	5.34	Moderate	4.17	Moderate	4.07	4.17
Waterbird Nesting Habitat (WBN)	4.93	Moderate	2.50	Moderate	3.58	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	8.89	Higher	2.50	Lower	7.74	2.50
Pollinator Habitat (POL)	8.41	Higher	0.00	Lower	6.97	0.00
Native Plant Habitat (PH)	4.12	Moderate	4.90	Lower	5.55	4.90
Public Use & Recognition (PU)			2.94	Moderate		2.32
Wetland Sensitivity (Sens)			5.78	Moderate		3.82
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			7.67	Higher		3.86
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.34	Lower	7.22	Higher	2.20	3.20
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.83	Moderate	5.07	Moderate	6.33	4.81
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.91	Higher	6.53	Moderate	6.33	4.40
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.96	Moderate	3.64	Moderate	5.02	3.86
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.01	Higher	3.68	Lower	7.24	3.68
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			6.72	Higher		3.84

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	2.439064019	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	19.41418629	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	58.16371608	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	21.71934811	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	29.52188452	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL38

Date: 2024-07-31

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.1646111, -61.6314104

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.93	Higher	2.14	Lower	7.86	0.95
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	3.83	Moderate	0.91	Lower	5.19	0.44
Phosphorus Retention (PR)	1.23	Lower	0.86	Lower	4.51	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	2.22	Lower	10.00	2.22
Carbon Sequestration (CS)	6.51	Higher			8.28	
Organic Nutrient Export (OE)	10.00	Higher			7.69	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	4.45	Moderate	1.10	Lower	5.31	1.84
Amphibian & Turtle Habitat (AM)	3.16	Lower	1.39	Lower	4.78	2.91
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.16	Moderate	2.50	Lower	6.23	2.50
Pollinator Habitat (POL)	7.35	Moderate	0.00	Lower	6.09	0.00
Native Plant Habitat (PH)	2.15	Lower	4.11	Lower	4.76	4.11
Public Use & Recognition (PU)			2.25	Moderate		1.84
Wetland Sensitivity (Sens)			7.30	Higher		4.25
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			5.09	Moderate		2.63
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.93	Higher	2.14	Lower	7.86	0.95
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.70	Higher	1.78	Lower	8.50	1.67
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.81	Higher	0.73	Lower	5.47	1.22
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.90	Lower	0.84	Lower	2.87	1.75
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.45	Moderate	3.15	Lower	5.96	3.15
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			6.20	Moderate		3.44

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	17.00103074	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	13.6643439	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.983304811	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.587524479	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	20.34116719	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL39

Date: 2024-07-30

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.16523889, -61.63608083

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	4.97	Moderate	4.51	Moderate	5.65	2.00
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	2.59	Moderate	10.00	1.27
Phosphorus Retention (PR)	10.00	Higher	3.04	Higher	10.00	2.36
Nitrate Removal & Retention (NR)	10.00	Higher	6.67	Moderate	10.00	6.67
Carbon Sequestration (CS)	0.00	Lower			4.80	
Organic Nutrient Export (OE)	4.75	Moderate			3.11	
Anadromous Fish Habitat (FA)	1.53	Moderate	2.81	Moderate	1.00	1.78
Resident Fish Habitat (FR)	4.81	Moderate	2.69	Moderate	2.61	1.68
Aquatic Invertebrate Habitat (INV)	2.79	Lower	2.72	Moderate	4.63	2.71
Amphibian & Turtle Habitat (AM)	3.49	Lower	0.69	Lower	4.95	2.33
Waterbird Feeding Habitat (WBF)	3.15	Moderate	4.17	Moderate	2.40	4.17
Waterbird Nesting Habitat (WBN)	4.39	Moderate	2.50	Moderate	3.18	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	2.41	Moderate	2.50	Lower	2.10	2.50
Pollinator Habitat (POL)	6.56	Moderate	0.00	Lower	5.43	0.00
Native Plant Habitat (PH)	1.84	Lower	2.51	Lower	4.64	2.51
Public Use & Recognition (PU)			3.03	Moderate		2.38
Wetland Sensitivity (Sens)			3.05	Lower		3.04
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			10.00	Higher		5.38
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	4.97	Moderate	4.51	Moderate	5.65	2.00
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.75	Higher	5.38	Moderate	9.35	5.05
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	3.32	Moderate	1.81	Lower	3.28	1.81
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.14	Moderate	3.37	Moderate	3.89	3.33
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.08	Moderate	2.09	Lower	4.74	2.09
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			6.53	Moderate		4.21

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	22.40916073	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	47.09669056	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	6.016152112	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	13.94777478	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	10.61424281	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL40

Date: 2024-07-29

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16463599, -61.63922408

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	2.60	Lower	3.34	Lower	3.89	1.48
Stream Flow Support (SFS)	2.62	Moderate	2.33	Moderate	2.11	1.55
Water Cooling (WC)	8.40	Higher	1.16	Lower	5.60	0.63
Sediment Retention & Stabilisation (SR)	2.51	Lower	1.77	Moderate	4.16	0.87
Phosphorus Retention (PR)	1.89	Lower	4.29	Higher	4.93	3.33
Nitrate Removal & Retention (NR)	2.30	Lower	4.83	Moderate	4.43	4.83
Carbon Sequestration (CS)	4.29	Moderate			7.23	
Organic Nutrient Export (OE)	10.00	Higher			7.23	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.47	Higher	4.30	Moderate	6.54	3.56
Amphibian & Turtle Habitat (AM)	5.15	Moderate	3.56	Moderate	5.82	4.69
Waterbird Feeding Habitat (WBF)	5.00	Moderate	2.50	Lower	3.80	2.50
Waterbird Nesting Habitat (WBN)	5.45	Moderate	2.50	Moderate	3.95	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	8.92	Higher	2.50	Lower	7.77	2.50
Pollinator Habitat (POL)	9.26	Higher	0.00	Lower	7.67	0.00
Native Plant Habitat (PH)	4.42	Moderate	5.15	Lower	5.66	5.15
Public Use & Recognition (PU)			1.81	Moderate		1.54
Wetland Sensitivity (Sens)			5.96	Moderate		3.87
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			10.00	Higher		4.99
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.60	Lower	3.34	Lower	3.89	1.48
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.52	Moderate	4.23	Moderate	6.21	3.92
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.56	Higher	3.45	Lower	6.30	2.74
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.29	Moderate	2.63	Moderate	4.27	3.31
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.40	Higher	3.85	Lower	7.40	3.85
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			7.98	Higher		4.43

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	8.69293812	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	14.89584947	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	29.50248035	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.28464398	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	32.31014511	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL41

Date: 2024-07-29

Observer: Alex Scott

Latitude & Longitude (decimal degrees): 45.16388237, -61.64002292

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	0.79	Lower	3.21	Lower	2.53	1.43
Stream Flow Support (SFS)	1.31	Lower	3.40	Moderate	1.06	2.26
Water Cooling (WC)	5.40	Higher	2.28	Moderate	3.60	1.24
Sediment Retention & Stabilisation (SR)	2.73	Lower	8.58	Higher	4.32	4.20
Phosphorus Retention (PR)	0.27	Lower	7.93	Higher	3.92	6.17
Nitrate Removal & Retention (NR)	3.32	Moderate	10.00	Higher	5.17	10.00
Carbon Sequestration (CS)	0.00	Lower			5.11	
Organic Nutrient Export (OE)	8.04	Higher			5.25	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	7.71	Higher	3.24	Moderate	4.19	2.02
Aquatic Invertebrate Habitat (INV)	9.24	Higher	5.38	Moderate	7.26	4.14
Amphibian & Turtle Habitat (AM)	8.16	Higher	0.33	Lower	7.40	2.04
Waterbird Feeding Habitat (WBF)	8.03	Higher	0.83	Lower	6.11	0.83
Waterbird Nesting Habitat (WBN)	9.85	Higher	0.00	Lower	7.14	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	0.00	Lower	0.00	Lower	0.00	0.00
Pollinator Habitat (POL)	0.00	Lower	0.00	Lower	0.00	0.00
Native Plant Habitat (PH)	5.35	Moderate	0.00	Lower	6.04	0.00
Public Use & Recognition (PU)			2.25	Moderate		1.84
Wetland Sensitivity (Sens)			4.63	Moderate		3.49
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.48	Moderate		2.34
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.79	Lower	3.21	Lower	2.53	1.43
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.45	Moderate	9.42	Higher	4.90	8.40
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.62	Higher	4.53	Moderate	5.78	3.34
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	8.30	Higher	2.06	Moderate	6.18	1.51
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	3.57	Moderate	0.00	Lower	4.02	0.00
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			4.56	Moderate		2.92

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	2.527506314	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	23.05595895	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	34.52912978	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	17.10398088	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	0	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL42

Date: 2024-08-28

Observer: Cuun Niesink

Latitude & Longitude (decimal degrees): 45.16305054, -61.63896471

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.63	Moderate	0.34	Lower	7.64	0.15
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	4.30	Moderate	1.61	Moderate	5.56	0.79
Phosphorus Retention (PR)	0.65	Lower	1.70	Moderate	4.15	1.32
Nitrate Removal & Retention (NR)	10.00	Higher	4.17	Moderate	10.00	4.17
Carbon Sequestration (CS)	8.31	Higher			9.13	
Organic Nutrient Export (OE)	6.55	Moderate			4.28	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.13	Moderate	0.99	Lower	5.58	1.78
Amphibian & Turtle Habitat (AM)	1.53	Lower	0.58	Lower	3.93	2.24
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.73	Higher	0.00	Lower	6.73	0.00
Pollinator Habitat (POL)	6.84	Moderate	0.00	Lower	5.67	0.00
Native Plant Habitat (PH)	4.26	Moderate	4.13	Lower	5.60	4.13
Public Use & Recognition (PU)			2.39	Moderate		1.94
Wetland Sensitivity (Sens)			5.88	Moderate		3.85
Wetland Ecological Condition (EC)			6.52	Higher		8.33
Wetland Stressors (STR) (higher score means more stress)			5.86	Moderate		3.00
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.63	Moderate	0.34	Lower	7.64	0.15
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.91	Higher	3.33	Moderate	8.60	3.13
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.74	Moderate	0.66	Lower	4.03	1.18
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	0.92	Lower	0.35	Lower	2.36	1.35
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.00	Higher	2.76	Lower	6.36	2.76
WETLAND CONDITION (EC)			6.52	Higher		8.33
WETLAND RISK (average of Sensitivity & Stressors)			5.87	Moderate		3.42

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	2.580435489	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	26.31715441	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.118895282	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.321943097	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	19.29981845	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL43

Date: 2024-08-28

Observer: Cuun Niesink

Latitude & Longitude (decimal degrees): 45.16298968, -61.63835395

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	1.93	Lower	0.34	Lower	3.39	0.15
Stream Flow Support (SFS)	6.83	Higher	2.08	Moderate	5.50	1.39
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	2.88	Lower	8.41	Higher	4.44	4.12
Phosphorus Retention (PR)	0.00	Lower	8.13	Higher	3.47	6.32
Nitrate Removal & Retention (NR)	2.11	Lower	10.00	Higher	4.30	10.00
Carbon Sequestration (CS)	7.18	Higher			8.60	
Organic Nutrient Export (OE)	9.30	Higher			6.08	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.43	Higher	1.55	Moderate	6.52	2.08
Amphibian & Turtle Habitat (AM)	3.65	Moderate	0.87	Lower	5.04	2.48
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
Songbird, Raptor, & Mammal Habitat (SBM)	8.54	Higher	0.00	Lower	7.43	0.00
Pollinator Habitat (POL)	6.53	Moderate	0.00	Lower	5.41	0.00
Native Plant Habitat (PH)	5.67	Moderate	4.28	Lower	6.16	4.28
Public Use & Recognition (PU)			2.47	Moderate		2.00
Wetland Sensitivity (Sens)			7.87	Higher		4.41
Wetland Ecological Condition (EC)			2.17	Lower		6.25
Wetland Stressors (STR) (higher score means more stress)			7.31	Higher		3.69
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.93	Lower	0.34	Lower	3.39	0.15
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	5.11	Moderate	9.42	Higher	6.90	8.41
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.59	Higher	1.65	Lower	5.52	1.62
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.19	Lower	0.52	Lower	3.02	1.49
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.73	Higher	2.85	Lower	6.88	2.85
WETLAND CONDITION (EC)			2.17	Lower		6.25
WETLAND RISK (average of Sensitivity & Stressors)			7.59	Higher		4.05

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	0.652862008	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	48.15276045	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	12.51562586	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.14128157	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	22.04626832	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL44

Date: 2024-08-28

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.15993203, -61.6342852

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.88	Higher	3.32	Lower	8.57	1.47
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	6.44	Moderate	1.70	Moderate	7.22	0.83
Phosphorus Retention (PR)	1.37	Lower	1.79	Moderate	4.60	1.39
Nitrate Removal & Retention (NR)	10.00	Higher	4.33	Moderate	10.00	4.33
Carbon Sequestration (CS)	3.91	Moderate			7.05	
Organic Nutrient Export (OE)	7.27	Moderate			4.75	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	8.83	Higher	1.34	Moderate	7.10	1.97
Amphibian & Turtle Habitat (AM)	3.64	Moderate	0.60	Lower	5.03	2.25
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.77	Higher	0.00	Lower	6.76	0.00
Pollinator Habitat (POL)	8.85	Higher	0.00	Lower	7.34	0.00
Native Plant Habitat (PH)	4.27	Moderate	4.70	Lower	5.60	4.70
Public Use & Recognition (PU)			3.20	Moderate		2.49
Wetland Sensitivity (Sens)			8.48	Higher		4.59
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			7.27	Higher		3.67
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.88	Higher	3.32	Lower	8.57	1.47
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.71	Higher	3.47	Moderate	8.61	3.26
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.43	Higher	0.89	Lower	5.03	1.31
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.18	Lower	0.36	Lower	3.02	1.35
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.91	Higher	3.13	Lower	6.95	3.13
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			7.88	Higher		4.13

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	29.50532204	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	26.77004213	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.735999996	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.781135011	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	24.77683172	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL45

Date: 2024-08-27

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.16190637, -61.63248377

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.93	Higher	4.00	Moderate	7.86	1.78
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	4.02	Moderate	1.80	Moderate	5.33	0.88
Phosphorus Retention (PR)	1.03	Lower	1.88	Moderate	4.39	1.46
Nitrate Removal & Retention (NR)	10.00	Higher	4.50	Moderate	10.00	4.50
Carbon Sequestration (CS)	5.26	Moderate			7.68	
Organic Nutrient Export (OE)	8.64	Higher			5.65	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	6.90	Higher	1.49	Moderate	6.31	2.04
Amphibian & Turtle Habitat (AM)	5.65	Moderate	0.36	Lower	6.09	2.06
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.10	Moderate	0.00	Lower	6.18	0.00
Pollinator Habitat (POL)	8.80	Higher	0.00	Lower	7.29	0.00
Native Plant Habitat (PH)	3.52	Lower	4.49	Lower	5.31	4.49
Public Use & Recognition (PU)			3.12	Moderate		2.44
Wetland Sensitivity (Sens)			6.80	Moderate		4.11
Wetland Ecological Condition (EC)			5.65	Moderate		7.92
Wetland Stressors (STR) (higher score means more stress)			6.18	Higher		3.15
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.93	Higher	4.00	Moderate	7.86	1.78
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.54	Higher	3.61	Moderate	8.43	3.39
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.26	Higher	0.99	Lower	4.65	1.36
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.39	Moderate	0.22	Lower	3.65	1.24
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.64	Higher	2.99	Lower	6.78	2.99
WETLAND CONDITION (EC)			5.65	Moderate		7.92
WETLAND RISK (average of Sensitivity & Stressors)			6.49	Moderate		3.63

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	31.76508375	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	27.22768488	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	6.203858779	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.73475223	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	22.85576973	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL46

Date: 2024-08-27

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.1594124, -61.6295876

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.79	Higher	4.12	Moderate	7.76	1.83
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	3.59	Moderate	2.08	Moderate	5.00	1.02
Phosphorus Retention (PR)	0.93	Lower	2.14	Moderate	4.33	1.67
Nitrate Removal & Retention (NR)	10.00	Higher	5.00	Moderate	10.00	5.00
Carbon Sequestration (CS)	2.97	Lower			6.60	
Organic Nutrient Export (OE)	9.00	Higher			5.88	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	4.49	Moderate	1.38	Moderate	5.32	1.99
Amphibian & Turtle Habitat (AM)	5.80	Moderate	0.19	Lower	6.16	1.92
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.62	Moderate	0.00	Lower	5.76	0.00
Pollinator Habitat (POL)	6.34	Moderate	0.00	Lower	5.25	0.00
Native Plant Habitat (PH)	1.82	Lower	3.67	Lower	4.63	3.67
Public Use & Recognition (PU)			3.20	Moderate		2.50
Wetland Sensitivity (Sens)			6.06	Moderate		3.90
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			7.40	Higher		3.74
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.79	Higher	4.12	Moderate	7.76	1.83
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.19	Higher	4.04	Moderate	8.24	3.78
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.18	Higher	0.92	Lower	4.34	1.33
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.48	Moderate	0.12	Lower	3.70	1.15
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.78	Moderate	2.45	Lower	5.49	2.45
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			6.73	Higher		3.82

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	32.08506739	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	29.0144072	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.6944041	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.403792555	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	14.14118192	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL47

Date: 2024-08-28

Observer: Cuun Niesink

Latitude & Longitude (decimal degrees): 45.15746993, -61.62997182

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.02	Higher	0.23	Lower	7.93	0.10
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	10.00	Higher	0.00	Lower	6.67	0.00
Sediment Retention & Stabilisation (SR)	4.02	Moderate	2.08	Moderate	5.33	1.02
Phosphorus Retention (PR)	1.03	Lower	2.68	Higher	4.39	2.08
Nitrate Removal & Retention (NR)	10.00	Higher	5.00	Moderate	10.00	5.00
Carbon Sequestration (CS)	4.29	Moderate			7.23	
Organic Nutrient Export (OE)	8.29	Higher			5.42	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	3.02	Lower	0.71	Lower	4.72	1.62
Amphibian & Turtle Habitat (AM)	1.31	Lower	1.27	Lower	3.81	2.81
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
Songbird, Raptor, & Mammal Habitat (SBM)	6.82	Moderate	2.50	Lower	5.94	2.50
Pollinator Habitat (POL)	8.63	Higher	0.00	Lower	7.15	0.00
Native Plant Habitat (PH)	2.61	Lower	4.36	Lower	4.94	4.36
Public Use & Recognition (PU)			2.71	Moderate		2.16
Wetland Sensitivity (Sens)			6.90	Moderate		4.14
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			9.22	Higher		4.61
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.02	Higher	0.23	Lower	7.93	0.10
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.42	Higher	4.13	Moderate	8.37	3.85
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.66	Higher	0.47	Lower	5.43	1.08
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	0.78	Lower	0.76	Lower	2.29	1.69
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.33	Higher	3.33	Lower	6.58	3.33
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			8.06	Higher		4.37

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	1.808479962	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	30.60758725	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.604133494	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.598751288	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	24.36060742	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL61

Date: 2024-08-29

Observer: Jordan Davis

Latitude & Longitude (decimal degrees): 45.17718606, -61.61852012

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	1.14	Lower	1.69	Lower	2.79	0.75
Stream Flow Support (SFS)	6.00	Higher	6.15	Moderate	4.83	4.09
Water Cooling (WC)	5.45	Higher	6.96	Higher	3.63	3.77
Sediment Retention & Stabilisation (SR)	2.81	Lower	1.44	Moderate	4.39	0.71
Phosphorus Retention (PR)	0.81	Lower	1.34	Moderate	4.25	1.04
Nitrate Removal & Retention (NR)	2.53	Lower	3.50	Lower	4.60	3.50
Carbon Sequestration (CS)	3.30	Moderate			6.76	
Organic Nutrient Export (OE)	9.50	Higher			6.21	
Anadromous Fish Habitat (FA)	7.80	Higher	3.96	Moderate	5.11	2.51
Resident Fish Habitat (FR)	6.82	Higher	3.86	Moderate	3.70	2.41
Aquatic Invertebrate Habitat (INV)	7.93	Higher	8.28	Higher	6.73	5.70
Amphibian & Turtle Habitat (AM)	6.60	Moderate	3.07	Moderate	6.58	4.29
Waterbird Feeding Habitat (WBF)	7.94	Higher	0.83	Lower	6.05	0.83
Waterbird Nesting Habitat (WBN)	8.20	Higher	0.00	Lower	5.95	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.83	Higher	0.00	Lower	6.82	0.00
Pollinator Habitat (POL)	7.84	Moderate	0.00	Lower	6.50	0.00
Native Plant Habitat (PH)	5.36	Moderate	4.44	Lower	6.04	4.44
Public Use & Recognition (PU)			2.39	Moderate		1.94
Wetland Sensitivity (Sens)			2.21	Lower		2.80
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			5.79	Moderate		2.97
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.14	Lower	1.69	Lower	2.79	0.75
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.83	Moderate	2.80	Lower	5.88	2.62
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.36	Higher	7.70	Higher	6.04	5.11
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	7.84	Higher	3.15	Moderate	6.03	3.15
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.43	Higher	2.96	Lower	6.64	2.96
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			4.00	Lower		2.88

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	1.922446909	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.922930324	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	64.40115308	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	24.69065029	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.98202846	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL49

Date: 2024-09-26

Observer: Emily MacLean

Latitude & Longitude (decimal degrees): 45.18352127, -61.60879682

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	2.17	Lower	1.69	Lower	3.56	0.75
Stream Flow Support (SFS)	2.10	Moderate	5.35	Moderate	1.69	3.56
Water Cooling (WC)	5.54	Higher	2.59	Moderate	3.69	1.40
Sediment Retention & Stabilisation (SR)	1.29	Lower	8.57	Higher	3.21	4.20
Phosphorus Retention (PR)	0.71	Lower	8.13	Higher	4.19	6.32
Nitrate Removal & Retention (NR)	2.19	Lower	10.00	Higher	4.36	10.00
Carbon Sequestration (CS)	4.07	Moderate			7.12	
Organic Nutrient Export (OE)	8.64	Higher			5.65	
Anadromous Fish Habitat (FA)	7.75	Higher	2.09	Moderate	5.08	1.33
Resident Fish Habitat (FR)	3.50	Moderate	1.97	Moderate	1.90	1.23
Aquatic Invertebrate Habitat (INV)	4.60	Moderate	6.14	Higher	5.37	4.55
Amphibian & Turtle Habitat (AM)	5.50	Moderate	3.71	Moderate	6.01	4.82
Waterbird Feeding Habitat (WBF)	5.43	Moderate	2.50	Lower	4.14	2.50
Waterbird Nesting Habitat (WBN)	3.26	Moderate	2.50	Moderate	2.37	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	8.98	Higher	2.50	Lower	7.82	2.50
Pollinator Habitat (POL)	8.74	Higher	0.00	Lower	7.24	0.00
Native Plant Habitat (PH)	5.30	Moderate	5.02	Lower	6.02	5.02
Public Use & Recognition (PU)			2.22	Moderate		1.82
Wetland Sensitivity (Sens)			8.00	Higher		4.45
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			5.73	Moderate		2.93
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.17	Lower	1.69	Lower	3.56	0.75
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.07	Moderate	9.45	Higher	5.92	8.42
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.93	Higher	5.42	Moderate	4.88	3.86
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	6.42	Higher	3.13	Moderate	4.95	3.65
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.33	Higher	3.76	Lower	7.42	3.76
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			6.86	Higher		3.69

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	3.666441963	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	28.97234893	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	37.55623736	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	20.10997344	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	31.34707377	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL50

Date: 2024-09-26

Observer: Emily MacLean

Latitude & Longitude (decimal degrees): 45.185475, -61.60801525

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.91	Higher	1.80	Lower	7.85	0.80
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	2.88	Lower	1.61	Moderate	4.44	0.79
Phosphorus Retention (PR)	1.59	Lower	1.70	Moderate	4.74	1.32
Nitrate Removal & Retention (NR)	10.00	Higher	4.17	Moderate	10.00	4.17
Carbon Sequestration (CS)	4.50	Moderate			7.33	
Organic Nutrient Export (OE)	8.69	Higher			5.68	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.17	Higher	1.11	Lower	6.42	1.84
Amphibian & Turtle Habitat (AM)	3.46	Lower	1.35	Lower	4.94	2.87
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.03	Moderate	2.50	Lower	6.12	2.50
Pollinator Habitat (POL)	7.19	Moderate	0.00	Lower	5.96	0.00
Native Plant Habitat (PH)	4.05	Moderate	4.03	Lower	5.52	4.03
Public Use & Recognition (PU)			2.05	Moderate		1.70
Wetland Sensitivity (Sens)			9.67	Higher		4.93
Wetland Ecological Condition (EC)			7.39	Higher		8.75
Wetland Stressors (STR) (higher score means more stress)			5.73	Moderate		2.93
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.91	Higher	1.80	Lower	7.85	0.80
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.37	Higher	3.33	Moderate	8.31	3.13
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.32	Higher	0.74	Lower	4.72	1.23
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.08	Lower	0.81	Lower	2.96	1.72
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.64	Moderate	3.10	Lower	5.99	3.10
WETLAND CONDITION (EC)			7.39	Higher		8.75
WETLAND RISK (average of Sensitivity & Stressors)			7.70	Higher		3.93

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	14.2698097	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	24.53519633	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.683287149	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.67819194	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	20.58390569	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL51

Date: 2024-09-26

Observer: Emily MacLean

Latitude & Longitude (decimal degrees): 45.18645152, -61.60809872

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	7.38	Moderate	1.97	Lower	7.45	0.88
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	2.17	Lower	1.61	Moderate	3.89	0.79
Phosphorus Retention (PR)	0.76	Lower	1.70	Moderate	4.22	1.32
Nitrate Removal & Retention (NR)	10.00	Higher	4.17	Moderate	10.00	4.17
Carbon Sequestration (CS)	6.01	Moderate			8.04	
Organic Nutrient Export (OE)	9.00	Higher			5.89	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	6.15	Higher	1.12	Lower	6.00	1.84
Amphibian & Turtle Habitat (AM)	3.38	Lower	1.37	Lower	4.89	2.89
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.09	Moderate	2.50	Lower	6.17	2.50
Pollinator Habitat (POL)	7.06	Moderate	0.00	Lower	5.85	0.00
Native Plant Habitat (PH)	4.41	Moderate	4.01	Lower	5.66	4.01
Public Use & Recognition (PU)			2.22	Moderate		1.82
Wetland Sensitivity (Sens)			10.00	Higher		5.31
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			5.73	Moderate		2.93
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.38	Moderate	1.97	Lower	7.45	0.88
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.37	Higher	3.33	Moderate	8.27	3.13
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.40	Higher	0.74	Lower	4.49	1.23
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.03	Lower	0.82	Lower	2.94	1.73
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.64	Moderate	3.09	Lower	6.03	3.09
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			7.86	Higher		4.12

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	14.56035243	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	24.52042866	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.755426314	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.667234475	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	20.51152063	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Site Name or ID#:	25-12155 NSF
Investigator Name:	Abby Millard and Mason Koch
Date of Field Assessment:	Sep. 26, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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)	6.59	Moderate	1.07	Lower	6.21	0.48
Stream Flow & Temperature Support (SFTS)	1.02	Lower	0.00	Lower	0.75	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	10.00	Higher	5.81	Moderate	10.00	4.70
Phosphorus Retention (PR)	10.00	Higher	6.12	Moderate	10.00	6.23
Nitrate Removal & Retention (NR)	10.00	Higher	4.17	Moderate	10.00	4.17
Wildfire Resistance (WFR)	4.42	Moderate	0.00	Lower	4.05	0.00
Carbon Stock Preservation (CSP)	8.45	Higher			8.50	
Carbon Capture (CC)	8.03	Higher			5.48	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	6.02	Moderate	2.92	Lower	4.45	2.79
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	3.45	Moderate	2.13	Moderate	2.66	0.93
Amphibian Habitat (AM)	5.75	Moderate	4.80	Moderate	5.46	5.72
Waterbird Feeding Habitat (WBF)	6.61	Moderate	8.33	Higher	4.67	8.33
Waterbird Nesting Habitat (WBN)	8.17	Higher	8.33	Higher	5.74	8.33
Raptor & Wetland Songbird Habitat (RSB)	7.18	Moderate	4.30	Moderate	7.18	4.30
Keystone Mammal Habitat (KMH)	4.00	Moderate	2.50	Lower	5.31	2.08
Native Plant Habitat (PH)	9.32	Higher	6.20	Moderate	7.63	6.56
Pollinator Habitat (POL)	9.96	Higher	6.67	Higher	9.44	6.67
Cultural & Recreational Importance (CRI)			1.51	Lower		1.50
Wetland Sensitivity (Sens)			8.10	Higher		5.16
Wetland Stressors (STR)			5.85	Higher		4.81
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)	6.59	Moderate	1.07	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.81	Higher	5.74	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	4.18	Moderate	2.19	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	6.48	Higher	6.53	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	9.39	Higher	6.19	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	7.06	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	56.30	High
SUPPORT SUPERGROUP - AQUATIC SUPPORT	9.15	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	42.32	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	58.14	Moderate

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

Site Name or ID#:	25-12155 NSF
Investigator Name:	Abby Millard and Mason Koch
Date of Field Assessment:	Sep. 26, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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)	4.70	Moderate	1.47	Lower	4.88	0.65
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	10.00	Higher	0.64	Lower	10.00	0.67
Phosphorus Retention (PR)	10.00	Higher	0.91	Lower	10.00	1.17
Nitrate Removal & Retention (NR)	10.00	Higher	1.67	Lower	10.00	1.67
Wildfire Resistance (WFR)	0.70	Lower	0.00	Lower	0.65	0.00
Carbon Stock Preservation (CSP)	8.85	Higher			8.73	
Carbon Capture (CC)	3.38	Lower			4.13	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	1.36	Lower	2.63	Lower	3.07	2.61
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)	5.74	Moderate	3.97	Moderate	5.46	5.05
Waterbird Feeding Habitat (WBF)	3.54	Moderate	8.33	Higher	2.50	8.33
Waterbird Nesting Habitat (WBN)	5.28	Moderate	8.33	Higher	3.71	8.33
Raptor & Wetland Songbird Habitat (RSB)	6.65	Moderate	4.30	Moderate	6.65	4.30
Keystone Mammal Habitat (KMH)	2.89	Moderate	2.50	Lower	4.69	2.08
Native Plant Habitat (PH)	1.69	Lower	6.14	Moderate	5.59	6.50
Pollinator Habitat (POL)	10.07	Higher	6.67	Higher	9.55	6.67
Cultural & Recreational Importance (CRI)			0.41	Lower		0.68
Wetland Sensitivity (Sens)			3.90	Lower		3.80
Wetland Stressors (STR)			2.53	Moderate		2.73
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)	4.70	Moderate	1.47	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.86	Higher	1.37	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	0.91	Lower	1.97	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.33	Moderate	6.23	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.11	Higher	6.18	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	6.89	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	13.50	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	1.79	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	26.97	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	50.12	Low

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

Site Name or ID#:	1130CRMK01
Investigator Name:	CR MK
Date of Field Assessment:	14-Aug-25

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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	2.37	Lower	7.64	1.05
Stream Flow & Temperature Support (SFTS)	0.78	Lower	0.00	Lower	0.57	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	5.47	Moderate	0.55	Lower	6.17	0.59
Phosphorus Retention (PR)	10.00	Higher	0.77	Lower	10.00	1.04
Nitrate Removal & Retention (NR)	10.00	Higher	1.67	Lower	10.00	1.67
Wildfire Resistance (WFR)	0.38	Lower	0.00	Lower	0.35	0.00
Carbon Stock Preservation (CSP)	8.10	Higher			8.30	
Carbon Capture (CC)	4.55	Moderate			4.47	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	1.73	Lower	3.14	Lower	3.18	2.92
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)	5.02	Moderate	3.17	Moderate	4.99	4.39
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.50	Moderate	4.57	Moderate	6.50	4.57
Keystone Mammal Habitat (KMH)	2.55	Lower	2.50	Lower	4.50	2.08
Native Plant Habitat (PH)	2.54	Lower	6.05	Moderate	5.82	6.42
Pollinator Habitat (POL)	9.51	Higher	6.67	Higher	9.02	6.67
Cultural & Recreational Importance (CRI)			0.38	Lower		0.65
Wetland Sensitivity (Sens)			7.15	Higher		4.85
Wetland Stressors (STR)			2.63	Moderate		2.80
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	2.37	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.20	Higher	1.33	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	1.28	Lower	2.36	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.01	Moderate	1.90	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.85	Higher	6.21	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	20.42	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	12.24	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.03	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	5.73	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	48.77	Low

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

Site Name or ID#:	1310CRMK02
Investigator Name:	CR MK
Date of Field Assessment:	14-Aug-25

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	7.44	Higher	2.37	Lower	6.81	1.05
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	6.06	Moderate	0.55	Lower	6.67	0.59
Phosphorus Retention (PR)	10.00	Higher	0.77	Lower	10.00	1.04
Nitrate Removal & Retention (NR)	10.00	Higher	1.67	Lower	10.00	1.67
Wildfire Resistance (WFR)	0.27	Lower	0.00	Lower	0.25	0.00
Carbon Stock Preservation (CSP)	9.46	Higher			9.08	
Carbon Capture (CC)	5.56	Moderate			4.76	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	3.80	Moderate	3.13	Lower	3.79	2.92
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)	4.54	Moderate	1.46	Lower	4.68	2.99
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.73	Moderate	1.45	Lower	6.73	1.45
Keystone Mammal Habitat (KMH)	3.19	Moderate	7.50	Higher	4.86	2.92
Native Plant Habitat (PH)	3.11	Lower	2.33	Lower	5.97	3.05
Pollinator Habitat (POL)	8.96	Moderate	3.33	Higher	8.50	3.33
Cultural & Recreational Importance (CRI)			0.53	Lower		0.76
Wetland Sensitivity (Sens)			8.16	Higher		5.18
Wetland Stressors (STR)			2.63	Moderate		2.80
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	7.44	Higher	2.37	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.44	Higher	1.33	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	2.53	Moderate	2.35	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.72	Moderate	0.88	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.61	Moderate	2.85	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	17.61	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	12.56	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.94	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.39	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.72	Low

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

Site Name or ID#:	1419CRMK03
Investigator Name:	CR
Date of Field Assessment:	Aug 14 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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)	10.20	Higher	10.49	Higher	8.75	4.65
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	-0.11	Lower	8.89	0.08
Phosphorus Retention (PR)	10.00	Higher	-0.18	Lower	10.00	0.12
Nitrate Removal & Retention (NR)	10.00	Higher	1.17	Lower	10.00	1.17
Wildfire Resistance (WFR)	0.34	Lower	4.36	Moderate	0.31	4.00
Carbon Stock Preservation (CSP)	8.52	Higher			8.54	
Carbon Capture (CC)	5.33	Moderate			4.70	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	3.19	Lower	7.65	Higher	3.61	5.66
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)	8.69	Higher	3.79	Moderate	7.37	4.90
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.82	Moderate	5.93	Moderate	6.82	5.93
Keystone Mammal Habitat (KMH)	7.19	Higher	7.50	Higher	7.09	2.92
Native Plant Habitat (PH)	4.83	Moderate	7.38	Higher	6.43	7.62
Pollinator Habitat (POL)	9.01	Moderate	10.00	Higher	8.54	10.00
Cultural & Recreational Importance (CRI)			0.70	Lower		0.89
Wetland Sensitivity (Sens)			8.79	Higher		5.39
Wetland Stressors (STR)			-0.13	Lower		1.06
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)	10.20	Higher	10.49	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.65	Higher	0.73	Moderate		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	2.13	Lower	5.74	Higher		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	5.22	Higher	2.27	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.95	Moderate	8.88	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	106.97	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	7.03	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	12.21	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.86	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	70.60	Moderate

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

Site Name or ID#:	932CRMK05
Investigator Name:	CR MK
Date of Field Assessment:	15-Aug-25

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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	2.48	Lower	7.64	1.10
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	5.47	Moderate	0.53	Lower	6.17	0.58
Phosphorus Retention (PR)	10.00	Higher	0.75	Lower	10.00	1.02
Nitrate Removal & Retention (NR)	10.00	Higher	1.67	Lower	10.00	1.67
Wildfire Resistance (WFR)	0.74	Lower	0.00	Lower	0.68	0.00
Carbon Stock Preservation (CSP)	8.74	Higher			8.67	
Carbon Capture (CC)	5.51	Moderate			4.75	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	1.96	Lower	3.27	Lower	3.25	3.00
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)	4.67	Moderate	1.38	Lower	4.77	2.92
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.44	Moderate	1.45	Lower	6.44	1.45
Keystone Mammal Habitat (KMH)	4.66	Moderate	7.50	Higher	5.68	2.92
Native Plant Habitat (PH)	-1.89	Lower	2.32	Lower	4.63	3.04
Pollinator Habitat (POL)	9.20	Higher	3.33	Higher	8.73	3.33
Cultural & Recreational Importance (CRI)			0.38	Lower		0.65
Wetland Sensitivity (Sens)			6.51	Moderate		4.65
Wetland Stressors (STR)			2.63	Moderate		2.80
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	2.48	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.28	Higher	1.33	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	1.30	Lower	2.45	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.80	Moderate	0.83	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	6.89	Higher	2.85	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	21.39	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	12.30	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.20	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.31	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	19.65	Low

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

Site Name or ID#:	848CRMK04
Investigator Name:	CR MK
Date of Field Assessment:	15-Aug-25

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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	2.59	Lower	7.64	1.15
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	5.47	Moderate	0.52	Lower	6.17	0.57
Phosphorus Retention (PR)	10.00	Higher	0.74	Lower	10.00	1.01
Nitrate Removal & Retention (NR)	10.00	Higher	1.67	Lower	10.00	1.67
Wildfire Resistance (WFR)	0.38	Lower	0.00	Lower	0.35	0.00
Carbon Stock Preservation (CSP)	6.67	Moderate			7.48	
Carbon Capture (CC)	5.57	Moderate			4.76	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	2.07	Lower	3.52	Lower	3.28	3.15
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)	5.67	Moderate	1.31	Lower	5.41	2.86
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.49	Moderate	1.36	Lower	6.49	1.36
Keystone Mammal Habitat (KMH)	4.66	Moderate	2.50	Lower	5.68	2.08
Native Plant Habitat (PH)	2.31	Lower	2.51	Lower	5.75	3.21
Pollinator Habitat (POL)	9.26	Higher	3.33	Higher	8.78	3.33
Cultural & Recreational Importance (CRI)			0.38	Lower		0.65
Wetland Sensitivity (Sens)			7.47	Higher		4.96
Wetland Stressors (STR)			2.63	Moderate		2.80
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	2.59	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.02	Higher	1.32	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	1.38	Lower	2.64	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.40	Moderate	0.78	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.64	Higher	2.87	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	22.36	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	11.91	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.64	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.67	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.91	Low

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

Site Name or ID#:	1020CRMK06
Investigator Name:	MK
Date of Field Assessment:	Aug 15 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	7.44	Higher	4.56	Moderate	6.81	2.02
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	5.80	Moderate	0.98	Lower	6.44	0.93
Phosphorus Retention (PR)	10.00	Higher	0.98	Lower	10.00	1.24
Nitrate Removal & Retention (NR)	10.00	Higher	2.78	Lower	10.00	2.78
Wildfire Resistance (WFR)	0.39	Lower	0.00	Lower	0.35	0.00
Carbon Stock Preservation (CSP)	7.56	Higher			7.99	
Carbon Capture (CC)	4.52	Moderate			4.46	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	2.82	Lower	3.82	Lower	3.51	3.33
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)	4.21	Moderate	1.56	Lower	4.47	3.06
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.48	Moderate	1.85	Lower	6.48	1.85
Keystone Mammal Habitat (KMH)	3.80	Moderate	7.50	Higher	5.20	2.92
Native Plant Habitat (PH)	0.56	Lower	2.45	Lower	5.29	3.16
Pollinator Habitat (POL)	8.86	Moderate	3.33	Higher	8.40	3.33
Cultural & Recreational Importance (CRI)			1.18	Lower		1.26
Wetland Sensitivity (Sens)			8.10	Higher		5.16
Wetland Stressors (STR)			4.79	Moderate		4.15
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	7.44	Higher	4.56	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.17	Higher	2.18	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	1.88	Lower	2.86	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.52	Moderate	0.93	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.08	Moderate	2.94	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	33.88	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	19.98	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.39	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.36	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	20.81	Low

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

Site Name or ID#:	250820CV01
Investigator Name:	CV
Date of Field Assessment:	2025-08-20

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 3.4: 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)	4.52	Moderate	2.99	Lower	4.75	1.33
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	2.12	Lower	0.68	Lower	3.33	0.70
Phosphorus Retention (PR)	10.00	Higher	0.96	Lower	10.00	1.23
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Wildfire Resistance (WFR)	0.45	Lower	0.00	Lower	0.42	0.00
Carbon Stock Preservation (CSP)	7.25	Higher			7.81	
Carbon Capture (CC)	6.99	Higher			5.18	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	4.26	Moderate	4.16	Moderate	3.93	3.54
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)	6.18	Higher	1.39	Lower	5.74	2.93
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.76	Moderate	1.36	Lower	6.76	1.36
Keystone Mammal Habitat (KMH)	4.86	Moderate	2.50	Lower	5.79	2.08
Native Plant Habitat (PH)	2.66	Lower	2.48	Lower	5.85	3.19
Pollinator Habitat (POL)	8.78	Moderate	3.33	Higher	8.33	3.33
Cultural & Recreational Importance (CRI)			1.15	Lower		1.23
Wetland Sensitivity (Sens)			7.19	Higher		4.87
Wetland Stressors (STR)			2.75	Moderate		2.87
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)	4.52	Moderate	2.99	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	8.67	Higher	1.94	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	2.84	Moderate	3.12	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.71	Higher	0.83	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.42	Moderate	2.86	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	13.50	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	16.83	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	8.86	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	3.08	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.25	Low

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

Site Name or ID#:	250820CV02
Investigator Name:	CV
Date of Field Assessment:	2025-08-20

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 3.4: 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)	4.52	Moderate	3.61	Moderate	4.75	1.60
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	2.12	Lower	0.62	Lower	3.33	0.65
Phosphorus Retention (PR)	10.00	Higher	0.87	Lower	10.00	1.13
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Wildfire Resistance (WFR)	0.70	Lower	0.00	Lower	0.65	0.00
Carbon Stock Preservation (CSP)	9.36	Higher			9.02	
Carbon Capture (CC)	7.05	Higher			5.20	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	4.26	Moderate	5.04	Moderate	3.93	4.08
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)	6.00	Moderate	1.35	Lower	5.63	2.89
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.63	Moderate	1.36	Lower	6.63	1.36
Keystone Mammal Habitat (KMH)	4.86	Moderate	2.50	Lower	5.79	2.08
Native Plant Habitat (PH)	2.45	Lower	2.46	Lower	5.79	3.17
Pollinator Habitat (POL)	8.75	Moderate	3.33	Higher	8.30	3.33
Cultural & Recreational Importance (CRI)			1.45	Lower		1.45
Wetland Sensitivity (Sens)			7.53	Higher		4.98
Wetland Stressors (STR)			2.83	Moderate		2.92
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)	4.52	Moderate	3.61	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	8.94	Higher	1.91	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	2.84	Moderate	3.78	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.60	Moderate	0.81	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.35	Moderate	2.86	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	16.30	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	17.10	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	10.73	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.92	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.00	Low

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

Site Name or ID#:	250820CV03
Investigator Name:	CV
Date of Field Assessment:	2025-08-20

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 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	0.81	Lower	3.27	Moderate	2.14	1.45
Stream Flow & Temperature Support (SFTS)	8.77	Higher	2.75	Moderate	6.44	1.80
Sediment & Toxicant Retention & Stabilisation (SR)	2.23	Lower	1.30	Lower	3.43	1.18
Phosphorus Retention (PR)	3.98	Moderate	0.63	Lower	6.10	0.91
Nitrate Removal & Retention (NR)	2.53	Moderate	1.67	Lower	4.68	1.67
Wildfire Resistance (WFR)	2.55	Lower	0.00	Lower	2.33	0.00
Carbon Stock Preservation (CSP)	5.69	Moderate			6.91	
Carbon Capture (CC)	7.38	Higher			5.29	
Organic Nutrient Export (OE)	8.20	Higher			4.46	
Aquatic Primary Productivity (APP)	5.49	Moderate	6.79	Moderate	4.29	5.14
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	6.90	Higher	5.77	Higher	5.31	2.52
Amphibian Habitat (AM)	7.11	Higher	2.26	Lower	6.34	3.64
Waterbird Feeding Habitat (WBF)	3.70	Moderate	6.67	Higher	2.61	6.67
Waterbird Nesting Habitat (WBN)	6.04	Moderate	6.67	Higher	4.24	6.67
Raptor & Wetland Songbird Habitat (RSB)	8.39	Moderate	1.03	Lower	8.39	1.03
Keystone Mammal Habitat (KMH)	4.96	Moderate	0.00	Lower	5.85	1.67
Native Plant Habitat (PH)	5.76	Moderate	2.64	Lower	6.68	3.33
Pollinator Habitat (POL)	9.57	Higher	3.33	Higher	9.07	3.33
Cultural & Recreational Importance (CRI)			0.81	Lower		0.97
Wetland Sensitivity (Sens)			4.49	Moderate		3.99
Wetland Stressors (STR)			3.13	Moderate		3.10
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	0.81	Lower	3.27	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	4.65	Moderate	1.43	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	8.13	Higher	5.78	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	5.93	Higher	5.47	Higher		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.74	Higher	2.83	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	2.65	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	6.66	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	46.97	Moderate
HABITAT SUPERGROUP - AQUATIC HABITAT	32.43	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	24.76	Low

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

Site Name or ID#:	250820CV04
Investigator Name:	CV
Date of Field Assessment:	2025-08-20

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 3.4: 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	3.24	Moderate	5.31	1.44
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	3.83	Moderate	0.45	Lower	4.78	0.52
Phosphorus Retention (PR)	10.00	Higher	0.64	Lower	10.00	0.91
Nitrate Removal & Retention (NR)	10.00	Higher	1.67	Lower	10.00	1.67
Wildfire Resistance (WFR)	0.45	Lower	0.00	Lower	0.42	0.00
Carbon Stock Preservation (CSP)	9.41	Higher			9.05	
Carbon Capture (CC)	4.85	Moderate			4.56	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	4.40	Moderate	4.57	Moderate	3.97	3.79
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)	6.24	Higher	1.14	Lower	5.78	2.72
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)	7.05	Moderate	1.12	Lower	7.05	1.12
Keystone Mammal Habitat (KMH)	3.35	Moderate	2.50	Lower	4.95	2.08
Native Plant Habitat (PH)	5.62	Moderate	2.21	Lower	6.64	2.94
Pollinator Habitat (POL)	9.05	Moderate	3.33	Higher	8.58	3.33
Cultural & Recreational Importance (CRI)			0.75	Lower		0.93
Wetland Sensitivity (Sens)			7.15	Higher		4.85
Wetland Stressors (STR)			2.79	Moderate		2.90
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	3.24	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.15	Higher	1.29	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	2.93	Moderate	3.43	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.75	Higher	0.68	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.14	Moderate	2.78	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	17.21	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	11.83	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	10.06	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	2.56	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	22.62	Low

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

Site Name or ID#:	250820CV05
Investigator Name:	CV
Date of Field Assessment:	2025-08-20

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 3.4: 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)	4.52	Moderate	3.89	Moderate	4.75	1.73
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	2.12	Lower	0.59	Lower	3.33	0.62
Phosphorus Retention (PR)	10.00	Higher	0.82	Lower	10.00	1.09
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Wildfire Resistance (WFR)	0.70	Lower	0.00	Lower	0.65	0.00
Carbon Stock Preservation (CSP)	9.36	Higher			9.02	
Carbon Capture (CC)	7.17	Higher			5.23	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	4.73	Moderate	5.47	Moderate	4.07	4.34
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)	6.00	Moderate	2.43	Lower	5.63	3.78
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.84	Moderate	3.03	Lower	6.84	3.03
Keystone Mammal Habitat (KMH)	4.93	Moderate	2.50	Lower	5.83	2.08
Native Plant Habitat (PH)	3.63	Moderate	4.36	Moderate	6.11	4.89
Pollinator Habitat (POL)	9.00	Moderate	3.33	Higher	8.53	3.33
Cultural & Recreational Importance (CRI)			0.82	Lower		0.98
Wetland Sensitivity (Sens)			8.19	Higher		5.19
Wetland Stressors (STR)			2.83	Moderate		2.92
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)	4.52	Moderate	3.89	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	8.94	Higher	1.90	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	3.15	Moderate	4.11	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.60	Moderate	1.46	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.75	Moderate	3.97	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	17.58	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	16.99	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	12.95	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	5.25	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	30.73	Low

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

Site Name or ID#:	1046RCOF02
Investigator Name:	Rex Carter
Date of Field Assessment:	Aug. 12, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	6.54	Higher	7.92	2.90
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.38	Lower	8.89	0.47
Phosphorus Retention (PR)	10.00	Higher	0.42	Lower	10.00	0.70
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.35	Higher			7.87	
Carbon Capture (CC)	3.61	Lower			4.19	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.87	Lower	4.54	Moderate	2.42	3.77
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)	5.93	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	4.80	Moderate	6.61	4.80
Keystone Mammal Habitat (KMH)	7.80	Higher	10.00	Higher	7.43	3.33
Native Plant Habitat (PH)	3.51	Moderate	5.62	Moderate	6.08	6.03
Pollinator Habitat (POL)	9.23	Higher	6.67	Higher	8.75	6.67
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			7.07	Higher		4.83
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	6.54	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.50	Higher	0.34	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.14	Lower	3.40	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.56	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	6.18	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	58.97	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	3.28	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.49	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.40	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	48.45	Low

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

Assessment Area (AA) Results:

Wetland ID: WL85

Date: 2024-10-31

Observer: Emma Halupka

Latitude & Longitude (decimal degrees): 45.22027104, -61.6006312

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	2.53	Lower	2.09	Lower	3.84	0.93
Stream Flow Support (SFS)	2.55	Moderate	4.02	Moderate	2.06	2.68
Water Cooling (WC)	5.25	Moderate	0.96	Lower	3.50	0.52
Sediment Retention & Stabilisation (SR)	2.03	Lower	1.59	Moderate	3.78	0.78
Phosphorus Retention (PR)	1.41	Lower	1.29	Moderate	4.63	1.00
Nitrate Removal & Retention (NR)	2.91	Moderate	3.33	Lower	4.88	3.33
Carbon Sequestration (CS)	3.02	Lower			6.62	
Organic Nutrient Export (OE)	8.06	Higher			5.27	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	3.59	Moderate	4.29	Moderate	4.96	3.55
Amphibian & Turtle Habitat (AM)	5.21	Moderate	4.58	Moderate	5.85	5.54
Waterbird Feeding Habitat (WBF)	4.79	Moderate	5.00	Moderate	3.65	5.00
Waterbird Nesting Habitat (WBN)	5.32	Moderate	5.00	Higher	3.86	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.14	Higher	5.00	Moderate	7.96	5.00
Pollinator Habitat (POL)	8.44	Higher	0.00	Lower	7.00	0.00
Native Plant Habitat (PH)	3.76	Moderate	4.99	Lower	5.40	4.99
Public Use & Recognition (PU)			0.35	Lower		0.54
Wetland Sensitivity (Sens)			4.91	Moderate		3.57
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.27	Moderate		2.24
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.53	Lower	2.09	Lower	3.84	0.93
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.68	Moderate	2.70	Lower	5.80	2.52
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.46	Higher	3.69	Lower	4.60	2.90
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.19	Moderate	3.96	Moderate	4.26	4.32
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.13	Higher	4.16	Lower	7.37	4.16
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			4.59	Moderate		2.90

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	5.289462554	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.238271152	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	23.81099064	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	16.5838429	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	33.85608207	Low

Habitat Rule Satisfied?	NO
Support Rule Satisfied?	NO
Habitat/Support Hybrid Rule Satisfied?	NO
CONCLUSION:	**Site is not a WSS**

Site Name or ID#:	125RCOW03
Investigator Name:	RC
Date of Field Assessment:	08/11/2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	6.54	Higher	7.92	2.90
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.03	Higher	0.38	Lower	8.33	0.47
Phosphorus Retention (PR)	10.00	Higher	0.42	Lower	10.00	0.70
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.23	Lower	0.00	Lower	0.21	0.00
Carbon Stock Preservation (CSP)	7.41	Higher			7.90	
Carbon Capture (CC)	3.65	Lower			4.20	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.78	Lower	4.58	Moderate	2.44	3.80
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)	6.32	Higher	4.44	Moderate	5.83	5.43
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.73	Moderate	4.80	Moderate	6.73	4.80
Keystone Mammal Habitat (KMH)	7.90	Higher	10.00	Higher	7.49	3.33
Native Plant Habitat (PH)	3.66	Moderate	5.64	Moderate	6.12	6.05
Pollinator Habitat (POL)	9.23	Higher	6.67	Higher	8.75	6.67
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			7.53	Higher		4.98
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	6.54	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.43	Higher	0.34	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.13	Lower	3.44	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.79	Higher	2.66	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.88	Higher	6.18	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	58.97	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	3.25	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.45	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	10.10	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	48.76	Low

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

Site Name or ID#:	932CRMK05
Investigator Name:	CR
Date of Field Assessment:	Aug. 17, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	6.54	Higher	7.92	2.90
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.38	Lower	8.89	0.47
Phosphorus Retention (PR)	10.00	Higher	0.42	Lower	10.00	0.70
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.41	Higher			7.90	
Carbon Capture (CC)	3.67	Lower			4.21	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.78	Lower	4.54	Moderate	2.44	3.77
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)	5.93	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	4.80	Moderate	6.61	4.80
Keystone Mammal Habitat (KMH)	7.90	Higher	10.00	Higher	7.49	3.33
Native Plant Habitat (PH)	3.51	Moderate	5.62	Moderate	6.08	6.03
Pollinator Habitat (POL)	9.23	Higher	6.67	Higher	8.75	6.67
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			6.92	Higher		4.78
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	6.54	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.51	Higher	0.34	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.13	Lower	3.40	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.56	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	6.18	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	58.97	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	3.28	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.44	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.40	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	48.45	Low

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

Site Name or ID#:	1152RCOF03
Investigator Name:	RC
Date of Field Assessment:	Aug 12 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	6.54	Higher	7.92	2.90
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.38	Lower	8.89	0.47
Phosphorus Retention (PR)	10.00	Higher	0.42	Lower	10.00	0.70
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.41	Higher			7.90	
Carbon Capture (CC)	3.67	Lower			4.21	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.78	Lower	4.54	Moderate	2.44	3.77
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)	5.93	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	3.13	Lower	6.61	3.13
Keystone Mammal Habitat (KMH)	7.90	Higher	10.00	Higher	7.49	3.33
Native Plant Habitat (PH)	3.51	Moderate	3.78	Moderate	6.08	4.37
Pollinator Habitat (POL)	9.23	Higher	3.33	Higher	8.75	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			7.07	Higher		4.83
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	6.54	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.51	Higher	0.34	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.13	Lower	3.40	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.56	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	3.60	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	58.97	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	3.28	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.44	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.40	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.22	Low

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

Site Name or ID#:	1011RCOF01
Investigator Name:	RC
Date of Field Assessment:	Aug 11 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	6.54	Higher	7.92	2.90
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.38	Lower	8.89	0.47
Phosphorus Retention (PR)	10.00	Higher	0.42	Lower	10.00	0.70
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.00	Higher			7.66	
Carbon Capture (CC)	3.56	Lower			4.18	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.95	Lower	4.54	Moderate	2.39	3.77
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)	5.93	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	3.13	Lower	6.61	3.13
Keystone Mammal Habitat (KMH)	7.69	Higher	10.00	Higher	7.37	3.33
Native Plant Habitat (PH)	3.60	Moderate	3.78	Moderate	6.10	4.37
Pollinator Habitat (POL)	9.23	Higher	3.33	Higher	8.75	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			9.50	Higher		5.62
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	6.54	Higher		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.46	Higher	0.34	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.16	Lower	3.40	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.56	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.85	Higher	3.60	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	58.97	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	3.26	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.54	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.40	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.28	Low

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

Site Name or ID#:	1112RCOF02
Investigator Name:	RC
Date of Field Assessment:	Aug 11 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	2.48	Lower	7.92	1.10
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.90	Lower	8.89	0.87
Phosphorus Retention (PR)	10.00	Higher	1.04	Lower	10.00	1.30
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.35	Higher			7.87	
Carbon Capture (CC)	3.86	Lower			4.27	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.87	Lower	1.58	Lower	2.42	1.97
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)	5.93	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	3.13	Lower	6.61	3.13
Keystone Mammal Habitat (KMH)	7.80	Higher	10.00	Higher	7.43	3.33
Native Plant Habitat (PH)	3.51	Moderate	3.78	Moderate	6.08	4.37
Pollinator Habitat (POL)	9.23	Higher	3.33	Higher	8.75	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			6.90	Higher		4.77
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	2.48	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.50	Higher	0.84	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.14	Lower	1.18	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.56	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	3.60	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	22.37	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	8.01	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.17	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.40	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.22	Low

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

Site Name or ID#:	735OMRC1
Investigator Name:	RC
Date of Field Assessment:	Aug. 15, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	2.48	Lower	7.92	1.10
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.90	Lower	8.89	0.87
Phosphorus Retention (PR)	10.00	Higher	1.04	Lower	10.00	1.30
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.41	Higher			7.90	
Carbon Capture (CC)	3.91	Lower			4.28	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.78	Lower	1.58	Lower	2.44	1.97
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)	5.93	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	3.13	Lower	6.61	3.13
Keystone Mammal Habitat (KMH)	7.90	Higher	10.00	Higher	7.49	3.33
Native Plant Habitat (PH)	3.51	Moderate	3.78	Moderate	6.08	4.37
Pollinator Habitat (POL)	9.23	Higher	3.33	Higher	8.75	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			6.75	Higher		4.72
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	2.48	Lower		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.51	Higher	0.84	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.13	Lower	1.18	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.56	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	3.60	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	22.37	Low
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	8.01	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.15	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.40	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.22	Low

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

Site Name or ID#:	141OMRC7
Investigator Name:	
Date of Field Assessment:	08/7/2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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	4.68	Moderate	7.36	2.08
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	7.37	Higher	0.09	Lower	7.78	0.24
Phosphorus Retention (PR)	10.00	Higher	0.13	Lower	10.00	0.42
Nitrate Removal & Retention (NR)	10.00	Higher	0.83	Lower	10.00	0.83
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.02	Higher			7.68	
Carbon Capture (CC)	4.76	Moderate			4.53	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	0.93	Lower	6.39	Moderate	2.95	4.90
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident & Other Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Amphibian Habitat (AM)	3.52	Moderate	1.38	Lower	4.02	2.92
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.44	Moderate	1.45	Lower	6.44	1.45
Keystone Mammal Habitat (KMH)	5.56	Higher	7.50	Higher	6.18	2.92
Native Plant Habitat (PH)	2.88	Lower	2.31	Lower	5.91	3.03
Pollinator Habitat (POL)	9.11	Moderate	3.33	Higher	8.64	3.33
Cultural & Recreational Importance (CRI)			0.18	Lower		0.50
Wetland Sensitivity (Sens)			6.86	Higher		4.76
Wetland Stressors (STR)			2.59	Moderate		2.77
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	4.68	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.30	Higher	0.59	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	0.62	Lower	4.79	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.11	Moderate	0.83	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.63	Moderate	2.85	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	38.50	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	5.52	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	2.97	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.74	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.73	Low

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

Site Name or ID#:	1126OMRC6
Investigator Name:	OM
Date of Field Assessment:	Aug 7 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	7.44	Higher	4.51	Moderate	6.81	2.00
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	6.06	Moderate	0.32	Lower	6.67	0.41
Phosphorus Retention (PR)	10.00	Higher	0.44	Lower	10.00	0.72
Nitrate Removal & Retention (NR)	10.00	Higher	1.67	Lower	10.00	1.67
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.02	Higher			7.68	
Carbon Capture (CC)	6.02	Moderate			4.90	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	2.60	Lower	6.15	Moderate	3.44	4.75
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)	3.52	Moderate	1.38	Lower	4.02	2.92
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.47	Moderate	1.45	Lower	6.47	1.45
Keystone Mammal Habitat (KMH)	5.63	Higher	7.50	Higher	6.22	2.92
Native Plant Habitat (PH)	2.91	Lower	2.31	Lower	5.92	3.03
Pollinator Habitat (POL)	9.11	Moderate	3.33	Higher	8.64	3.33
Cultural & Recreational Importance (CRI)			0.46	Lower		0.71
Wetland Sensitivity (Sens)			6.32	Moderate		4.59
Wetland Stressors (STR)			2.59	Moderate		2.77
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	7.44	Higher	4.51	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.13	Higher	1.24	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	1.73	Lower	4.61	Moderate		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	2.11	Moderate	0.83	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.64	Moderate	2.85	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	33.55	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	11.31	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	7.99	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.75	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.76	Low

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

Site Name or ID#:	1051OMRC5
Investigator Name:	OM
Date of Field Assessment:	Aug 7th 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	5.30	Moderate	7.92	2.35
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.54	Lower	8.89	0.59
Phosphorus Retention (PR)	10.00	Higher	0.61	Lower	10.00	0.88
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.41	Higher			7.90	
Carbon Capture (CC)	3.69	Lower			4.22	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.86	Lower	3.63	Lower	2.42	3.22
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)	5.92	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	3.13	Lower	6.61	3.13
Keystone Mammal Habitat (KMH)	7.90	Higher	10.00	Higher	7.48	3.33
Native Plant Habitat (PH)	3.51	Moderate	3.78	Moderate	6.08	4.37
Pollinator Habitat (POL)	9.23	Higher	3.33	Higher	8.75	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			7.00	Higher		4.81
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	5.30	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.51	Higher	0.50	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.14	Lower	2.73	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.55	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	3.60	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	47.78	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	4.73	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.39	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.39	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.22	Low

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

Site Name or ID#:	958OMRC4
Investigator Name:	OM
Date of Field Assessment:	Aug. 7, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	5.30	Moderate	7.92	2.35
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.54	Lower	8.89	0.59
Phosphorus Retention (PR)	10.00	Higher	0.61	Lower	10.00	0.88
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.41	Higher			7.90	
Carbon Capture (CC)	3.69	Lower			4.22	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.86	Lower	3.63	Lower	2.42	3.22
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)	5.92	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	3.13	Lower	6.61	3.13
Keystone Mammal Habitat (KMH)	7.90	Higher	10.00	Higher	7.48	3.33
Native Plant Habitat (PH)	3.51	Moderate	3.78	Moderate	6.08	4.37
Pollinator Habitat (POL)	9.23	Higher	3.33	Higher	8.75	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			7.00	Higher		4.81
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	5.30	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.51	Higher	0.50	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.14	Lower	2.73	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.55	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	3.60	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	47.78	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	4.73	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.39	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.39	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.22	Low

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

Site Name or ID#:	851OMRC3
Investigator Name:	Oliver Milloy
Date of Field Assessment:	Aug. 7, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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)	10.20	Higher	5.30	Moderate	8.75	2.35
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.54	Lower	8.89	0.59
Phosphorus Retention (PR)	10.00	Higher	0.61	Lower	10.00	0.88
Nitrate Removal & Retention (NR)	10.00	Higher	0.50	Lower	10.00	0.50
Wildfire Resistance (WFR)	0.59	Lower	0.00	Lower	0.54	0.00
Carbon Stock Preservation (CSP)	9.55	Higher			9.13	
Carbon Capture (CC)	3.13	Lower			4.05	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.12	Lower	3.75	Lower	2.64	3.29
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)	6.85	Higher	4.53	Moderate	6.18	5.50
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)	7.01	Moderate	3.13	Lower	7.01	3.13
Keystone Mammal Habitat (KMH)	5.09	Moderate	10.00	Higher	5.92	3.33
Native Plant Habitat (PH)	4.41	Moderate	3.88	Moderate	6.32	4.45
Pollinator Habitat (POL)	9.53	Higher	3.33	Higher	9.03	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			9.04	Higher		5.47
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	10.20	Higher	5.30	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.78	Higher	0.58	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.02	Lower	2.81	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.11	Higher	2.72	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.25	Higher	3.66	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	54.06	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	5.67	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.06	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.16	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	30.25	Low

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

Site Name or ID#:	825OMRC2
Investigator Name:	OM
Date of Field Assessment:	Aug. 7, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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)	10.20	Higher	5.30	Moderate	8.75	2.35
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.54	Lower	8.89	0.59
Phosphorus Retention (PR)	10.00	Higher	0.61	Lower	10.00	0.88
Nitrate Removal & Retention (NR)	10.00	Higher	0.50	Lower	10.00	0.50
Wildfire Resistance (WFR)	0.59	Lower	0.00	Lower	0.54	0.00
Carbon Stock Preservation (CSP)	7.68	Higher			8.06	
Carbon Capture (CC)	3.13	Lower			4.05	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.12	Lower	3.76	Lower	2.64	3.30
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)	6.81	Higher	4.56	Moderate	6.15	5.53
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)	7.12	Moderate	3.13	Lower	7.12	3.13
Keystone Mammal Habitat (KMH)	5.09	Moderate	10.00	Higher	5.92	3.33
Native Plant Habitat (PH)	4.56	Moderate	3.89	Moderate	6.36	4.46
Pollinator Habitat (POL)	9.49	Higher	3.33	Higher	9.00	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			9.30	Higher		5.55
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	10.20	Higher	5.30	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.55	Higher	0.58	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.02	Lower	2.82	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.09	Higher	2.73	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.28	Higher	3.67	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	54.06	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	5.54	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.06	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.18	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	30.39	Low

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

Site Name or ID#:	753OMRC1
Investigator Name:	OM
Date of Field Assessment:	Aug. 7, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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)	10.20	Higher	5.30	Moderate	8.75	2.35
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.54	Lower	8.89	0.59
Phosphorus Retention (PR)	10.00	Higher	0.61	Lower	10.00	0.88
Nitrate Removal & Retention (NR)	10.00	Higher	0.50	Lower	10.00	0.50
Wildfire Resistance (WFR)	0.59	Lower	0.00	Lower	0.54	0.00
Carbon Stock Preservation (CSP)	7.68	Higher			8.06	
Carbon Capture (CC)	3.13	Lower			4.05	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.12	Lower	3.76	Lower	2.64	3.30
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)	6.81	Higher	4.55	Moderate	6.15	5.53
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)	7.10	Moderate	3.13	Lower	7.10	3.13
Keystone Mammal Habitat (KMH)	5.09	Moderate	10.00	Higher	5.92	3.33
Native Plant Habitat (PH)	4.56	Moderate	3.89	Moderate	6.36	4.46
Pollinator Habitat (POL)	9.49	Higher	3.33	Higher	9.00	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			9.30	Higher		5.55
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	10.20	Higher	5.30	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.55	Higher	0.58	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.02	Lower	2.82	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.09	Higher	2.73	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.27	Higher	3.67	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	54.06	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	5.54	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.06	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.16	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	30.36	Low

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

Site Name or ID#:	311OMCR4
Investigator Name:	Rex Carter
Date of Field Assessment:	Aug. 7, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	5.19	Moderate	7.92	2.30
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.56	Lower	8.89	0.60
Phosphorus Retention (PR)	10.00	Higher	0.63	Lower	10.00	0.90
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.58	Higher			8.00	
Carbon Capture (CC)	3.70	Lower			4.22	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.86	Lower	3.55	Lower	2.42	3.17
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)	5.92	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	3.13	Lower	6.61	3.13
Keystone Mammal Habitat (KMH)	7.90	Higher	10.00	Higher	7.48	3.33
Native Plant Habitat (PH)	3.51	Moderate	3.78	Moderate	6.08	4.37
Pollinator Habitat (POL)	9.23	Higher	3.33	Higher	8.75	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			6.99	Higher		4.80
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	5.19	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.53	Higher	0.51	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.14	Lower	2.66	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.55	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	3.60	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	46.77	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	4.87	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.38	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.39	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.22	Low

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

Site Name or ID#:	204OMCR3
Investigator Name:	Oliver Milloy
Date of Field Assessment:	Aug. 7, 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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)	10.20	Higher	5.41	Moderate	8.75	2.40
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.53	Lower	8.89	0.58
Phosphorus Retention (PR)	10.00	Higher	0.59	Lower	10.00	0.87
Nitrate Removal & Retention (NR)	10.00	Higher	0.50	Lower	10.00	0.50
Wildfire Resistance (WFR)	0.59	Lower	0.00	Lower	0.54	0.00
Carbon Stock Preservation (CSP)	7.96	Higher			8.22	
Carbon Capture (CC)	3.91	Lower			4.28	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	0.18	Lower	3.85	Lower	2.73	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)	6.85	Higher	4.56	Moderate	6.18	5.53
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)	7.11	Moderate	3.13	Lower	7.11	3.13
Keystone Mammal Habitat (KMH)	4.80	Moderate	10.00	Higher	5.76	3.33
Native Plant Habitat (PH)	4.71	Moderate	3.89	Moderate	6.40	4.47
Pollinator Habitat (POL)	9.53	Higher	3.33	Higher	9.03	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			8.95	Higher		5.44
Wetland Stressors (STR)			0.33	Lower		1.35
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)	10.20	Higher	5.41	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.58	Higher	0.57	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	0.12	Lower	2.88	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	4.11	Higher	2.73	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.32	Higher	3.67	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	55.21	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	5.43	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	0.34	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	11.24	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	30.57	Low

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

Site Name or ID#:	1204OMRC1
Investigator Name:	RC
Date of Field Assessment:	Aug 5 2025

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: Results for this Assessment Area (AA):

Specific Functions or Values:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Surface Water Storage (WS)	9.01	Higher	5.19	Moderate	7.92	2.30
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	8.69	Higher	0.56	Lower	8.89	0.60
Phosphorus Retention (PR)	10.00	Higher	0.63	Lower	10.00	0.90
Nitrate Removal & Retention (NR)	10.00	Higher	0.00	Lower	10.00	0.00
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.41	Higher			7.90	
Carbon Capture (CC)	3.70	Lower			4.22	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	-0.86	Lower	3.55	Lower	2.42	3.17
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)	5.92	Moderate	4.40	Moderate	5.58	5.40
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.61	Moderate	3.13	Lower	6.61	3.13
Keystone Mammal Habitat (KMH)	7.90	Higher	10.00	Higher	7.48	3.33
Native Plant Habitat (PH)	3.51	Moderate	3.78	Moderate	6.08	4.37
Pollinator Habitat (POL)	9.23	Higher	3.33	Higher	8.75	3.33
Cultural & Recreational Importance (CRI)			0.55	Lower		0.78
Wetland Sensitivity (Sens)			6.99	Higher		4.80
Wetland Stressors (STR)			-0.33	Lower		0.94
Grouped Functions. NOTE: When calculated from the above, the scores for the following groups did not include scores for Wildfire Resistance (WFR), Carbon Capture (CC), Keystone Mammal Habitat (KMH), Cultural & Recreational Importance (CRI), Wetland Sensitivity, or Stressors.						
HYDROLOGIC (HYg) (WS)	9.01	Higher	5.19	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.51	Higher	0.51	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	-0.14	Lower	2.66	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.55	Moderate	2.64	Moderate		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	7.84	Higher	3.60	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	46.77	High
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	4.86	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	-0.38	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.39	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	28.22	Low

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

Site Name or ID#:	1234OMRC2
Investigator Name:	OMRC
Date of Field Assessment:	05-Aug-25

Scores will appear below after data are entered in worksheets OF, F, and S. See How It Works worksheet (scroll tabs at bottom to the farthest right) to understand how scores were computed and ratings assigned.

WESP-AC Non-tidal version 3.4: 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	3.89	Moderate	7.36	1.73
Stream Flow & Temperature Support (SFTS)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment & Toxicant Retention & Stabilisation (SR)	7.37	Higher	0.79	Lower	7.78	0.78
Phosphorus Retention (PR)	10.00	Higher	1.11	Lower	10.00	1.37
Nitrate Removal & Retention (NR)	10.00	Higher	2.08	Lower	10.00	2.08
Wildfire Resistance (WFR)	0.11	Lower	0.00	Lower	0.10	0.00
Carbon Stock Preservation (CSP)	7.26	Higher			7.81	
Carbon Capture (CC)	5.80	Moderate			4.83	
Organic Nutrient Export (OE)	0.00	Lower			0.00	
Aquatic Primary Productivity (APP)	1.92	Lower	1.34	Lower	3.24	1.82
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)	5.73	Moderate	0.29	Lower	5.45	2.02
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Raptor & Wetland Songbird Habitat (RSB)	6.75	Moderate	0.56	Lower	6.75	0.56
Keystone Mammal Habitat (KMH)	6.62	Higher	0.00	Lower	6.77	1.67
Native Plant Habitat (PH)	7.60	Higher	1.95	Lower	7.17	2.71
Pollinator Habitat (POL)	8.67	Moderate	3.33	Higher	8.22	3.33
Cultural & Recreational Importance (CRI)			0.83	Lower		0.99
Wetland Sensitivity (Sens)			3.72	Lower		3.74
Wetland Stressors (STR)			2.59	Moderate		2.77
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	3.89	Moderate		
WATER & CLIMATE PROTECTION (WQg) (max + average)/2 of SR, PR, NR, CSP	9.33	Higher	1.71	Lower		
AQUATIC SUPPORT (ASg) (max + average)/2 of SFTS, OE, APP	1.28	Lower	1.00	Lower		
AQUATIC HABITAT (AHg) (max+avg)/2 of FA, FR, AM, WBF, WBN	3.44	Moderate	0.17	Lower		
TRANSITION HABITAT (THg) (max + avg)/2 of RSB, PH, POL	8.17	Higher	2.64	Higher		
In NS, is the wetland a WSS (Wetland of Special Significance) based on the WESP-AC's WSS Interpretive Tool?	**NO**					

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	32.01	Moderate
SUPPORT SUPERGROUP - WATER & CLIMATE PROTECTION	15.91	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	1.28	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.59	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.58	Low

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

APPENDIX K
TERRESTRIAL VEGETATION COMMUNITIES PHOTO LOG AND FLORA INVENTORY

Photo 1: Representative photo of HP1,

Photo 2: Representative photo of HP2.

Photo 3: Representative photo of HP3.

Photo 4: Representative photo of HP4.

Photo 5: Representative photo of HP5.

Photo 6: Representative photo of HP6.

Photo 7: Representative photo of HP7.

Photo 8: Representative photo of HP8.

Photo 9: Representative photo of HP9.

Photo 10: Representative photo of HP10.

Photo 11: Representative photo of HP11.

Photo 12: Representative photo of HP12.

Photo 13: Representative photo of HP13.

Photo 14: Representative photo of HP14.

Photo 15: Representative photo of HP15.

Photo 16: Representative photo of HP16.

Photo 17: Representative photo of HP17.

Photo 18: Representative photo of HP18.

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Plants (Vascular)					
Abies balsamea	Balsam fir	-	-	-	S5
Acer rubrum	Red maple	-	-	-	S5
Acer spicatum	Mountain maple	-	-	-	S5
Achillea millefolium	Common yarrow	-	-	-	SNA
Agalinis neoscotica	Nova Scotia agalinis	-	-	-	S4S5
Agrostis capillaris	Colonial bent grass	-	-	-	SNA
Alnus alnobetula	Green alder	-	-	-	S5
Alnus incana	Speckled alder	-	-	-	S5
Amauropelta noveboracensis	New York fern	-	-	-	S5
Anaphalis margaritacea	Pearly everlasting	-	-	-	S5
Andromeda polifolia	Bog rosemary	-	-	-	S5
Aralia hispidus	Bristly sarsaparilla	-	-	-	S5
Aralia nudicaulis	Wild sarsaparilla	-	-	-	S5
Arethusa bulbosa	Arethusa	-	-	-	S4
Aronia melanocarpa	Black chokecherry	-	-	-	S5
Athyrium filix-femina	Common lady fern	-	-	-	S5
Betula alleghaniensis	Yellow birch	-	-	-	S5
Betula papyrifera	Paper birch	-	-	-	S5
Betula populifolia	Gray birch	-	-	-	S5
Calamagrostis canadensis	Bluejoint reed grass	-	-	-	S5
Calopogon tuberosus	Tuberous grass pink	-	-	-	S4S5
Carex bullata	Button sedge	-	-	-	S4
Carex crinita	Fringed sedge	-	-	-	S5
Carex disperma	Two-seeded sedge	-	-	-	S5
Carex echinata	Star sedge	-	-	-	S5
Carex exilis	Coastal sedge	-	-	-	S4
Carex flava	Yellow sedge	-	-	-	S5
Carex folliculata	Northern long sedge	-	-	-	S5
Carex intumescens	Bladder sedge	-	-	-	S5
Carex leptalea	Bristly-stalked Sedge	-	-	-	S5
Carex lurida	Sallow sedge	-	-	-	S5
Carex magellanica	Boreal bog sedge	-	-	-	S5
Carex nigra	Black sedge	-	-	-	S5
Carex oligosperma	Few-seeded sedge	-	-	-	S5
Carex scoparia	Broom sedge	-	-	-	S5
Carex stricta	Tussock sedge	-	-	-	S5
Carex trisperma	Three-seeded sedge	-	-	-	S5
Carex wiegandii	Wiegand's sedge	-	-	-	S4
Centaurea nigra	Black knapweed	-	-	-	SNA

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Chamaedaphne calyculata	Leatherleaf	-	-	-	S5
Chamaenerion angustifolium	Fireweed	-	-	-	S5
Chelone glabra	White turtlehead	-	-	-	S5
Cirsium arvense	Canada thistle	-	-	-	SNA
Coptis trifolia	Goldthread	-	-	-	S5
Cornus canadensis	Bunchberry	-	-	-	S5
Cypripedium acaule	Pink lady's-slipper	-	-	-	S5
Daucus carota	Queen Anne's lace	-	-	-	SNA
Dennstaedtia punctilobula	Hay-scented fern	-	-	-	S5
Diervilla lonicera	Northern bush honeysuckle	-	-	-	S5
Doellingeria umbellata	Hairy flat-top white aster	-	-	-	S5
Drosera intermedia	Spoon-leaved sundew	-	-	-	S5
Drosera rotundifolia	Round-leaved sundew	-	-	-	S5
Dryopteris campyloptera	Mountain wood fern	-	-	-	S5
Dryopteris carthusiana	Spinulose wood fern	-	-	-	S5
Dryopteris cristata	Crested wood fern	-	-	-	S5
Dryopteris intermedia	Evergreen wood fern	-	-	-	S5
Dulichium arundinaceum	Threeway sedge	-	-	-	S5
Eleocharis acicularis	Needle spikerush	-	-	-	S5
Eleocharis obtusa	Blunt spikerush	-	-	-	S5
Epigaea repens	Trailing arbutus	-	-	-	S5
Equisetum arvense	Field horsetail	-	-	-	S5
Equisetum fluviatile	Water horsetail	-	-	-	S5
Equisetum sylvaticum	Woodland horsetail	-	-	-	S5
Equisetum variegatum	Variegated horsetail	-	-	-	S4
Eriophorum angustifolium	Narrow-leaved cottongrass	-	-	-	S5
Eriophorum virginicum	Tawny cottongrass	-	-	-	S5
Eupatorium perfoliatum	Common boneset	-	-	-	S5
Euphrasia nemorosa	Common eyebright	-	-	-	SNA
Eurybia macrophylla	Large-leaved aster	-	-	-	S5
Euthamia graminifolia	Grass-leaved goldenrod	-	-	-	S5
Fragaria virginiana	Wild strawberry	-	-	-	S5
Galium palustre	Common marsh bedstraw	-	-	-	S5
Gaultheria hispidula	Creeping snowberry	-	-	-	S5
Gaultheria procumbens	Eastern teaberry	-	-	-	S5
Gaylussacia baccata	Black huckleberry	-	-	-	S5
Gaylussacia bigeloviana	Dwarf huckleberry	-	-	-	S5
Geocaulon lividum	Northern comandra	-	-	-	S3S4
Glyceria canadensis	Canada manna grass	-	-	-	S5
Glyceria grandis	Common tall manna grass	-	-	-	S5

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Glyceria striata	Fowl manna grass	-	-	-	S5
Hippuris vulgaris	Common mares tail	-	-	-	S4
Hypericum canadense	Canada St. John's wort	-	-	-	S5
Hypericum fraseri	Fraser's St. John's-wort	-	-	-	S5
Hypericum perforatum	Common St. John's-wort	-	-	-	SNA
Hypopitys monotropa	Pinesap	-	-	-	S4
Ilex mucronata	Mountain holly	-	-	-	S5
Ilex verticillata	Common winterberry	-	-	-	S5
Impatiens capensis	Spotted jewelweed	-	-	-	S5
Iris versicolor	Harlequin blue flag	-	-	-	S5
Juncus articulatus	Jointed rush	-	-	-	S5
Juncus canadensis	Canada rush	-	-	-	S5
Juncus effusus	Soft rush	-	-	-	S5
Juniperus communis	Common juniper	-	-	-	S5
Juniperus communis var. megistocarpa	Dwarf juniper	-	-	-	SNR
Kalmia angustifolia	Sheep laurel	-	-	-	S5
Kalmia polifolia	Pale bog laurel	-	-	-	S5
Larix laricina	Tamarack	-	-	-	S5
Leucanthemum vulgare	Oxeye daisy	-	-	-	SNA
Linnaea borealis	Twinflower	-	-	-	S5
Lobelia dortmanna	Water lobelia	-	-	-	S5
Lonicera canadensis	Canada fly honeysuckle	-	-	-	S5
Lotus corniculatus	Garden bird's-foot trefoil	-	-	-	SNA
Lupinus polyphyllus	Large-leaved lupin	-	-	-	SNA
Lycopodiella inundata	Northern bog clubmoss	-	-	-	S5
Lycopodium clavatum	Running clubmoss	-	-	-	S5
Lycopus uniflorus	Northern water horehound	-	-	-	S5
Lysimachia borealis	Northern starflower	-	-	-	S5
Lysimachia terrestris	Swamp yellow loosestrife	-	-	-	S5
Maianthemum canadense	Wild lily-of-the-valley	-	-	-	S5
Maianthemum trifolium	Three-leaved false soloman's seal	-	-	-	S5
Mitchella repens	Partridgeberry	-	-	-	S5
Monotropa uniflora	Convulsion-root	-	-	-	S5
Morella pensylvanica	Northern bayberry	-	-	-	S5
Myrica gale	Sweet gale	-	-	-	S5
Nabalus trifoliolatus	Three-leaved rattlesnakeroot	-	-	-	S5
Nuttallanthus canadensis	Canada toadflax	-	-	-	SNA
Oclemena acuminata	Whorled wood aster	-	-	-	S5
Oclemena nemoralis	Bog aster	-	-	-	S5

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Odontites vulgaris	Red bartsia	-	-	-	SNA
Onoclea sensibilis	Sensitive fern	-	-	-	S5
Osmunda regalis	Royal fern	-	-	-	S5
Osmundastrum cinnamomeum	Cinnamon fern	-	-	-	S5
Oxalis montana	Common wood sorrel	-	-	-	S5
Persicaria sagittata	Arrow-leaved smartweed	-	-	-	S5
Phalaris arundinacea	Reed canary grass	-	-	-	S5
Phegopteris connectilis	Northern beech fern	-	-	-	S5
Phleum pratense	Common timothy	-	-	-	SNA
Picea glauca	White spruce	-	-	-	S5
Picea mariana	Black spruce	-	-	-	S5
Picea rubens	Red spruce	-	-	-	S5
Platanthera blephariglottis	White fringed orchid	-	-	-	S4S5
Platanthera clavellata	Club spur orchid	-	-	-	S5
Platanthera lacera	Ragged fringed orchid	-	-	-	S4S5
Poa compressa	Canada blue grass	-	-	-	SNA
Populus tremuloides	Trembling aspen	-	-	-	S5
Potentilla norvegica	Rough cinquefoil	-	-	-	S5
Potentilla reptans	Creeping cinquefoil	-	-	-	SNA
Potentilla simplex	Old field cinquefoil	-	-	-	S5
Prunella vulgaris	Common self-heal	-	-	-	S5
Prunus pensylvanica	Pin Cherry	-	-	-	S5
Prunus serotina	Black cherry	-	-	-	S5
Pteridium aquilinum	Bracken fern	-	-	-	S5
Quercus rubra	Northern red oak	-	-	-	S5
Ranunculus repens	Creeping buttercup	-	-	-	SNA
Rhododendron canadense	Rhodora	-	-	-	S5
Rhododendron groenlandicum	Common Labrador tea	-	-	-	S5
Rhynchospora alba	White beakrush	-	-	-	S5
Ribes glandulosum	Skunk currant	-	-	-	S5
Ribes triste	Swamp red currant	-	-	-	S4
Rosa nitida	Shining rose	-	-	-	S4S5
Rosa palustris	Swamp rose	-	-	-	S4
Rubus allegheniensis	Alleghaney blackberry	-	-	-	S5
Rubus chamaemorus	Cloudberry	-	-	-	S4
Rubus hispidus	Bristly dewberry	-	-	-	S5
Rubus idaeus	Red raspberry	-	-	-	S5
Rubus pubescens	Dwarf red raspberry	-	-	-	S5
Rudbeckia hirta	Black-eyed susan	-	-	-	SNA
Salix bebbiana	Bebb's willow	-	-	-	S5

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Sambucus racemosa	Red elderberry	-	-	-	S5
Sarracenia purpurea	Northern pitcher plant	-	-	-	S5
Scirpus atrocinctus	Black-girdled bulrush	-	-	-	S5
Scirpus cyperinus	Common woolly bulrush	-	-	-	S5
Securigera varia	Purple crown-vetch	-	-	-	SNA
Solidago canadensis	Canada goldenrod	-	-	-	S4S5
Solidago juncea	Early goldenrod	-	-	-	S5
Solidago puberula	Downy goldenrod	-	-	-	S5
Solidago rugosa	Rough-stemmed goldenrod	-	-	-	S5
Solidago uliginosa	Northern bog goldenrod	-	-	-	S5
Sorbus americana	American mountain ash	-	-	-	S5
Sorbus aucuparia	European mountain ash	-	-	-	SNA
Spiraea alba	White meadowsweet	-	-	-	S5
Spiraea tomentosa	Steeplebush	-	-	-	S5
Spiranthes cernua	Nodding ladies'-tresses	-	-	-	S4?
Symphyotrichum lateriflorum	Calico aster	-	-	-	S5
Symphyotrichum novi-belgii	New York aster	-	-	-	S5
Symphyotrichum puniceum	Purple-stemmed aster	-	-	-	S5
Taraxacum officinale	Common dandelion	-	-	-	SNA
Thalictrum pubescens	Tall meadow-rue	-	-	-	S5
Thelypteris palustris	Eastern marsh fern	-	-	-	S5
Trifolium aureum	Yellow clover	-	-	-	SNA
Trifolium pratense	Red clover	-	-	-	SNA
Trifolium repens	White clover	-	-	-	SNA
Typha latifolia	Broad-leaved cattail	-	-	-	S5
Utricularia cornuta	Horned bladderwort	-	-	-	S5
Vaccinium angustifolium	Late lowbush blueberry	-	-	-	S5
Vaccinium cespitosum	Dwarf bilberry	-	-	-	S3S4
Vaccinium macrocarpon	Large cranberry	-	-	-	S5
Vaccinium myrtilloides	Velvet-leaved blueberry	-	-	-	S5
Vaccinium oxycoccos	Small cranberry	-	-	-	S5
Vaccinium vitis-idaea	Mountain cranberry	-	-	-	S4S5
Viburnum cassinoides	Northern wild raisin	-	-	-	S5
Vicia cracca	Tufted vetch	-	-	-	SNA
Viola sororia	Woolly blue violet	-	-	-	S5
Non-Vascular Plants					
Bazzania denudata	Naked whipwort	-	-	-	S4S5
Brachythecium campestre	Field ragged moss	-	-	-	S5
Brachythecium rotaenum	Rota's feather moss	-	-	-	S5

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Brachythecium rutabulum	Rough-stalked feather moss	-	-	-	S5
Dicranum polysetum	Wavy-leaved broom moss	-	-	-	S5
Dicranum scoparium	Common broom moss	-	-	-	S5
Dicranum undulatum	A Dicranum moss	-	-	-	S5
Frullania asagrayana	Asa Gray's scalewort	-	-	-	S5
Frullania erobacensis	York scalewort	-	-	-	S5
Frullania oakesiana	Oake's scalewort	-	-	-	S4
Frullania tamarisci	Tamarisk scalewort	-	-	-	SU
Hylocomiastrum umbratum	A feather moss	-	-	-	S5
Hylocomium splendens	Stairstep moss	-	-	-	S5
Mnium hornum	Swan's-neck leafy moss	-	-	-	S5
Mnium marginatum	Bordered leafy moss	-	-	-	S4?
Neckera complanata	A moss	-	-	-	S5
Neckera pennata	Feathery Neckera moss	-	-	-	S5
Pleurozium schreberi	Red-stemmed feather moss	-	-	-	S5
Radula complanata	Flat-leaved scalewort	-	-	-	S5
Sphagnum angermanicum	A peatmoss	-	-	-	S4S5
Sphagnum capillifolium	Northern peatmoss	-	-	-	S5
Sphagnum flavicomans	A peatmoss	-	-	-	S5
Sphagnum majus	Olive peatmoss	-	-	-	S4
Sphagnum palustre	Blunt-leaved peat moss	-	-	-	S5
Sphagnum rubellum	Red peat moss	-	-	-	S5
Sphagnum russowii	Russow's peat moss	-	-	-	S5
Sphagnum squarrosum	Shaggy peatmoss	-	-	-	S5
Sphagnum subtile	Delicate peatmoss	-	-	-	S5
Sphagnum warnstorfii	Warnstorf's peat moss	-	-	-	S4S5
Sphagnum wulfianum	Wulf's peat moss	-	-	-	S4S5
Ulota coarctata	A moss	-	-	-	S5
Ulota crispaa	Crisped pincushion moss	-	-	-	S5
Lichens					
Bacidia diffracta	A lichen	-	-	-	SU
Bacidia schweinitzii	A lichen	-	-	-	S5
Baeomyces rufus	Brown beret lichen	-	-	-	S4
Bryoria furcellata	Burred horsehair lichen	-	-	-	S5
Bryoria nadvornikiana	Blonde horsehair lichen	-	-	-	S4S5
Buellia disciformis	A lichen	-	-	-	S5
Buellia schaereri	Schaerer's disc lichen	-	-	-	SU
Calicium lenticulare	A lichen	-	-	-	S5
Calicium salicinum	A lichen	-	-	-	S5

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Caloplaca fraudans	A lichen	-	-	-	SU
Cetraria aculeata	Spiny heath lichen	-	-	-	S4S5
Cetraria islandica	True icelandmoss lichen	-	-	-	S4
Cetrelia chicitae	Frothing seastorm lichen	-	-	-	S5
Cetrelia olivetorum	Upside seastorm lichen	-	-	-	S5
Chaenotheca brunneola	Brown-head stubble lichen	-	-	-	S5
Chaenotheca chrysocephala	A lichen	-	-	-	S5
Chaenotheca gracillima	A lichen	-	-	-	S4S5
Cladonia amaurocraea	Quill lichen	-	-	-	SU
Cladonia arbuscula	Reindeer lichen	-	-	-	S5
Cladonia boryi	Fishnet lichen	-	-	-	S5
Cladonia cenotea	Powdered funnel lichen	-	-	-	S5
Cladonia chlorophaea	Mealy pixie-cup lichen	-	-	-	S5
Cladonia cristatella	British soldiers lichen	-	-	-	S5
Cladonia farinacea	Farinose pixie lichen	-	-	-	S4
Cladonia gracilis	Cup lichen	-	-	-	S5
Cladonia macilenta	Lipstick powderhorn lichen	-	-	-	S4S5
Cladonia maxima	Giant cladonia lichen	-	-	-	S5
Cladonia ochrochlora	Smooth-footed powderhorn lichen	-	-	-	S5
Cladonia pleurota	Red-fruited pixie-cup	-	-	-	S5
Cladonia rangiferina	Gray reindeer lichen	-	-	-	S5
Cladonia rei	Wand lichen	-	-	-	S5
Cladonia squamosa	Dragon lichen	-	-	-	S5
Cladonia stellaris	Star-tipped reindeer lichen	-	-	-	S5
Cladonia strepsilis	Olive cladonia lichen	-	-	-	S5
Cladonia stygia	Black-footed reindeer lichen	-	-	-	S3?
Cladonia terrae-novae	Newfoundland reindeer lichen	-	-	-	S5
Cladonia uncialis	Thorn lichen	-	-	-	S5
Cladonia verticillata	Ladder lichen	-	-	-	S5
Collema furfuraceum	Blistered tarpaper lichen	-	-	-	S5
Collema subflaccidum	Tree tarpaper lichen	-	-	-	S5
Dibaeis baeomyces	Pink earth lichen	-	-	-	S5
Flavoparmelia caperata	Granulated greenshield lichen	-	-	-	S5
Fuscopannaria ahlneri	Roughened shingle lichen	-	-	-	S3
Graphis scripta	A lichen	-	-	-	S5
Heterodermia neglecta	Fringe lichen	-	-	-	S3S4
Hypogymnia incurvoides	Lattice tube Lichen	-	-	-	S4S5
Hypogymnia krogiae	Freckled tube Lichen	-	-	-	S5

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Hypogymnia physodes	Monk's hood lichen	-	-	-	S5
Hypogymnia tubulosa	Powder-headed tube lichen	-	-	-	S5
Hypogymnia vittata	Slender monk's hood lichen	-	-	-	S4
Ichmadophila ericetorum	A lichen	-	-	-	S5
Imshaugia aleurites	Salted starburst lichen	-	-	-	S4S5
Lasallia papulosa	Brown-bellied toadskin lichen	-	-	-	S5
Lecanora caesiorubella	A lichen	-	-	-	S5
Lecanora thysanophora	A lichen	-	-	-	S5
Lepra amara	A lichen	-	-	-	S5
Lepraria finkii	Fluffy dust lichen	-	-	-	S5
Leptogium cyanescens	Blue jellyskin lichen	-	-	-	S5
Lobaria pulmonaria	Lungwort lichen	-	-	-	S5
Lobaria scrobiculata	Textured lungwort lichen	-	-	-	S5
Melanelixia subaurifera	Abrading camouflage lichen	-	-	-	S5
Menegazzia subsimilis	Tree flute lichen	-	-	-	S4S5
Menegazzia terebrata	Magic flute lichen	-	-	-	S4S5
Moelleropsis nebulosa	Blue-gray moss shingle lichen	-	-	-	S2S3
Nephroma helveticum	Fringed kidney lichen	-	-	-	S4S5
Nephroma laevigatum	Mustard kidney lichen	-	-	-	S5
Pannaria conoplea	Mealy-rimmed shingle lichen	-	-	-	S4S5
Pannaria rubiginosa	Brown-eyed shingle lichen	-	-	-	S4
Parmelia squarrosa	Bottledbrush shield lichen	-	-	-	S5
Parmelia sulcata	Hammered shield lichen	-	-	-	S5
Parmeliella triptophylla	Black-bordered shingles lichen	-	-	-	S5
Parmeliopsis capitata	Powder-tipped starburst lichen	-	-	-	S5
Parmotrema crinitum	Salted ruffle lichen	-	-	-	S5
Pectenia plumbea	Blue felt lichen	Special Concern	Special Concern	Vulnerable	S3
Peltigera aphthosa	Common freckle pelt lichen	-	-	-	S5
Peltigera canina	Dog lichen	-	-	-	S5
Peltigera collina	Tree pelt lichen	-	-	-	S3
Peltigera evansiana	Peppered pelt lichen	-	-	-	S4S5
Peltigera horizontalis	Flat-fruited pelt lichen	-	-	-	S5
Peltigera polydactylon	Many-fruited pelt lichen	-	-	-	S5
Peltigera praetextata	Born-again pelt lichen	-	-	-	S4S5
Pertusaria macounii	A lichen	-	-	-	S5
Phaeocalicium compressulum	Alder needle lichen	-	-	-	SU

Scientific Name	Common Name	COSEWIC	SARA	ESA	S-Rank
Phaeocalicium polyporeaum	A disc lichen	-	-	-	SU
Phaeophyscia rubropulchra	Orange-cored shadow lichen	-	-	-	S5
Physcia stellaris	Star rosette lichen	-	-	-	S5
Platismatia glauca	Varied rag lichen	-	-	-	S5
Platismatia tuckermanii	Crumpled rag lichen	-	-	-	S5
Pseudocyphellaria holarctica	Yellow speckebelly lichen	-	-	-	S5
Punctelia rudecta	Rough speckleback lichen	-	-	-	S5
Ramalina americana	Sinewed ramalina lichen	-	-	-	S5
Ramalina dilacerata	Punctured ramalina lichen	-	-	-	S5
Ramalina roesleri	Frayed ramalina lichen	-	-	-	S5
Ricasolia quercizans	Smooth lung lichen	-	-	-	S5
Rusavskia elegans	Elegant sunburst lichen	-	-	-	S4S5
Scytinium subtile	Appressed jellyskin lichen	-	-	-	S3S4
Sphaerophorus globosus	Northern coral lichen	-	-	-	S4
Stereocaulon dactylophyllum	Finger foam lichen	-	-	-	S5
Stereocaulon tomentosum	Woolly foam lichen	-	-	-	S4S5
Stictis urceolatum	A lichen	-	-	-	S4
Tuckermanopsis americana	Fringed wrinkle lichen	-	-	-	S5
Tuckermanopsis ciliaris	Fringed wrinkle lichen	-	-	-	S4?
Tuckermanopsis orbata	Variable wrinkle lichen	-	-	-	S5
Usnea dasopoga	Fishbone beard lichen	-	-	-	S5
Usnea strigosa	Bushy beard lichen	-	-	-	S5
Xanthoparmelia conspersa	Peppered rock-shield lichen	-	-	-	S4S5
Xanthoria parietina	Maritime sunburst lichen	-	-	-	S5

APPENDIX L
OLD GROWTH ASSESSMENTS

Photo 1: Representative photo of C026-08595 Plot 1.

Photo 2: Representative photo of C026-08595 Plot 2.

Photo 3: Representative photo of C026-08595 Plot 3.

Photo 4: Representative photo of C026-09274 Plot 1.

Photo 5: Representative photo of C026-09274 Plot 2.

Photo 6: Representative photo of C026-09274 Plot 3.

APPENDIX M
TERRESTRIAL FAUNA PHOTO LOG

Photo 1: White-tailed deer (*Odocoileus virginianus*) and fawn photographed at 14:59 June 13, 2024 by trail camera.

Photo 2: White-tailed deer scat photographed at 13:24 April 2, 2024 by iPad Mini within the Assessment Area.

Photo 3: White-tailed deer photographed at 12:36 December 29, 2024 by trail camera.

Photo 4: Red fox (*Vulpes vulpes*) tracks photographed at 9:39 February 3, 2025 by iPad Mini within the Assessment Area.

Photo 5: White-tailed deer tracks photographed at 10:16 February 3, 2025 by iPad Mini within the Assessment Area.

Photo 6: Red squirrel (*Tamiasciurus hudsonicus*) tracks photographed at 14:08 February 3, 2025 by iPad Mini.

Photo 7: Snowshoe hare (*Lepus americanus*) tracks photographed at 9:36 February 3, 2025 by iPad Mini within the Assessment Area.

APPENDIX N
AVIFAUNA

ATLAS DES OISEAUX NICHEURS DES MARITIMES
BREEDING BIRD ATLAS

Square Summary (20PR00)

#species (1st atlas)				#species (2nd atlas)				#hours		#pc done	
poss	prob	conf	total	poss	prob	conf	total	1st	2nd	road	offrd
1	1	1	3	44	16	21	81	2	13.2	0	0

Region summary (#22: Guysborough)

#squares	#sq with data		#species		#pc done	target #pc
	1st	2nd	1st	2nd		
54	44	49	129	149	227	202

Target number of point counts in this square: 12 road side, 3 off road (1 in Mature coniferous, 1 in Mature deciduous, 1 in Open wetlands). Please try to ensure that each off-road station is located such that the entire 100m radius circle is within the prescribed habitat.

SPECIES	Code		%		SPECIES	Code		%		SPECIES	Code		%	
	1st	2nd	1st	2nd		1st	2nd	1st	2nd		1st	2nd	1st	2nd
Canada Goose		FY	4	57	Killdeer			11	2	Black-back Woodpecker			18	26
Wood Duck			6	22	Spotted Sandpiper		T	47	55	Northern Flicker		P	59	83
American Black Duck	H	H	43	71	Greater Yellowlegs †		H	0	2	Pileated Woodpecker			13	32
Mallard			9	20	Least Sandpiper †			2	0	American Kestrel			18	30
Blue-winged Teal ‡			2	8	Wilson's Snipe			20	26	Merlin		H	9	28
Green-winged Teal			11	18	American Woodcock		S	22	34	Olive-sided Flycatcher †		S	29	48
Ring-necked Duck			29	40	Ring-billed Gull ‡§			0	0	Eastern Wood-Pewee			18	26
Common Eider §		FY	47	42	Herring Gull §			54	36	Yellow-bellied Flycatcher		S	34	85
Common Merganser		P	13	53	Great Black-backed Gull §			56	38	Alder Flycatcher		CF	52	85
Red-breast Merganser ‡		P	4	36	Roseate Tern ‡§			9	2	Least Flycatcher		S	25	55
Ring-necked Pheasant ‡			2	20	Common Tern §			11	36	Eastern Phoebe ‡			2	8
Ruffed Grouse		FY	34	53	Arctic Tern ‡§			18	14	Eastern Kingbird			20	12
Spruce Grouse			22	32	Black Guillemot ‡§			11	16	Blue-headed Vireo		CF	47	75
Common Loon	P	S	47	71	Rock Pigeon			15	26	Red-eyed Vireo		T	47	77
Leach's Storm-Petrel ‡§			22	8	Mourning Dove		FY	15	73	Gray Jay			40	65
Double-crest Cormorant §			43	26	Great Horned Owl			15	20	Blue Jay		P	52	77
Great Cormorant ‡§			9	6	Northern Hawk Owl †			0	0	American Crow		CF	61	85
American Bittern ‡			4	12	Barred Owl			18	40	Common Raven		FY	59	83
Great Blue Heron §			47	30	Long-eared Owl †		S	0	2	Tree Swallow		AE	54	83
Turkey Vulture ‡¤			2	0	Short-eared Owl †		H	0	2	Bank Swallow §		AE	40	14
Osprey		P	54	51	North Saw-whet Owl			2	24	Cliff Swallow §			20	6
Bald Eagle ¤		P	34	55	Common Nighthawk †		S	15	28	Barn Swallow		H	54	59
Northern Harrier			27	24	Chimney Swift †			18	8	Black-capp Chickadee		S	54	91
Sharp-shinned Hawk			9	16	Ruby-thr Hummingbird		H	34	61	Boreal Chickadee		S	63	85
Northern Goshawk			11	8	Belted Kingfisher		H	43	73	Red-breast Nuthatch		FY	61	79
Broad-winged Hawk ‡		H	4	22	Yellow-bellied Sapsucker			13	26	White-breast Nuthatch ‡			2	12
Red-tailed Hawk			22	42	Downy Woodpecker		S	34	55	Brown Creeper			6	30
Golden Eagle ‡			2	0	Hairy Woodpecker		P	36	71	Winter Wren		S	34	83
Piping Plover †			4	2	Am Three-toed Woodpecker †			0	2	Golden-crown Kinglet		S	56	91

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Maritimes Breeding Bird Atlas - Summary Sheet for Square 20PR00 (page 2 of 2)

SPECIES	Code		%		SPECIES	Code		%		SPECIES	Code		%	
	1st	2nd	1st	2nd		1st	2nd	1st	2nd		1st	2nd	1st	2nd
Ruby-crown Kinglet		T	61	89	Pine Warbler †			0	2	Evening Grosbeak		H	34	30
Eastern Bluebird †			2	2	Yellow-rumped Warbler		CF	61	93	House Sparrow			27	4
Veery		S	11	18	Black-thr Green Warbler		CF	56	91					
Swainson's Thrush		P	56	91	Canada Warbler †		S	38	34					
Hermit Thrush		CF	63	91	Wilson's Warbler		S	31	34					
American Robin		CF	65	91	Chipping Sparrow		S	34	26					
Gray Catbird		S	22	38	Savannah Sparrow		S	34	46					
Northern Mockingbird †			4	0	Ipswich Sparrow †			2	0					
European Starling		CF	47	71	Nelson's Sh.-tail Sparrow			9	18					
Cedar Waxwing		S	43	83	Fox Sparrow		S	29	38					
Ovenbird		S	20	61	Song Sparrow		CF	68	87					
North Waterthrush		S	18	42	Lincoln's Sparrow		S	47	73					
Black-white Warbler		P	54	91	Swamp Sparrow		S	43	81					
Tennessee Warbler		S	50	44	White-throat Sparrow		FY	59	93					
Nashville Warbler		S	45	81	Dark-eyed Junco	AY	CF	68	93					
Mourning Warbler		S	43	55	Scarlet Tanager †			0	0					
Common Yellowthroat		P	63	95	Rose-breast Grosbeak			22	4					
Hooded Warbler ‡			0	0	Bobolink			25	0					
American Redstart		T	56	87	Red-wing Blackbird		S	29	40					
Cape May Warbler			20	12	Eastern Meadowlark †			0	2					
Northern Parula		S	45	67	Rusty Blackbird †			18	14					
Magnolia Warbler		S	61	91	Common Grackle		CF	43	79					
Bay-breasted Warbler		S	34	55	Brown-head Cowbird			22	2					
Blackburnian Warbler		S	36	44	Pine Grosbeak			34	18					
Yellow Warbler		T	43	73	Purple Finch		S	52	79					
Chestn-sided Warbler		S	22	42	Red Crossbill †			9	22					
Blackpoll Warbler		FY	27	32	White-winged Crossbill			38	36					
Black-thr Blue Warbler			11	10	Pine Siskin			43	32					
Palm Warbler		S	50	83	American Goldfinch		P	56	85					

This list includes all species found during the Maritimes Breeding Bird Atlas (1st atlas: 1986-1990, 2nd atlas: 2006-2010) in the region #22 (Guysborough). Underlined species are those that you should try to add to this square (20PR00). They have not yet been reported during the 2nd atlas, but were found during the 1st atlas in this square or have been reported in more than 50% of the squares in this region during the 2nd atlas so far. "Code" is the code for the highest breeding evidence for that species in square 20PR00 during the 2nd and 1st atlas respectively. The % columns give the percentage of squares in that region where that species was reported during the 2nd and 1st atlas (this gives an idea of the expected chance of finding that species in region #22). Rare/Colonial Species Report Forms should be completed for species marked: § (Colonial), ‡ (regionally rare), † (rare in the Maritimes) or ¤ (rare in the Maritimes, documentation only required for confirmed records). Current as of 9/01/2025. An up-to-date version of this sheet is available from http://www.mba-aom.ca/jsp/summaryform.jsp?squareID=20PR00?lang=en

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AVIAN SAR POTENTIAL HABITAT MODELLING METHODS

Bank swallow

To identify potential breeding habitat with a suitable substrate (e.g., eroding cliffs and banks consisting of silt/sandy/loose clay/fine gravel/organic) the surficial geology was overlaid with areas greater than 45 degrees of slope, and pits/quarries were included where excavation may have caused the formation of ideal slope and substrate conditions. To note, 45 degrees was selected as the threshold for slope identification as it was derived from LiDAR data. Given the LiDAR was collected via an aerial sensor, due to collection settings it may be limited in trying to identify finer scale 70-degree areas of slope. The 45 degrees slope therefore serves as a proxy where there may be steep sloping conditions. The surficial geology present in the area is not ideal for bank swallows. Mostly Silty till plain make up the areas identified such as steep road cuts and quarries. Therefore, areas were not quantified for this species.

References

COSEWIC. 2013. COSEWIC assessment and status report on the Bank Swallow *Riparia riparia* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. ix + 48 pp. (www.registrelep-sararegistry.gc.ca/default_e.cfm).

Environment and Climate Change Canada. 2021. Recovery Strategy for the Bank Swallow (*Riparia riparia)* in Canada [Proposed]. *Species at Risk Act* Recovery Strategy Series. Environment and Climate Change Canada, Ottawa. ix + 122 pp.

Barn swallow

Barn swallows forage over a wide range of open and semi-open habitats including natural and anthropogenic environments. They adapt often to nesting on anthropogenic structures such as buildings (e.g., houses, camps, sheds, garages, barns) and bridges which were identified and buffered 600 m to allow for their respective foraging range. Field observed structures were added as well with a 600 m buffer.

Reference

Nova Scotia Department of Lands and Forestry. 2020. Recovery Plan for the Barn Swallow (*Hirundo rustica*) in Nova Scotia [Final]. *Nova Scotia Endangered Species Act* Recovery Plan Series.

Bobolink

Habitat in the Local Assessment Area (LAA) and Assessment Area (AA) does not meet the grassland habitats that can be described by vegetation association (e.g., grass) as well as by land use (e.g., pasture), based on criteria referenced in the recovery plan. Instead, Old Fields, and Agriculture land cover classes are queried with only Agriculture class present in the study area. Noted also as open habitats where the combined coverage of trees and tall shrubs (over 1 m) is less than 60% but not defined on map.

Reference

Environment and Climate Change Canada. 2022. Recovery Strategy for the Bobolink (*Dolichonyx oryzivorus*) in Canada [Proposed]. *Species at Risk Act* Recovery Strategy Series. Environment and Climate Change Canada, Ottawa. viii + 141 pp.

Canada warbler

To account for moist forests with a dense, deciduous shrub layer, complex understory, and available perch trees the WAM was filtered to include values up to (0.5 m). Forest data was queried to include the FORNON code of 39 which is an area where in part Alders compose 75% or more crown closure. The leading species (SP1) attributes of TL (Larch), RM (Red Maple), BF (Balsam Fir), and BS (Black Spruce) were used. Stands including Larch as the second or third species were included as well. Furthermore, to account for wetland features and their respective edge habitat, the Canadian Wetland Inventory (CNWI) data was included.

Mixedwood and deciduous stands with tall trees (> 12 m) were not incorporated as it would generalize the habitat and add significant amounts of habitat leading to likely an overestimation.

Reference

Environment Canada. 2016. Recovery Strategy for the Canada Warbler (*Cardellina canadensis*) in Canada. *Species at Risk Act* Recovery Strategy Series. Environment Canada, Ottawa. vii + 56 pp.

Common nighthawk

Open ground/clearings for nesting – i.e., sandy areas, open forests, grasslands, wetlands, barrens, and other rocky areas were considered. A buffer of 10 m was included on the road network/unpaved forestry roads. The CNWI was filtered to include only open wetland types (e.g., Bog, Bog or Fen, Fen, Marsh). The land cover types of 'Urban, Landfill, Quarry, Transport Corridor', 'Utility Corridor', or 'Blueberries or Barren' were filtered and included.

Reference

Environment Canada. 2016. Recovery Strategy for the Common Nighthawk (*Chordeiles minor*) in Canada. *Species at Risk Act* Recovery Strategy Series. Environment Canada, Ottawa. vii + 49 pp.

Evening grosbeak

The forest inventory was used where the leading species (SP1) matched the attribute of TA (Large Tooth Aspen, and Trembling Aspen). Since nesting occurs in large mature mixedwood stands with a high % of fir, spruce, tamarack, pine, and aspen, these were filtered from SP1 to include all pine, fir, and spruce species in addition to tamarack that composed greater than 50% but less than 70% of a given stand. Species listed below from query based on codes:

SP1 IN ('TL', 'AP', 'JP', 'RP', 'SP', 'WP', 'BF', 'DF', 'BS', 'NS', 'RS', 'SS', 'WS', 'XS').
SP2 IN ('TL', 'AP', 'JP', 'RP', 'SP', 'WP', 'BF', 'DF', 'BS', 'NS', 'RS', 'SS', 'WS', 'XS').
SP3 IN ('TL', 'AP', 'JP', 'RP', 'SP', 'WP', 'BF', 'DF', 'BS', 'NS', 'RS', 'SS', 'WS', 'XS').
SP4 IN ('TL', 'AP', 'JP', 'RP', 'SP', 'WP', 'BF', 'DF', 'BS', 'NS', 'RS', 'SS', 'WS', 'XS').

For further analysis, each layer was converted to its respective percentage values then summed and queried for greater than or equal to 50% but less than 70% softwood composition.

Reference

Environment and Climate Change Canada. 2022. Management Plan for the Evening Grosbeak (*Coccothraustes vespertinus*) in Canada [Proposed]. *Species at Risk Act* Management Plan Series. Environment and Climate Change Canada, Ottawa. v + 45 pp.

Olive-sided flycatcher

Forest data queried to include the leading species (SP1) attribute of BS (black spruce), RS (red spruce), WS (white spruce), SP (Scots pine), RP (red pine), JP (Jack pine), and EH (Eastern hemlock), if present. The archived crown harvest plans and Harvest land cover class received a 20 m internal buffer to include only edge habitat. All wetlands were included from the CNWI data. The point density technique, described below, was used to eliminate areas where only edge habitat existed without aggregation to any other habitat criteria unless more than 20 m was present due to area geometries. Burn data was also included as habitat but no burn areas have been recorded in the study area. Any water features from NS Natural Resources (NSNR) Wetland inventory were removed from the habitat analysis.

Limiting the SP1 tree to a height greater than 12 m results in significant habitat loss.

Reference

Environment Canada. 2015. Recovery Strategy for Olive-sided Flycatcher (*Contopus cooperi*) in Canada [Proposed]. *Species at Risk Act* Recovery Strategy Series. Environment Canada, Ottawa. vi + 51 pp.

Roseate tern

Critical Habitat for Species at Risk National Dataset was used to display geographic areas within which critical habitat existed on a coastal island (i.e., particularly the Country Island IBA complex). Due to similar characteristics nearby islands were flagged as well as potential.

References

“Order Summary: Critical Habitat of the Roseate Tern (*Sterna dougallii*)” – SARA - https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry/related-information/summary-order-critical-habitat-roseate-tern.html

COSEWIC 1999. COSEWIC assessment and update status report on the Roseate Tern *Sterna dougallii* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 28 pp. (www.sararegistry.gc.ca/status/status_e.cfm)

COSEWIC. 2009. COSEWIC assessment and update status report on the Roseate Tern *Sterna dougallii* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vii + 48 pp. (www.sararegistry.gc.ca/status/status_e.cfm).
Environment Canada. 2006. Recovery Strategy for the Roseate Tern (*Sterna dougallii*) in Canada [Proposed]. *Species at Risk Act* Recovery Strategy Series. Environment Canada. Ottawa. vii + 37 pp.

Short-eared owl

All vegetation heights were calculated for 1 m pixels from LiDAR data. The data was reclassified to consider open grassy wetlands (e.g., marshes), estuaries, and open fields (natural or anthropogenic) – grassland, agricultural land, airports, tundra, prairies, barrens, etc. Large open areas, sensitive to habitat fragmentation. Medium to taller grasses. The height values used were greater than 0 to less than 1 m. Due to the sensitive to fragmented habitat, as well as many small areas identified by thresholding the vegetation height. The point density method, as described below, was used to aggregate connected areas and filter isolated or smaller areas with no connectivity.

Reference

COSEWIC. 2021. COSEWIC assessment and status report on the Short-eared Owl *Asio flammeus* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xiii + 69 pp.

Environment and Climate Change Canada. 2018. Management Plan for the Short-eared Owl (*Asio flammeus*) in Canada. *Species at Risk* Act Management Plan Series. Environment and Climate Change Canada, Ottawa. v + 37 pp.

Point Density Method (used for olive-sided flycatcher and short-eared owl)

The point density method is used when high resolution data is queried and/or filtered to match habitat criteria and results in non-contiguous areas or small isolated areas requiring post processing to identify only ecologically meaningful habitat.

Each of the habitat criteria was reclassified to a binary scale (e.g., potential habitat or no potential habitat). For example, the short-eared owl prefers low vegetation areas that are not overly fragmented. With a binary raster created, points were generated on a per cell basis (e.g., one point representing the centroid of each potential habitat cell). The resulting data derivative represents the spatial extent and distribution of the habitat criteria by point geometries.

The points density tool is run on the point layer, calculating the number of input points per unit area within a set search radius. The output is a continuous raster surface of relative density values. The search radius is set accordingly to eliminate small irrelevant patches of habitat

while identifying those that are less fragmented. For example, a search radius of 30 m was used to help identify areas of low point density and to help remove slivers of edge habitat which had been buffered by 20 m but lacked adjacent habitat. This also helps remove single isolated habitat cells. The low-density areas correspond to isolated or fragmented small patches of habitat.

In further detail, the areas of high density (e.g., > 0.5/cell/search radius) indicate clusters of suitable habitats where contiguous clusters are more likely to function as ecological cores. These areas are more likely to support stable populations with breeding, foraging, and nesting, due to increased resource availability and lower predation risk (Wang, Y. et al., 2025). Therefore, the point density method creates a potential habitat layer that can be constrained accordingly to delineate clusters of larger continuous habitat at the landscape scale.

Reference

Wang, Y. et al. 2025. Construction and optimization of the watershed-scale ecological network based on network characteristic analysis: A case study of the Lancang River Basin. Ecological Indicators, Volume 171, 113164, https://doi.org/10.1016/j.ecolind.2025.113164.

Date	Survey Type	Location	Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise	Weather	Habitat Description	Species Code	Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	S-Rank	Number	Distance (m)	Notes
Round 1																	
16-Apr-24	Point Count	1	*Not surveyed due to safety concerns.*														
16-Apr-24	Point Count	2	9:22	10 mins	6:19	3-9 degrees Celsius, Light breeze (6-11 km/h), No precipitation	Along pipeline road, adjacent to mixedwood habitat and waterbody	PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	4	0-50	Flyover
								BOCH	Boreal Chickadee	*Poecile hudsonicus*	---	---	---	S3	2	0-50	
								DEJU	Dark-eyed Junco	*Junco hyemalis*	---	---	---	S4S5	4	0-50	
								WWCR	White-winged Crossbill	*Loxia leucoptera*	---	---	---	S4S5	11	0-50	Flyover
16-Apr-24	Point Count	3	10:00	10 mins	6:19	Light breeze (6-11 km/h)	Parking lot to pipeline, open area adjacent to mixedwood wetland habitat and watercourse	DEJU	Dark-eyed Junco	*Junco hyemalis*	---	---	---	S4S5	1	0-50	
								AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	2	0-50	
								BAEA	Bald Eagle	*Haliaeetus leucocephalus*	---	---	---	S5	2	0-50	Flyover
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	100+	
								PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	4	0-50	Flyover
								COLO	Common Loon	*Gavia immer*	---	---	---	S4B	1	100+	
								SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	2	50-100, 100m+	
								CORA	Common Raven	*Corvus corax*	---	---	---	S5	1	100+	
								WWCR	White-winged Crossbill	*Loxia leucoptera*	---	---	---	S4S5	2	0-50	Flyover
								AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	1	0-50	Flyover
								PUFI	Purple Finch	*Haemorhous purpureus*	---	---	---	S4S5B,S3S4N, S5M	1	50-100	
16-Apr-24	Point Count	4	10:22	10 mins	6:19	Light breeze (6-11 km/h) Light mist	Previously harvested area, open canopy with deciduous shrubs	SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	2	50-100, 100+	
								AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	2	50-100, 100+	
								PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	7	0-50	Flyover
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	100	
								DEJU	Dark-eyed Junco	*Junco hyemalis*	---	---	---	S4S5	1	100+	
16-Apr-24	Point Count	5	*Not surveyed due to safety concerns.*														
16-Apr-24	Point Count	6	8:45	10 mins	6:19	Light breeze (6-11 km/h), No precipitation	Open area near anthropogenic structures, bramble and graminoid vegetations	AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	12	0-50	
								PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	17	0-50	Flyover
								OSPR	Osprey	*Pandion haliaetus*	---	---	---	S4S5B,S5M	1	0-50	
								SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	1	0-50	
								ABDU	American Black Duck	*Anas rubripes*	---	---	---	S5B,S5N	1	100+	
								AMCR	American Crow	*Turdus migratorius*	---	---	---	S5	3	100+	
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	50-100	
16-Apr-24	Point Count	7	8:31	10 mins	6:19	Light breeze (6-11 km/h)	Open area near helicopter pad, adjacent to waterbody, bramble and graminoid vegetations, predominantly bare ground	SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	5	0-50, 50-100m	
								AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	2	50-100	
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	50-100	
								AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	6	0-50, 50-100	Flyover
								ABDU	American Black Duck	*Anas rubripes*	---	---	---	S5B,S5N	1	50-100	
								NOHA	Northern Harrier	*Circus hudsonius*	---	---	---	S4B,S4S5M	1	0-50	Male hunting
								HAWO	Hairy Woodpecker	*Dryobates villosus*	---	---	---	S5	1	0-50	On powerpole
16-Apr-24	Point Count	8	8:16	10 mins	6:19	Light breeze (6-11 km/h)	Vegetated area adjacent to road, mixedwood trees with alder thickets	AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	4	0-50, 50-100	
								PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	14	0-50, 100+	Flyover
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	50-100	
								AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	2	100+	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	1	100+	

Date	Survey Type	Location	Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise	Weather	Habitat Description	Species Code	Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	S-Rank	Number	Distance (m)	Notes
16-Apr-24	Point Count	9	8:00	10 mins	6:19	Gentle breeze (12-19 km/h)	Barren habitat with grasses and some regen, sloped, predominantly bare ground	AMCR	American Crow	*Turdus migratorius*	---	---	---	S5	4	0-50	Flyover
								SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	4	0-50, 50-100 m, 100m +	
								PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	4	100+	
								RWBL	Red-winged Blackbird	*Agelaius phoeniceus*	---	---	---	S4B	4	0-50	Flyover
16-Apr-24	Point Count	10	7:46	10 mins	6:19	Light breeze (6-11 km/h)	Disturbed area inbetween main road and shoreline, graminoid and rock cover, some regen present	SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	4	0-50, 50-100, 100m +	
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	0-50	
								PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	13	50 - 100	Flyover
								AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	1	100+	
								HERG	Herring Gull	*Larus argentatus*	---	---	---	S5	4	0-50	Flyover
								GBBG	Great Black-backed Gull	*Larus marinus*	---	---	---	S4S5	2	0-50	Flyover
								WWCR	White-winged Crossbill	*Loxia leucoptera*	---	---	---	S4S5	2	0-50	Flyover
								RBGU	Ring-billed Gull	*Larus delawarensis*	---	---	---	SUB,S5N	2	0-50	Flyover
								EUST	European Starling	*Sturnus vulgaris*	---	---	---	SNA	4	0-50	Flyover
Round 2																	
17-May-24	Point Count	1	8:16	10 mins	5:35	9-15 degrees Celsius, Calm (0 km/h), No precipitation	Along pipeline road, adjacent to mixedwood habitat and waterbody	BOCH	Boreal Chickadee	*Poecile hudsonicus*	---	---	---	S3	1	0-50	Heavy fog rolling in.
								MAWA	Magnolia Warbler	*Setophaga magnolia*	---	---	---	S5B	1	0-50	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5B, S5M	1	100+	
								AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	2	0-100	
								PAWA	Palm Warbler	*Setophaga palmarum*	---	---	---	S5B	1	100+	
								DEJU	Dark-eyed Junco	*Junco hyemalis*	---	---	---	S4S5	1	0-50	
								BHVI	Blue-headed Vireo	*Vireo solitarius*	---	---	---	S5B	1	100	
								GCKI	Golden-crowned Kinglet	*Regulus satrapa*	---	---	---	S5	1	50-100	
								PAWA	Palm Warbler	*Setophaga palmarum*	---	---	---	S5B	1	100+	
								TRES	Tree Swallow	*Tachycineta bicolor*	---	---	---	S4B	1	50-100	
								COYE	Common Yellowthroat	*Geothlypis trichas*	---	---	---	S5B	1	100+	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	1	50-100	
								AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	1	100+	
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	100+	
								BAWW	Black-and-White Warbler	*Mniotilta varia*	---	---	---	S5B	1	0-50	
								GRYE	Greater Yellowlegs	*Tringa melanoleuca*	---	---	---	S3B,S4M	1	50-100	

Date	Survey Type	Location	Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise	Weather	Habitat Description	Species Code	Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	S-Rank	Number	Distance (m)	Notes
17-May-24	Point Count	2	7:55	10 mins	5:35	Light air (2–5 km/h)	Along pipeline road, open canopy, little to no vegetation on road, adjacent to mixedwood forest	COYE	Common Yellowthroat	*Geothlypis trichas*	---	---	---	S5B	1	100+	Heavy fog rolling in.
								DEJU	Dark-eyed Junco	*Junco hyemalis*	---	---	---	S4S5	1	100+	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	1	50-100	
								BTNW	Black-throated Green Warbler	*Setophaga virens*	---	---	---	S5B	2	100+	
								CAGO	Canada Goose	*Branta canadensis*	---	---	---	SUB,S4N,S5M	1	100+	
								AMRE	American Redstart	*Setophaga ruticilla*	---	---	---	S5B	1	0	Fly over
								MAWA	Magnolia Warbler	*Setophaga magnolia*	---	---	---	S5B	2	100+	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	1	100+	
								GRYE	Greater Yellowlegs	*Tringa melanoleuca*	---	---	---	S3B,S4M	1	50-100	
17-May-24	Point Count	3	7:38	10 mins	5:35	Calm (0 km/h)	Parking lot to pipeline, open area adjacent to mixedwood wetland habitat and watercourse, predominantly bare ground	BAWW	Black-and-White Warbler	*Mniotilta varia*	---	---	---	S5B	1	50-100	
								BHVI	Blue-headed Vireo	*Vireo solitarius*	---	---	---	S5B	2	50+	
								COYE	Common Yellowthroat	*Geothlypis trichas*	---	---	---	S5B	3	50+	
								TRES	Tree Swallow	*Tachycineta bicolor*	---	---	---	S4B	3	50-100	
								COLO	Common Loon	*Gavia immer*	---	---	---	S4B	1	100+	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	1	100+	
								AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	1	100+	
								AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	1	100+	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	1	100+	
								AMRE	American Redstart	*Setophaga ruticilla*	---	---	---	S5B	1	50-100	
								BLJA	Blue Jay	*Cyanocitta cristata*	---	---	---	S5	2	100+	
17-May-24	Point Count	4	6:27	10 mins	5:35	Light air (2–5 km/h)	Prevoiusly clear-cut, open area with shrubs	COYE	Common Yellowthroat	*Geothlypis trichas*	---	---	---	S5B	3	0-50	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	3	50-100, 100+	
								BAWW	Black-and-White Warbler	*Mniotilta varia*	---	---	---	S5B	1	50-100	
								SWSP	Swamp Sparrow	*Melospiza georgiana*	---	---	---	S5B	2	50-100, 100+	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	2	100+	
								PAWA	Palm Warbler	*Setophaga palmarum*	---	---	---	S5B	1	50-100	
								BHVI	Blue-headed Vireo	*Vireo solitarius*	---	---	---	S5B	1	100+	
								LISP	Lincoln's Sparrow	*Melospiza lincolnii*	---	---	---	S4B,S5M	1	100+	
								BCCH	Black-capped Chickadee	*Poecile atricapillus*	---	---	---	S5	1	100+	
								BOCH	Boreal Chickadee	*Poecile hudsonicus*	---	---	---	S3	1	50-100	
								CAGO	Canada Goose	*Branta canadensis*	---	---	---	SUB,S4N,S5M	1	0	Fly over
								MAWA	Magnolia Warbler	*Setophaga magnolia*	---	---	---	S5B	1	50-100	
								BTNW	Black-throated Green Warbler	*Setophaga virens*	---	---	---	S5B	1	50-100	
								GRYE	Greater Yellowlegs	*Tringa melanoleuca*	---	---	---	S3B,S4M	1	100+	
17-May-24	Point Count	5	6:54	10 mins	5:35	Light air (2–5 km/h)	Barren area with bramble vegetation and deciduous shrubs	WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	2	100+	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	1	50-100	
								HETH	Hermit Thrush	*Catharus guttatus*	---	---	---	S5B	1	50-100	
								MAWA	Magnolia Warbler	*Setophaga magnolia*	---	---	---	S5B	1	100+	
								PISI	Pine Siskin*	*Spinus pinus*	---	---	---	S3	1	0	Fly over
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	2	50-100	
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	100+	
								LISP	Lincoln's Sparrow	*Melospiza lincolnii*	---	---	---	S4B,S5M	1	100+	
								BTNW	Black-throated Green Warbler	*Setophaga virens*	---	---	---	S5B	1	100+	
								BAWW	Black-and-White Warbler	*Mniotilta varia*	---	---	---	S5B	1	50-100	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	2	0-50	
								SWTH	Swainson's Thrush	*Catharus ustulatus*	---	---	---	S4B,S5M	1	0-50	

Date	Survey Type	Location	Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise	Weather	Habitat Description	Species Code	Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	S-Rank	Number	Distance (m)	Notes
17-May-24	Point Count	6	7:19	10 mins	5:35	Calm (0 km/h)	Open area near anthropogenic structures, bramble and graminoid vegetations, predominantly bare ground	OSPR	Osprey	*Pandion haliaetus*	---	---	---	S4S5B,S5M	2	0-50	Heavy fog. Ospreys nest on nest stand.
								LEFL	Least Flycatcher	*Empidonax minimus*	---	---	---	S4S5B,S5M	1	0-50	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	1	100+	
								BHVI	Blue-headed Vireo	*Vireo solitarius*	---	---	---	S5B	1	100+	
								MAWA	Magnolia Warbler	*Setophaga magnolia*	---	---	---	S5B	2	50-100	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	2	100+	
								COLO	Common Loon	*Gavia immer*	---	---	---	S4B	1	100+	
								HETH	Hermit Thrush	*Catharus guttatus*	---	---	---	S5B	1	100+	
								SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	3	50-100	
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	50-100	
								PAWA	Palm Warbler	*Setophaga palmarum*	---	---	---	S5B	1	50-100	
								NOPA	Northern Parula	*Setophaga americana*	---	---	---	S5B	1	50-100	
								AMRE	American Redstart	*Setophaga ruticilla*	---	---	---	S5B	1	0-50	
17-May-24	Point Count	7	5:53	10 mins	5:35	Calm (0 km/h)	Open area near helicopter pad, adjacent to waterbody, bramble and graminoid vegetations, predominantly bare ground	COYE	Common Yellowthroat	*Geothlypis trichas*	---	---	---	S5B	2	100+	Heavy fog rolling in.
								AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	1	100+	
								SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	3	50+	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	1	100+	
								DEJU	Dark-eyed Junco	*Junco hyemalis*	---	---	---	S4S5	1	100+	
								LEFL	Least Flycatcher	*Empidonax minimus*	---	---	---	S4S5B,S5M	1	50-100	
								BCCH	Black-capped Chickadee	*Poecile atricapillus*	---	---	---	S5	1	50-100	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	2	100+	
								NOFL	Northern Flicker	*Colaptes auratus*	---	---	---	S5B	1	100+	
								DEJU	Dark-eyed Junco	*Junco hyemalis*	---	---	---	S4S5	2	0	Fly over
								CAGO	Canada Goose	*Branta canadensis*	---	---	---	SUB,S4N,S5M	2	100+	
								HETH	Hermit Thrush	*Catharus guttatus*	---	---	---	S5B	1	100+	
								LISP	Lincoln's Sparrow	*Melospiza lincolnii*	---	---	---	S4B,S5M	1	100+	
								GRYE	Greater Yellowlegs	*Tringa melanoleuca*	---	---	---	S3B,S4M	1	50-100	
17-May-24	Point Count	8	8:52	10 mins	5:35	Calm (0 km/h)	Open area with barren characteristic, bramble and graminoid vegetation, some bare ground	LISP	Lincoln's Sparrow	*Melospiza lincolnii*	---	---	---	S4B,S5M	1	50-100	
								NOHA	Northern Harrier	*Circus hudsonius*	---	---	---	S4B,S4S5M	1	50-100	
								COYE	Common Yellowthroat	*Geothlypis trichas*	---	---	---	S5B	2	100+	
								SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	2	100+	
								YRWA	Yellow-rumped Warbler	*Setophaga coronata*	---	---	---	S5B	3	100+	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	3	25+	
								HERG	Herring Gull	*Larus argentatus*	---	---	---	S5	4	100+	

Date	Survey Type	Location	Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise	Weather	Habitat Description	Species Code	Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	S-Rank	Number	Distance (m)	Notes
17-May-24	Point Count	9	5:34	10 mins	5:35	Calm (0 km/h)	Barren habitat with grasses and some regen, sloped, predominantly bare ground	NOHA	Northern Harrier	*Circus hudsonius*	---	---	---	S4B,S4S5M	1	50-100	
								COLO	Common Loon	*Gavia immer*	---	---	---	S4B	1	100+	
								AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	4	0-50	
								COYE	Common Yellowthroat	*Geothlypis trichas*	---	---	---	S5B	3	25+	
								LISP	Lincoln's Sparrow	*Melospiza lincolnii*	---	---	---	S4B,S5M	2	100+	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	1	100+	
								SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	1	100+	
								PAWA	Palm Warbler	*Setophaga palmarum*	---	---	---	S5B	3	25+	
								AMGO	American Goldfinch	*Spinus tristis*	---	---	---	S5	1	25+	
								AMRO	American Robin	*Turdus migratorius*	---	---	---	S5B,S3N	1	0	Fly over
								SAVS	Savannah Sparrow	*Passerculus sandwichensis*	---	---	---	S4S5B,S5M	3	0-50	
								COME	Common Merganser	*Mergus merganser*	---	---	---	S5B,S4N	2	0+	
								BTNW	Black-throated Green Warbler	*Setophaga virens*	---	---	---	S5B	1	100+	
								HETH	Hermit Thrush	*Catharus guttatus*	---	---	---	S5B	1	100+	
17-May-24	Point Count	10	5:16	10 mins	5:35	Calm (0 km/h)	Disturbed area inbetween main road and shoreline, graminoid and rock cover, some regen present	HETH	Hermit Thrush	*Catharus guttatus*	---	---	---	S5B	1	100+	Heavy fog rolling in.
								SOSP	Song Sparrow	*Melospiza melodia*	---	---	---	S5B	1	100+	
								WTSP	White-throated Sparrow	*Zonotrichia albicollis*	---	---	---	S4S5	3	50+	
								COYE	Common Yellowthroat	*Geothlypis trichas*	---	---	---	S5B	3	100+	
								AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	1	0	Fly over
								COLO	Common Loon	*Gavia immer*	---	---	---	S4B	4	100+	
								HERG	Herring Gull	*Larus argentatus*	---	---	---	S5	2	100+	
								COME	Common Merganser	*Mergus merganser*	---	---	---	S5B,S4N	1	0	Fly over
								LISP	Lincoln's Sparrow	*Melospiza lincolnii*	---	---	---	S4B,S5M	1	100+	

Date	Survey Type	Location	Survey Start Time (24-hour)	Weather	Habitat Description	Species Code	Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	S-Rank	Number	Distance (m)	Bearing	Notes
Round 1																
15-Apr-24	Coastal Watch / Migratory Stopover	1	13:45	8-9 degrees Celsius, Gentle breeze (12–19 km/h), Light mist	Shoreline (open)	COLO	Common Loon	*Gavia immer*	---	---	---	S4B	1	25	SW	Swimming along shoreline
						HERR	Herring Gull	*Larus argentatus*	---	---	---	S5	5	75	SW	Landing and taking off from shoreline, some swimming
						ABDU	American Black Duck	*Anas rubripes*	---	---	---	S5B,S5N	2	50	SW	Pair swimming together
						GBBG	Great Black-backed Gull	*Larus marinus*	---	---	---	S4S5	2	150	SW	Swimming with eiders
						COEI	Common Eider	*Somateria mollissima*	---	---	---	S2B,S2N,S4M	10	150	SW	Diving and foraging for food in surf
						COLO	Common Loon	*Gavia immer*	---	---	---	S4B	3	100	SW	Hunting
						HERR	Herring Gull	*Larus argentatus*	---	---	---	S5	1	100	SW	Foraging in water
						RBME	Red-breasted Merganser	*Mergus serrator*	---	---	---	S3B,S4S5N,S5M	4	100	SW	Rafting
						AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	1	75	SW	Foraging on beach
						PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	3	10	SW	Singing and foraging
						RBGU	Ring-billed Gull	*Larus delawarensis*	---	---	---	SUB,S5N	4	100	SW	Foraging on beach
						WWCR	White-winged Crossbill	*Loxia leucoptera*	---	---	---	S4S5	2	10	SW	Singing and foraging
15-Apr-24	Coastal Watch / Migratory Stopover	2	14:45	8-9 degrees Celsius, Gentle breeze (12–19 km/h), Light mist	Shoreline (open)	COLO	Common Loon	*Gavia immer*	---	---	---	S4B	3	75	W	Hunting
						RBME	Red-breasted Merganser	*Mergus serrator*	---	---	---	S3B,S4S5N,S5M	5	50	W	Hunting
						AMCR	American Crow	*Corvus brachyrhynchos*	---	---	---	S5	1	100	W	Foraging on beach
						PISI	Pine Siskin	*Spinus pinus*	---	---	---	S3	5	25	W	Singing and foraging
						WWCR	White-winged Crossbill	*Loxia leucoptera*	---	---	---	S4S5	2	10	W	Singing and foraging
						RNGR	Red-necked Grebe	*Podiceps grisegena*	---	---	---	S4N	1	75	W	Hunting
						RBGU	Ring-billed Gull	*Larus delawarensis*	---	---	---	SUB,S5N	1	100	W	Foraging on beach
Round 2																
17-May-24	Coastal Watch / Migratory Stopover	1	12:05	13-14 degrees Celsius, Light breeze (6–11 km/h), No precipitation	Mixedwood vegetated area with forest trail	BEKI	Belted Kingfisher	*Megaceryle alcyon*	---	---	---	S4S5B	1	0-50	SW	
						COLO	Common Loon	*Gavia immer*	---	---	---	S4B	1	50-100	SW	
						GBHE	Great Blue Heron	*Ardea herodias*	---	---	---	S4B, S4S5M	1	100+	SW	
						WILL	Willet	*Tringa semipalmata*	---	---	---	S3B	1	50-100	SW	
						SPSA	Spotted Sandpiper	*Actitis macularius*	---	---	---	S3S4M, S5M	1	50-100	SW	
						GRYE	Greater Yellowlegs	*Tringa melanoleuca*	---	---	---	S3B, S4M	1	50-100	SW	
17-May-24	Coastal Watch / Migratory Stopover	2	12:44	13-14 degrees Celsius, Light breeze (6–11 km/h), No precipitation	Disturbed, open area with vegetated brambles	GBBG	Great Black-backed Gull	*Larus marinus*	---	---	---	S4S5	1	0-50	S	
						WILL	Willet	*Tringa semipalmata*	---	---	---	S3B	3	0-50	S	Pair - probable breeding
						SAVS	Savannah Sparrow	*Passerculus sandwichensis*	---	---	---	S4S5B, S5M	1	100+	S	

Note that breeding bird and fall migration survey data format will appear different due to changes in data collection methods during the 2024 field season.

Date	Survey Type	Location	Survey Start Time (Sunset was 19:59)	Weather	Habitat Description	Notes
15-04-24	Nocturnal Owl Survey	Owl 1	21:15	4-5 degrees Celsius, Gentle breeze (12–19 km/h), Light mist	Along the pipeline corridor surrounded by forested habitat and near wetland habitat.	No species observed
15-04-24	Nocturnal Owl Survey	Owl 2	20:50	Gentle breeze (12–19 km/h), Light mist	Barren/open habitat near roadside.	No species observed
15-04-24	Nocturnal Owl Survey	Owl 3	21:38	Gentle breeze (12–19 km/h), Light mist	Along highway coordior adjacent to forested habitat and coastline.	No species observed
15-04-24	Nocturnal Owl Survey	Owl 4	20:30	Gentle breeze (12–19 km/h), Light mist	Along pipeline cooridor adjacent to barren/open habitat and forested habitat.	No species observed
15-04-24	Nocturnal Owl Survey	Owl 5	22:02	Gentle breeze (12–19 km/h), Light mist	Forested habitat, near roadside.	No species observed

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)	Breeding Evidence Codes
			Wind Speed	Precipitation										
13-Jun-24	Point Count	BB11	Calm (0 km/h)	None	5:19	10 minutes	5:19	Transmission line with low shrub cover, bordered by dense softwoods and fallen woody debris.	SWTH	Swainson's Thrush	*Catharus ustulatus*	1	0-50	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									COLO	Common Loon	*Gavia immer*	1	100+	Possible - S
									BEKI	Belted Kingfisher	*Megaceryle alcyon*	1	50-100	Possible - S
									CORA	Common Raven	*Corvus corax*	2	50-100	Possible - S
									AMCR	American Crow	*Corvus brachyrhynchos*	2	0-50	Possible - H
									AMCR	American Crow	*Corvus brachyrhynchos*	2	Flyover	
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	Possible - S
									DEJU	Dark-eyed Junco	*Junco hyemalis*	1	0-50	Possible - S
									WIWR	Winter Wren	*Troglodytes hiemalis*	1	50-100	Possible - S
									COTE	Common Tern	*Sterna hirundo*	2	50-100	Possible - S
13-Jun-24	Point Count	BB03	Calm (0 km/h)	None	6:18	10 minutes	5:19	Wetland complex - fen bordered by treed swamp. Softwood dominant with stunted black spruce (*Picea mariana*) and tamarack (*Larix laricina*). Pockets of open water, diverse graminoids, and mudflat areas.	COGR	Common Grackle	*Quiscalus quiscula*	5	0-50	Possible - H
									COGR	Common Grackle	*Quiscalus quiscula*	5	Flyover	
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	1	50-100	Possible - S
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	Possible - S
									AMRO	American Robin	*Turdus migratorius*	2	0-50	Possible - S
									AMRO	American Robin	*Turdus migratorius*	2	Flyover	
									DEJU	Dark-eyed Junco	*Junco hyemalis*	2	0-50	Possible - S
									SWTH	Swainson's Thrush	*Catharus ustulatus*	1	50-100	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									PAWA	Palm Warbler	*Setophaga palmarum*	1	0-50	Possible - S
									PUFI	Purple Finch	*Haemorhous purpureus*	1	0-50	Possible - H
									AMCR	American Crow	*Corvus brachyrhynchos*	1	0-50	Possible - H
13-Jun-24	Point Count	BB02	Light air (2-5 km/h)	None	7:15	10 minutes	5:19	Wetland complex - fen with treed swamp edge. Black spruce (*Picea mariana*) dominant. Graminoids abundant, open mud flats.	NAWA	Nashville Warbler	*Leiothlypis ruficapilla*	1	0-50	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	50-100	
									AMRO	American Robin	*Turdus migratorius*	1	50-100	Possible - S
									DEJU	Dark-eyed Junco	*Junco hyemalis*	1	50-100	Possible - S
									BAWW	Black-and-white Warbler	*Mniotilta varia*	1	0-50	Possible - S
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	Possible - S
									LEFL	Least Flycatcher	*Empidonax minimus*	1	0-50	Possible - S
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	Possible - S
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	1	50-100	Possible - S
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	2	50-100	Possible - S
									BCCH	Black-capped Chickadee	*Poecile atricapillus*	1	0-50	Possible - S
13-Jun-24	Point Count	BB01	Light air (2-5 km/h)	None	7:52	10 minutes	5:19	Wetland complex - fen with treed swamp edge. Black spruce (*Picea mariana*), tamarack (*Larix laricina*), balsam fir (*Abies balsamea*). Open water present, lots of graminoids.	WIWR	Winter Wren	*Troglodytes hiemalis*	1	0-50	Possible - S
									NAWA	Nashville Warbler	*Leiothlypis ruficapilla*	1	0-50	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									BAWW	Black-and-white Warbler	*Mniotilta varia*	2	0-50	Possible - S
									YBFL	Yellow-bellied Flycatcher	*Empidonax flaviventris*	1	0-50	Possible - S
									BLJA	Blue Jay	*Cyanocitta cristata*	1	0-50	Possible - S
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	Possible - S
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	Possible - S
									SWTH	Swainson's Thrush	*Catharus ustulatus*	1	50-100	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	Possible - S
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	1	0-50	Possible - S

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)	Breeding Evidence Codes
			Wind Speed	Precipitation										
13-Jun-24	Point Count	BB04	Light air (2-5 km/h)	None	9:04	10 minutes	5:19	Upland edge of treed swamp. Balsam fir (*Abies balsamea*), red spruce (*Picea rubens*) and black spruce (*Picea mariana*) dominant, red maple (*Acer rubrum*) scattered. Mountain holly (*Ilex mucronata*) and sheep laurel (*Kalmia angustifolia*) in shrub layer, bunchberry (*Cornus canadensis*) abundant in the herbaceous layer. Cleared trail cuts through nearby.	COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									REVI	Red-eyed Vireo	*Vireo olivaceus*	1	0-50	Possible - S
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	2	0-50	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	Possible - S
									NAWA	Nashville Warbler	*Leiothlypis ruficapilla*	1	0-50	Possible - S
									GRCA	Grey Catbird	*Dumetella carolinensis*	1	0-50	Possible - S
									YBFL	Yellow-bellied Flycatcher	*Empidonax flaviventris*	1	0-50	Possible - S
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	Possible - S
									BHVI	Blue-headed Vireo	*Vireo solitarius*	1	0-50	Possible - S
									BOCH	Boreal Chickadee	*Poecile hudsonicus*	1	0-50	Possible - S
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	Possible - S
									BCCH	Black-capped Chickadee	*Poecile atricapillus*	2	0-50	Possible - S
13-Jun-24	Point Count	BB05	Light breeze (6-11 km/h)	None	9:25	10 minutes	5:19	Very dense, young softwood dominant mixedwood. Cleared in the past.	YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50	Possible - S
									BTNW	Black-throated Green Warbler	*Setophaga virens*	1	0-50	Possible - S
									WILL	Willet	*Tringa semipalmata*	1	100+	Possible - S
									BAWW	Black-and-white Warbler	*Mniotilta varia*	1	0-50	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	Possible - S
									CORA	Common Raven	*Corvus corax*	2	50-100	Possible - S
									BBWA	Bay-breasted Warbler	*Setophaga castanea*	1	0-50	Possible - S
									AMGO	American Goldfinch	*Spinus tristis*	1	0-50	Possible - S
									AMGO	American Goldfinch	*Spinus tristis*	1	Flyover	
13-Jun-24	Coastal Watch / Migratory Stopover (Area Search)	AS2	Moderate breeze (20-28 km/h)	None	10:55	60 minutes	5:19	Coastal beach with rocky shore, some sand. Area between beach and road is covered in low shrubs. Some introduced plants noted along the shore.	WILL	Willet	*Tringa semipalmata*	1	0-50	Possible - S
									HERG	Herring Gull	*Larus argentatus*	5	0-50	Possible - H
									HERG	Herring Gull	*Larus argentatus*	10	50-100	
									HERG	Herring Gull	*Larus argentatus*	12	Flyover	
									RBGU	Ring-billed Gull	*Larus delawarensis*	5	50-100	Possible - H
									RBGU	Ring-billed Gull	*Larus delawarensis*	4	Flyover	
									COLO	Common Loon	*Gavia immer*	1	100+	Possible - H
									COLO	Common Loon	*Gavia immer*	1	Flyover	
									DCCO	Double-crested Cormorant	*Nannopterum auritum*	1	100+	Possible - H
									DCCO	Double-crested Cormorant	*Nannopterum auritum*	1	Flyover	
									SOSP	Song Sparrow	*Melospiza melodia*	3	0-50	Possible - S
									BARS	Barn Swallow	*Hirundo rustica*	3	0-50	Possible - H
									NOGA	Northern Gannet	*Morus bassanus*	1	100+	Possible - H
									COEI	Common Eider	*Somateria mollissima*	1	100+	Possible - H
									YWAR	Yellow Warbler	*Setophaga petechia*	1	0-50	Possible - S
									COTE	Common Tern	*Sterna hirundo*	3	0-50	Possible - S
									COTE	Common Tern	*Sterna hirundo*	2	50-100	
13-Jun-24	Coastal Watch / Migratory Stopover (Area Search)	AS1	Light breeze (6-11 km/h)	None	12:50	60 minutes	5:19	Protected cove with narrow shoreline consisting primarily of rocks and gravel. Some patches of graminoids but otherwise little to no vegetation up to the tree line. Red spruce (*Picea rubens*) dominant along edge.	BEKI	Belted Kingfisher	*Megaceryle alcyon*	1	50-100	Possible - S
									BEKI	Belted Kingfisher	*Megaceryle alcyon*	1	Flyover	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	2	50-100	Possible - S
									HERG	Herring Gull	*Larus argentatus*	1	0-50	Possible - H
									HERG	Herring Gull	*Larus argentatus*	1	50-100	
									SPSA	Spotted Sandpiper	*Actitis macularius*	1	50-100	Possible - S
									COGR	Common Grackle	*Quiscalus quiscula*	1	0-50	Possible - H
									COGR	Common Grackle	*Quiscalus quiscula*	1	Flyover	
									COTE	Common Tern	*Sterna hirundo*	1	100+	Possible - H
									AMGO	American Goldfinch	*Spinus tristis*	1	0-50	Possible - S
									AMGO	American Goldfinch	*Spinus tristis*	1	Flyover	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	100+	Possible - H
									BLSC	Black Scoter	*Melanitta americana*	1	50-100	Possible - H
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)	Breeding Evidence Codes
			Wind Speed	Precipitation										
14-Jun-24	Point Count	BB12	Calm (0 km/h)	None	5:40	10 minutes	5:19	Lake with shrub swamp at edges, transitioning to treed swamp. Shrub edge dominated by leatherleaf (*Chamaedaphne calyculata*), sweet gale (*Myrica gale*), and graminoids. Black spruce (*Picea mariana*) and tamarack (*Larix laricina*) dominant in tree layer.	WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	100+	
									ALFL	Alder Flycatcher	*Empidonax alnorum*	2	0-50	Possible - S
									BAWW	Black-and-white Warbler	*Mniotilta varia*	2	0-50	Possible - S
									COLO	Common Loon	*Gavia immer*	1	100+	Possible - S
									COGR	Common Grackle	*Quiscalus quiscula*	5	0-50	Possible - S
									COGR	Common Grackle	*Quiscalus quiscula*	3	Flyover	
									NAWA	Nashville Warbler	*Leiothlypis ruficapilla*	1	0-50	Possible - S
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	Possible - S
									HETH	Hermit Thrush	*Catharus guttatus*	1	100+	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	Possible - S
									YBFL	Yellow-bellied Flycatcher	*Empidonax flaviventris*	1	0-50	Possible - S
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	1	0-50	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50	Possible - S
									DEJU	Dark-eyed Junco	*Junco hyemalis*	1	0-50	Possible - S
									WILL	Willet	*Tringa semipalmata*	1	0-50	Possible
									PAWA	Palm Warbler	*Setophaga palmarum*	1	50-100	Possible - S
14-Jun-24	Point Count	BB10	Light breeze (6-11 km/h)	Light mist	6:31	10 minutes	5:19	Rocky shore next to road. Adjacent to clearing that is regenerating with *Alnus* spp., red spruce (*Picea rubens*), and other low vegetation.	SOSP	Song Sparrow	*Melospiza melodia*	1	0-50	Possible - S
									SOSP	Song Sparrow	*Melospiza melodia*	1	50-100	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	50-100	
									ALFL	Alder Flycatcher	*Empidonax alnorum*	1	0-50	Possible - S
									COLO	Common Loon	*Gavia immer*	1	100+	Possible - S
									AMGO	American Goldfinch	*Spinus tristis*	2	0-50	Possible - S
									AMGO	American Goldfinch	*Spinus tristis*	2	Flyover	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	Possible - S
									CORA	Common Raven	*Corvus corax*	1	0-50	Possible - S
14-Jun-20	Point Count	BB09	Light breeze (6-11 km/h)	None	6:55	10 minutes	5:19	Clearcut regenerating with low shrubs and herbaceous vegetation - *Rubus* spp., *Solidago* spp., *Picea* spp., saplings, etc.	COYE	Common Yellowthroat	*Geothlypis trichas*	2	0-50	Possible - S
									YWAR	Yellow Warbler	*Setophaga petechia*	1	0-50	Possible - S
									COLO	Common Loon	*Gavia immer*	1	100+	Possible - S
									AMGO	American Goldfinch	*Spinus tristis*	3	0-50	Possible - S
									SOSP	Song Sparrow	*Melospiza melodia*	1	0-50	Possible - S
									SOSP	Song Sparrow	*Melospiza melodia*	1	50-100	
									CORA	Common Raven	*Corvus corax*	1	0-50	Possible - S
									ALFL	Alder Flycatcher	*Empidonax alnorum*	1	0-50	Possible - S
14-Jun-20	Point Count	BB06	Light air (2-5 km/h)	None	7:22	10 minutes	5:19	Dense softwood dominant forest with little herbaceous vegetation, red spruce (*Picea rubens*) dominant, red maple (*Acer rubrum*) and tamarack (*Larix laricina*) scattered. Wetland drainage on one side, likely from large wetland complex outside the study area.	OSPR	Osprey	*Pandion haliatus*	2	0-50	Confirmed - AE. Confirmed breeding - occupied nest on road near power lines
									COLO	Common Loon	*Gavia immer*	1	100+	Possible - S
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	Possible - S
									YWAR	Yellow Warbler	*Setophaga petechia*	1	0-50	Possible - S
									AMRO	American Robin	*Turdus migratorius*	1	50-100	Possible - S
									HETH	Hermit Thrush	*Catharus guttatus*	2	50-100	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	Possible - S
									AMRE	American Redstart	*Setophaga ruticilla*	1	0-50	Possible - S
14-Jun-20	Point Count	BB07	Light breeze (6-11 km/h)	None	7:48	10 minutes	5:19	Clearcut dominated by low deciduous shrubs.	ALFL	Alder Flycatcher	*Empidonax alnorum*	1	0-50	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	2	0-50	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	Possible - S
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	Possible - S
									SOSP	Song Sparrow	*Melospiza melodia*	1	0-50	Possible - S
									SOSP	Song Sparrow	*Melospiza melodia*	2	50-100	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	50-100	Possible - S

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)	Breeding Evidence Codes
			Wind Speed	Precipitation										
14-Jun-20	Point Count	BB08	Light air (2-5 km/h)	None	8:17	10 minutes	5:19	Highly disturbed wetland in clearcut. Cinnamon fern (*Osmundastrum cinnamomeum*), dwarf red raspberry (*Rubus pubescens*), *Carex* spp., *Eurybia* spp., and *Alnus* spp. Adjacent to small permanent watercourse that flows downhill to the road.	NOPA	Northern Parula	*Setophaga americana*	1	0-50	Possible - S
									COYE	Common Yellowthroat	*Geothlypis trichas*	2	0-50	Possible - S
									WILL	Willet	*Tringa semipalmata*	1	100+	Possible - S
									ALFL	Alder Flycatcher	*Empidonax alnorum*	1	0-50	Possible - S
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	Possible - S
									SWTH	Swainson's Thrush	*Catharus ustulatus*	1	0-50	Possible - S
									BHVI	Blue-headed Vireo	*Vireo solitarius*	1	0-50	Possible - S
									AMGO	American Goldfinch	*Spinus tristis*	2	0-50	Possible - S
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	Possible - S
04-Jul-24	Point Count	BB10	Light air (2-5 km/h)	None	7:19	10 minutes	5:25	Rocky shore next to road. Adjacent to clearing that is regenerating with *Alnus* spp., red spruce (*Picea rubens*), and other low vegetation.	COYE	Common Yellowthroat	*Geothlypis trichas*	3	0-50	Observed - X
									COYE	Common Yellowthroat	*Geothlypis trichas*	2	50-100	
									HETH	Hermit Thrush	*Catharus guttatus*	2	0-50	
									HETH	Hermit Thrush	*Catharus guttatus*	2	50-100	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	
									YWAR	Yellow Warbler	*Setophaga petechia*	1	0-50	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	
									SOSP	Song Sparrow	*Melospiza melodia*	2	0-50	
									AMCR	American Crow	*Corvus brachyrhynchos*	2	50-100	Observed - X
									BEKI	Belted Kingfisher	*Megaceryle alcyon*	1	50-100	
									NOFL	Northern Flicker	*Colaptes auratus*	2	0-50	
									NOFL	Northern Flicker	*Colaptes auratus*	1	100+	
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50	
									ALFL	Alder Flycatcher	*Empidonax alnorum*	1	50-100	
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	1	50-100	
04-Jul-24	Point Count	BB03	Calm (0 km/h)	None	7:29	10 minutes	5:25	Wetland complex - fen bordered by treed swamp. Softwood dominant with stunted black spruce (*Picea mariana*) and tamarack (*Larix laricina*). Pockets of open water, diverse graminoids, and mudflat areas.	DEJU	Dark-eyed Junco	*Junco hyemalis*	2	0-50	
									DEJU	Dark-eyed Junco	*Junco hyemalis*	1	50-100	
									COLO	Common Loon	*Gavia immer*	1	50-100	
									HETH	Hermit Thrush	*Catharus guttatus*	1	0-50	
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									NOCA	Northern Cardinal	*Cardinalis cardinalis*	1	0-50	
									NAWA	Nashville Warbler	*Leiothlypis ruficapilla*	1	0-50	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	
									HAWO	Hairy Woodpecker	*Dryobates villosus*	1	0-50	
									SWSP	Swamp Sparrow	*Melospiza georgiana*	1	0-50	
									AMRE	American Redstart	*Setophaga ruticilla*	1	0-50	
									RNDU	Ring-necked Duck	*Aythya collaris*	8	0-50	
									PAWA	Palm Warbler	*Setophaga palmarum*	1	0-50	
									YWAR	Yellow Warbler	*Setophaga petechia*	1	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	50-100	
04-Jul-24	Point Count	BB09	Calm (0 km/h)	None	7:52	10 minutes	5:25	Clearcut regenerating with low shrubs and herbaceous vegetation - *Rubus* spp., *Solidago* spp., *Picea* spp., saplings, etc.	AMCR	American Crow	*Corvus brachyrhynchos*	3	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	2	0-50	
									ALFL	Alder Flycatcher	*Empidonax alnorum*	2	0-50	
									NOPA	Northern Parula	*Setophaga americana*	1	0-50	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									HETH	Hermit Thrush	*Catharus guttatus*	1	0-50	
									HETH	Hermit Thrush	*Catharus guttatus*	3	50-100	
									MODO	Mourning Dove	*Zenaida macroura*	1	0-50	
									CORA	Common Raven	*Corvus corax*	1	0-50	
									SAVS	Savannah Sparrow	*Passerculus sandwichensis*	1	0-50	
									SOSP	Song Sparrow	*Melospiza melodia*	1	0-50	
									RECR	Red Crossbill	*Loxia curvirostra*	1	50-100	

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			Wind Speed	Precipitation										
04-Jul-24	Point Count	BB02	Calm (0 km/h)	None	7:55	10 minutes	5:25	Wetland complex - fen with treed swamp edge. Black spruce (*Picea mariana*) dominant. Graminoids abundant, open mud flats.	GRYE	Greater Yellowlegs	*Tringa melanoleuca*	2	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									PAWA	Palm Warbler	*Setophaga palmarum*	1	0-50	
									NAWA	Nashville Warbler	*Leiothlypis ruficapilla*	1	0-50	
									DEJU	Dark-eyed Junco	*Junco hyemalis*	1	0-50	
									NOFL	Northern Flicker	*Colaptes auratus*	1	0-50	
									SWSP	Swamp Sparrow	*Melospiza georgiana*	1	0-50	
									REVI	Red-eyed Vireo	*Vireo olivaceus*	1	0-50	
									YWAR	Yellow Warbler	*Setophaga petechia*	1	0-50	
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50	
									HAWO	Hairy Woodpecker	*Dryobates villosus*	1	0-50	
									CHSP	Chipping Sparrow	*Spizella passerina*	1	0-50	
04-Jul-24	Point Count	BB01	Calm (0 km/h)	None	8:22	10 minutes	5:25	Wetland complex - fen with treed swamp edge. Black spruce (*Picea mariana*), tamarack (*Larix laricina*), balsam fir (*Abies balsamea*). Open water present, lots of graminoids.	GRYE	Greater Yellowlegs	*Tringa melanoleuca*	1	0-50	
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	1	50-100	
									DEJU	Dark-eyed Junco	*Junco hyemalis*	1	0-50	
									CORA	Common Raven	*Corvus corax*	1	50-100	
									ALFL	Alder Flycatcher	*Empidonax alnorum*	1	0-50	
									ROPI	Rock Pigeon	*Columba livia*	3	0-50	
									LEFL	Least Flycatcher	*Empidonax minimus*	1	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	
									BAWW	Black-and-white Warbler	*Mniotilta varia*	1	0-50	
									BEKI	Belted Kingfisher	*Megaceryle alcyon*	1	0-50	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									HETH	Hermit Thrush	*Catharus guttatus*	1	0-50	
									YWAR	Yellow Warbler	*Setophaga petechia*	1	0-50	
04-Jul-24	Point Count	BB08	Calm (0 km/h)	None	8:37	10 minutes	5:25	Highly disturbed wetland in clearcut. Cinnamon fern (*Osmundastrum cinnamomeum*), dwarf red raspberry (*Rubus pubescens*), *Carex* spp., *Eurybia* spp., and *Alnus* spp. Adjacent to small permanent watercourse that flows downhill to the road.	SOSP	Song Sparrow	*Melospiza melodia*	2	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	100+	
									NOPA	Northern Parula	*Setophaga americana*	1	0-50	
									NOPA	Northern Parula	*Setophaga americana*	1	50-100	
									AMGO	American Goldfinch	*Spinus tristis*	1	0-50	
									LISP	Lincoln's Sparrow	*Melospiza lincolnii*	1	0-50	
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50	
									AMRE	American Redstart	*Setophaga ruticilla*	1	0-50	
									AMRO	American Robin	*Turdus migratorius*	1	0-50	
04-Jul-24	Point Count	BB04	Light air (2-5 km/h)	None	9:02	10 minutes	5:25	Upland edge of treed swamp. Balsam fir (*Abies balsamea*), red spruce (*Picea rubens*) and black spruce (*Picea mariana*) dominant, red maple (*Acer rubrum*) scattered. Mountain holly (*Ilex mucronata*) and sheep laurel (*Kalmia angustifolia*) in shrub layer, bunchberry (*Cornus canadensis*) abundant in the herbaceous layer. Cleared trail cuts through nearby.	NOFL	Northern Flicker	*Colaptes auratus*	1	0-50	
									ALFL	Alder Flycatcher	*Empidonax alnorum*	1	0-50	
									NAWA	Nashville Warbler	*Leiothlypis ruficapilla*	1	0-50	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	
									PAWA	Palm Warbler	*Setophaga palmarum*	1	0-50	
									AMRO	American Robin	*Turdus migratorius*	1	0-50	
									AMRO	American Robin	*Turdus migratorius*	1	50-100	
									HETH	Hermit Thrush	*Catharus guttatus*	1	0-50	
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	1	0-50	
									SOSP	Song Sparrow	*Melospiza melodia*	1	0-50	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	0-50	

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			Wind Speed	Precipitation										
04-Jul-24	Point Count	BB07	Calm (0 km/h)	None	9:20	10 minutes	5:25	Clearcut dominated by low deciduous shrubs.	NOFL	Northern Flicker	*Colaptes auratus*	1	50-100	
									SOSP	Song Sparrow	*Melospiza melodia*	2	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	50-100	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	0-50	
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50	
									SWSP	Swamp Sparrow	*Melospiza georgiana*	1	0-50	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									DEJU	Dark-eyed Junco	*Junco hyemalis*	1	0-50	
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100	
04-Jul-24	Point Count	BB11	Light air (2-5 km/h)	None	9:21	10 minutes	5:25	Transmission line with low shrub cover, bordered by dense softwoods and fallen woody debris.	HERG	Herring Gull	*Larus argentatus*	3	0-50	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	
									YWAR	Yellow Warbler	*Setophaga petechia*	1	0-50	
									AMRO	American Robin	*Turdus migratorius*	2	0-50	
									NOPA	Northern Parula	*Setophaga americana*	1	0-50	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	0-50	
04-Jul-24	Point Count	BB06	Calm (0 km/h)	None	9:33	10 minutes	5:25	Dense softwood dominant forest with little herbaceous vegetation, red spruce (*Picea rubens*) dominant, red maple (*Acer rubrum*) and tamarack (*Larix laricina*) scattered. Wetland drainage on one side, likely from large wetland complex outside the study area.	OSPR	Osprey	*Pandion haliatus*	1	100+	Confirmed breeding - occupied nest on road near power lines
									BLJA	Blue Jay	*Cyanocitta cristata*	1	0-50	
									NOPA	Northern Parula	*Setophaga americana*	1	0-50	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	0-50	
									SOSP	Song Sparrow	*Melospiza melodia*	1	50-100	
									HETH	Hermit Thrush	*Catharus guttatus*	1	0-50	
									AMGO	American Goldfinch	*Spinus tristis*	1	0-50	
									AMRO	American Robin	*Turdus migratorius*	1	0-50	
									BTNW	Black-throated Green Warbler	*Setophaga virens*	1	0-50	
									OVEN	Ovenbird	*Seiurus aurocapilla*	1	0-50	
									RCKI	Ruby-crowned Kinglet	*Corthylio calendula*	1	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	
									SWSP	Swamp Sparrow	*Melospiza georgiana*	1	0-50	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	
04-Jul-24	Point Count	BB04	Calm (0 km/h)	None	9:43	10 minutes	5:25		COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	0-50	
									AMRO	American Robin	*Turdus migratorius*	1	0-50	
									AMRO	American Robin	*Turdus migratorius*	1	50-100	
									YWAR	Yellow Warbler	*Setophaga petechia*	2	0-50	
									BCCH	Black-capped Chickadee	*Poecile atricapillus*	1	0-50	
									RBNU	Red-breasted Nuthatch	*Sitta canadensis*	1	0-50	
									MODO	Mourning Dove	*Zenaida macroura*	1	0-50	
									SOSP	Song Sparrow	*Melospiza melodia*	1	0-50	
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	1	0-50	
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50	

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			Wind Speed	Precipitation										
04-Jul-24	Point Count	BB12	Calm (0 km/h)	None	11:36	10 minutes	5:25	Lake with shrub swamp at edges, transitioning to treed swamp. Shrub edge dominated by leatherleaf (*Chamaedaphne calyculata*), sweet gale (*Myrica gale*), and graminoids. Black spruce (*Picea mariana*) and tamarack (*Larix laricina*) dominant in tree layer.	COYE	Common Yellowthroat	*Geothlypis trichas*	2	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	50-100	
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50	
									HETH	Hermit Thrush	*Catharus guttatus*	1	0-50	
									NOFL	Northern Flicker	*Cola[tes auratus*	1	100+	
									RNBNU	Red-breasted Nuthatch	*Sitta canadensis*	1	50-100	
									BAWW	Black-and-white Warbler	*Mniotilta varia*	1	0-50	
									DEJU	Dark-eyed Junco	*Junco hyemalis*	1	0-50	
									OVEN	Ovenbird	*Seiurus aurocapilla*	1	100+	
									AMRO	American Robin	*Turdus migratorius*	1	50-100	
									MODO	Mourning Dove	*Zenaida macroura*	1	100+	
									AMCR	American Crow	*Corvus brachyrhynchos*	1	Flyover	
									PAWA	Palm Warbler	*Setophaga palmarum*	1	0-50	
									BAEA	Bald Eagle	*Haliaeetus leucocephalus*	1	Flyover	
									AMGO	American Goldfinch	*Spinus tristis*	1	50-100	
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100	
									BCCH	Black-capped Chickadee	*Poecile atricapillus*	1	0-50	
04-Jul-24	Coastal Watch / Migratory Stopover (Area Search)	AS2	Light breeze (6-11 km/h)	None	12:10	1 hour	5:25	Coastal beach with rocky shore, some sand. Area between beach and road is covered in low shrubs. Some introduced plants noted along the shore.	COLO	Common Loon	*Gavia immer*	1	0-50	
									COYE	Common Yellowthroat	*Geothlypis trichas*	4	0-50	
									CAGO	Canada Goose	*Branta canadensis*	15	0-50	Confirmed - FY
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	7	0-50	
									WILL	Willet	*Tringa semipalmata*	1	0-50	
									GBBG	Great Black-backed Gull	*Larus marinus*	1	0-50	
									HERG	Herring Gull	*Larus argentatus*	2	0-50	Confirmed - NY
									HERG	Herring Gull	*Larus argentatus*	2	Flyover	
									ABDU	American Black Duck	*Anas rubripes*	10	0-50	Confirmed - FY
									SPSA	Spotted Sandpiper	*Actitis macularius*	3	0-50	
									COTE	Common Tern	*Sterna hirundo*	1	0-50	
									DCCO	Double-crested Cormorant	*Nannopterum auritum*	4	50-100	Confirmed - NY
									COME	Common Merganser	*Mergus merganser*	2	0-50	
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50	

*Conservation (COSEWIC, SARA, and ESA) and ACCDC S-Ranks for each species are listed in the baseline report.

Date	Survey Type	Location	Weather Conditions	Survey Start Time (Sunset was 20:55)	Habitat Description	Notes
Round 1						
12-06-24	Nightjar	Nightjar 1	13 degrees Celsius, Light air (2-5 km/h), No precipitation	20:35	On pipeline surrounded by alders and young regenerating softwoods [red spruce (*Picea rubens*) and tamarack (*Larix laricina*) dominant]. Small open clearing at the end of the access road. Wetland complex within proximity.	No Nightjar species observed
12-06-24	Nightjar	Nightjar 2	Light air (2-5 km/h), No precipitation	21:06	Cleared area bordered by low shrubs (alders abundant).	No Nighjar species observed*
12-06-24	Nightjar	Nightjar 3	Light air (2-5 km/h), No precipitation	21:35	Roadside along the water. Dense mixedwood on the forested side.	No Nighjar species observed
12-06-24	Nightjar	Nightjar 4	Light air (2-5 km/h), No precipitation	21:56	Rocky shore next to road. Adjacent to clearing regenerating with Alnus species, red spruce (*Picea rubens*), and other low vegetation.	No Nighjar species observed
12-06-24	Nightjar	Nightjar 5	12 degrees Celsius, Light air (2-5 km/h), No precipitation	22:15	Roadside, softwood dominant on one side, deciduous shrubs on the other.	No Nighjar species observed
Round 2						
15-07-24	Nightjar	Nightjar 1	21 degrees Celsius, Light air (2-5 km/h), No precipitation	20:23	Young renerating softwood forest dominated by Picea species and a good amount of tamarack (*Larix laricina*). Lots of low herbaceous vegeation cover and shrubs in disturbed areas.	No Nightjar species observed
15-07-24	Nightjar	Nightjar 2	Gentle breeze (12-19 km/h), No precipitation	20:36	Heavily disturbed woodland habitat near transmission line.	No Nighjar species observed
15-07-24	Nightjar	Nightjar 3	Gentle breeze (12-19 km/h), No precipitation	20:49	Roadside along the water. Dense mixedwood on the forested side.	No Nighjar species observed
15-07-24	Nightjar	Nightjar 4	Gentle breeze (12-19 km/h), No precipitation	21:06	Rocky shore next to road. Adjacent to clearing regenerating with Alnus species, red spruce (*Picea rubens*), and other low vegetation.	No Nighjar species observed
15-07-24	Nightjar	Nightjar 5	18 degrees Celsius, Light breeze (6-11 km/h), No precipitation	21:17	Roadside, softwood dominant on one side, deciduous shrubs on the other.	No Nighjar species observed

*A common loon (*Gavia immer*, ACCDC S4B) was heard vocalizing in the distance at this location.

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)
			Wind Speed	Precipitation									
16-Aug-24	Diurnal Watch	DW02	Light breeze (6-11 km/h)	Rain	6:30	1.5 hours	6:09	Rocky cove with little tidal pool and open oceanic bay. Some coastal scrub and black spruce.	BLGU	Black Guillemot	*Cepphus grylle*	3	100+m
									PUFI	Purple Finch	*Haemorhous purpureus*	1	Flyover
									NOFL	Northern Flicker	*Colaptes auratus*	1	100+m
									BTNW	Black-throated Green Warbler	*Setophaga virens*	1	Flyover
									CORA	Common Raven	*Corvus corax*	2	100+m
									HERG	Herring Gull	*Larus argentatus*	40	100+m
									DCCO	Double-crested Cormorant	*Phalacrocorax auritus*	30	100+m
									BBWA	Bay-breasted Warbler	*Setophaga castanea*	1	Flyover
									OSPR	Osprey	*Pandion haliaetus*	2	100+m
									BAEA	Bald Eagle	*Haliaeetus leucocephalus*	3	100+m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	2	50-100m
									SAVS	Savannah Sparrow	*Passerculus sandwichensis*	1	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	1	0-50m
									SWSP	Swamp Sparrow	*Melospiza georgiana*	4	0-50m
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	Flyover
									GBBG	Great Black-backed Gull	*Larus marinus*	1	50-100m
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	5	50-100m
									BOGU	Bonaparte's Gull	*Chroicocephalus philadelphia*	1	100+m
									SUSC	Surf Scoter	*Melanitta perspicillata*	14	100+m
									RTLO	Red-throated Loon	*Gavia stellata*	1	100+m
									COYE	Common Yellowthroat	*Geothlypis trichas*	7	0-50m
									COLO	Common Loon	*Gavia immer*	11	100+m
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	1	50-100m
									AMRO	American Robin	*Turdus migratorius*	2	100+m
16-Aug-24	Point Count	PC10	Gentle breeze (12-19 km/h)	Rain	7:34	10 min	6:09	Coastal scrub with disturbed, flattened habitat that was cleared a decade ago, so young second growth was abundant. This habitat bordered on some conifers on the edge of the project area.	AMRE	American Redstart	*Setophaga ruticilla*	1	50-100m
									OSPR	Osprey	*Pandion haliaetus*	1	50-100m
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	3	50-100m
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	2	50-100m
									BCCH	Black-capped Chickadee	*Poecile atricapillus*	2	50-100m
									SOSP	Song Sparrow	*Melospiza melodia*	11	0-50m
									SAVS	Savannah Sparrow	*Passerculus sandwichensis*	2	50-100m
									COYE	Common Yellowthroat	*Geothlypis trichas*	12	0-50m
									NOPA	Northern Parula	*Setophaga americana*	1	50-100m
									CANG	Canada Goose	*Branta canadensis*	2	50-100m
									MAWA	Magnolia Warbler	*Setophaga magnolia*	2	50-100m
									HERG	Herring Gull	*Larus argentatus*	13	100+m
									DCCO	Double-crested Cormorant	*Phalacrocorax auritus*	8	100+m
									AMRO	American Robin	*Turdus migratorius*	1	100+m
									AMCR	American Crow	*Corvus brachyrhynchos*	2	50-100m
									PUFI	Purple Finch	*Haemorhous purpureus*	1	50-100m
									CSWA	Chestnut-sided Warbler	*Setophaga pensylvanica*	1	50-100m
									CAWA	Canada Warbler	*Cardellina canadensis*	1	0-50m
									COLO	Common Loon	*Gavia immer*	19	100+m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	100+m

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)
			Wind Speed	Precipitation									
16-Aug-24	Point Count	PC07	Calm (0 km/h)	Light Rain	8:00	10 min	6:09	Turbine pad with low/stunted black spruce, and some quite nice patches of lush shrubbery.	SOSP	Song Sparrow	*Melospiza melodia*	5	0-50m
									SWSP	Swamp Sparrow	*Melospiza georgiana*	13	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	20	0-50m
									AMCR	American Crow	*Corvus brachyrhynchos*	1	50-100m
									AMRE	American Redstart	*Setophaga ruticilla*	2	50-100m
									YWAR	Yellow Warbler	*Setophaga petechia*	5	0-50m
									ALFL	Alder Flycatcher	*Empidonax alnorum*	2	0-50m
									BLJA	Blue Jay	*Cyanocitta cristata*	1	100+m
									SSHA	Sharp-shinned Hawk	*Accipiter striatus*	1	0-50m
									BBWA	Bay-breasted Warbler	*Setophaga castanea*	3	50-100m
									BAWW	Black-and-white Warbler	*Mniotilta varia*	2	0-50m
									OSPR	Osprey	*Pandion haliaetus*	2	50-100m
									CANG	Canada Goose	*Branta canadensis*	2	100+m
									MOWA	Mourning Warbler	*Geothlypis philadelphia*	1	0-50m
									MAWA	Magnolia Warbler	*Setophaga magnolia*	3	0-50m
									HERG	Herring Gull	*Larus argentatus*	1	100+m
									NOFL	Northern Flicker	*Colaptes auratus*	1	50-100m
									AMGO	American Goldfinch	*Spinus tristis*	4	50-100m
									PUFI	Purple Finch	*Haemorhous purpureus*	2	50-100m
									SWTH	Swainson's Thrush	*Catharus ustulatus*	1	100+m
									HETH	Hermit Thrush	*Catharus guttatus*	2	100+m
16-Aug-24	Point Count	PC06	Calm (0 km/h)	None	8:27	10 min	6:09	Turbine pad with surrounding more mature forest to the west and more developed and higher shrubbery on both sides. There is a small wetland with a tiny patch of reeds that does not increase bird diversity by that much. It is not mature enough.	SOSP	Song Sparrow	*Melospiza melodia*	14	0-50m
									SWSP	Swamp Sparrow	*Melospiza georgiana*	5	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	12	0-50m
									ALFL	Alder Flycatcher	*Empidonax alnorum*	2	0-50m
									OSPR	Osprey	*Pandion haliaetus*	2	0-50m
									HETH	Hermit Thrush	*Catharus guttatus*	3	100+m
									AMGO	American Goldfinch	*Spinus tristis*	1	50-100m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50m
									GRCA	Grey Catbird	*Dumetella carolinensis*	2	0-50m
									REVI	Red-eyed Vireo	*Vireo olivaceus*	1	50-100m
									NOFL	Northern Flicker	*Colaptes auratus*	1	100+m
16-Aug-24	Point Count	PC03	Calm (0 km/h)	None	8:43	10 min	6:09	Upper turbine pad adjacent to raised powerline corridor. Impressive amounts of goldenrods and other flowering plants providing lots of food for sparrows and ground-bound birds on the gravelly surface. Forest mostly all spruce and fir, with a few interspersed birch.	PAWA	Palm Warbler	*Setophaga palmarum*	14	100+m
									HERG	Herring Gull	*Larus argentatus*	1	100+m
									ALFL	Alder Flycatcher	*Empidonax alnorum*	3	100+m
									CORA	Common Raven	*Corvus corax*	1	100+m
									NOFL	Northern Flicker	*Colaptes auratus*	1	100+m
									HETH	Hermit Thrush	*Catharus guttatus*	3	100+m
									LISP	Lincoln's Sparrow	*Melospiza lincolnii*	1	100+m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	2	0-50m
									MAWA	Magnolia Warbler	*Setophaga magnolia*	8	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	14	0-50m
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	2	100+m
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	5	50-100m
									AMGO	American Goldfinch	*Spinus tristis*	3	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	4	100+m
									AMRE	American Redstart	*Setophaga ruticilla*	1	0-50m
									CANG	Canada Goose	*Branta canadensis*	4	100+m
									PUFI	Purple Finch	*Haemorhous purpureus*	1	100+m
									BAWW	Black-and-white Warbler	*Mniotilta varia*	1	50-100m
									DEJU	Dark-eyed Junco	*Junco hyemalis*	7	100+m
									RBNU	Red-breasted Nuthatch	*Sitta canadensis*	1	100+m
16-Aug-24	Point Count	PC04	Calm (0 km/h)	None	9:21	10 min	6:09	Dense, uniform spruce and fir forest with zero edge habitat. Tall fern layer.	HETH	Hermit Thrush	*Catharus guttatus*	4	50-100m
									CAJA	Canada Jay	*Perisoreus canadensis*	1	50-100m
									AMCR	American Crow	*Corvus brachyrhynchos*	1	50-100m

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)
			Wind Speed	Precipitation									
16-Aug-24	Point Count	PC05	Calm (0 km/h)	None	9:37	10 min	6:09	Wetland with water-associated salix and ferns and alders, bordering on spruce forest, with quite a good diversity of vegetation.	MAWA	Magnolia Warbler	*Setophaga magnolia*	6	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	4	0-50m
									BTNW	Black-throated Green Warbler	*Setophaga virens*	2	0-50m
									CMWA	Cape May Warbler	*Setophaga tigrina*	1	0-50m
									AMRE	American Redstart	*Setophaga ruticilla*	3	0-50m
									HETH	Hermit Thrush	*Catharus guttatus*	5	0-50m
									SWTH	Swainson's Thrush	*Catharus ustulatus*	1	100+m
									REVI	Red-eyed Vireo	*Vireo olivaceus*	2	0-50m
									DEJU	Dark-eyed Junco	*Junco hyemalis*	12	0-50m
									BAWW	Black-and-white Warbler	*Mniotilta varia*	2	0-50m
									HERG	Herring Gull	*Larus argentatus*	1	Flyover
									CORA	Common Raven	*Corvus corax*	1	100+m
16-Aug-24	Point Count	PC08	Calm (0 km/h)	None	10:23	10 min	6:09	Little hill with trenches of blueberry and low bushes. Some reedy bits.	MAWA	Magnolia Warbler	*Setophaga magnolia*	1	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	6	0-50m
									AMRE	American Redstart	*Setophaga ruticilla*	4	0-50m
									BCCH	Black-capped Chickadee	*Poecile atricapillus*	1	50-100m
									HERG	Herring Gull	*Larus argentatus*	1	0-50m
									BHVI	Blue-headed Vireo	*Vireo solitarius*	1	50-100m
									SPSA	Spotted Sandpiper	Actitis macularius	1	100+m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	50-100m
									BEKI	Belted Kingfisher	*Megaceryle alcyon*	1	100+m
									LISP	Lincoln's Sparrow	*Melospiza lincolnii*	1	50-100m
									NOFL	Northern Flicker	*Colaptes auratus*	2	50-100m
									AMRO	American Robin	*Turdus migratorius*	1	Flyover
									AMGO	American Goldfinch	*Spinus tristis*	1	50-100m
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	1	Flyover
									NOHA	Northern Harrier	*Circus cyaneus*	1	50-100m
16-Aug-24	Point Count	PC09	Light breeze (6-11 km/h)	None	10:48	10 min	6:09	Flattened area from clearcutting. Quite low vegetation and some grassy disturbed patches around the ridge tops.	BOBO	Bobolink	*Dolichonyx oryzivorus*	1	Flyover
									AMRE	American Redstart	*Setophaga ruticilla*	1	50-100m
									BTNW	Black-throated Green Warbler	*Setophaga virens*	1	50-100m
									COYE	Common Yellowthroat	*Geothlypis trichas*	5	50-100m
									NOHA	Northern Harrier	*Circus cyaneus*	1	100+m
									CORA	Common Raven	*Corvus corax*	1	100+m
									BAWW	Black-and-white Warbler	*Mniotilta varia*	1	100+m
									SAVS	Savannah Sparrow	*Passerculus sandwichensis*	2	0-50m
16-Aug-24	Point Count	PC11	Light breeze (6-11 km/h)	None	11:25	10 min	6:09	Road edge with mixed woods on a steep hillside. A permanent but small stream flows down the hill and to the road edge in a tiny wetland. The ocean is partly visible.	YRWA	Yellow-rumped Warbler	*Setophaga coronata*	2	Flyover
									MODO	Mourning Dove	*Zenaida macroura*	1	50-100m
									OSPR	Osprey	*Pandion haliaetus*	1	100+m
									HERG	Herring Gull	*Larus argentatus*	4	100+m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	4	0-50m
									BEKI	Belted Kingfisher	*Megaceryle alcyon*	1	0-50m
									COLO	Common Loon	*Gavia immer*	9	100+m
									DCCO	Double-crested Cormorant	*Phalacrocorax auritus*	3	100+m
									BLGU	Black Guillemot	*Cepphus grylle*	1	50-100m
									RTHU	Ruby-throated Hummingbird	*Archilochus colubris*	1	0-50m
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	2	50-100m
									AMCR	American Crow	*Corvus brachyrhynchos*	5	100+m
16-Aug-24	Point Count	PC12	Gentle breeze (12-19 km/h)	None	12:24	10 min	6:09	Expansive wetland. A lake with zero shoreline and only one side flanking it had extensive healthy forest. The other sides had been more impacted by clearcutting.	AMGO	American Goldfinch	*Spinus tristis*	1	Flyover
									PAWA	Palm Warbler	*Setophaga palmarum*	2	50-100m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	50-100m
									ALFL	Alder Flycatcher	*Empidonax alnorum*	1	50-100m
									SSHA	Sharp-shinned Hawk	*Accipiter striatus*	1	100+m
									BOCH	Boreal Chickadee	*Poecile hudsonicus*	1	50-100m
									BCCH	Black-capped Chickadee	*Poecile atricapillus*	1	0-50m
									PUFI	Purple Finch	*Haemorhous purpureus*	2	50-100m
									BAEA	Bald Eagle	*Haliaeetus leucocephalus*	1	50-100m
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	2	50-100m
									COYE	Common Yellowthroat	*Geothlypis trichas*	3	0-50m

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)
			Wind Speed	Precipitation									
16-Aug-24	Point Count	PC01	Light breeze (6-11 km/h)	None	13:44	10 min	6:09	Powerline corridor with uniform spruce and fir forest on both sides. Some wildflowers and grass in semi-saturated ground under the powerlines themselves.	YRWA	Yellow-rumped Warbler	*Setophaga coronata*	3	50-100m
									AMRE	American Redstart	*Setophaga ruticilla*	2	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	4	0-50m
									NOFL	Northern Flicker	*Colaptes auratus*	1	100+m
									OSPR	Osprey	*Pandion haliaetus*	1	50-100m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	50-100m
									HETH	Hermit Thrush	*Catharus guttatus*	2	0-50m
									DEJU	Dark-eyed Junco	*Junco hyemalis*	2	50-100m
16-Aug-24	Point Count	PC02	Light breeze (6-11 km/h)	None	14:08	10 min	6:09	Slow moving stream, cultivating a rich and dynamic bog. Stunted spruce surrounding, and little permanent vegetated mud islands and causeways.	GBHE	Great Blue Heron	*Ardea herodias*	1	0-50m
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	1	100+m
									HETH	Hermit Thrush	*Catharus guttatus*	2	100+m
									BCCH	Black-capped Chickadee	*Poecile atricapillus*	1	50-100m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	Flyover
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	50-100m
									OSPR	Osprey	*Pandion haliaetus*	1	50-100m
									COYE	Common Yellowthroat	*Geothlypis trichas*	3	0-50m
									BOCH	Boreal Chickadee	*Poecile hudsonicus*	1	50-100m
16-Aug-24	Diurnal Watch	DW01	Light air (2-5 km/h)	None	15:30	1.5 hours	6:09	Rocky oceanic beach habitat with patches of coastal vegetation and a marsh on the opposite side of the causeway away from the ocean. Some edge habitat, but no undergrowth.	COYE	Common Yellowthroat	*Geothlypis trichas*	4	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	3	0-50m
									COTE	Common Tern	*Sterna hirundo*	1	100+m
									DCCO	Double-crested Cormorant	*Phalacrocorax auritus*	1	100+m
									COLO	Common Loon	*Gavia immer*	2	50-100m
									GRYE	Greater Yellowlegs	*Tringa melanoleuca*	2	50-100m
									SPSA	Spotted Sandpiper	*Actitis macularia*	1	0-50m
									BAEA	Bald Eagle	*Haliaeetus leucocephalus*	1	100+m
									AMGO	American Goldfinch	*Spinus tristis*	2	50-100m
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	4	50-100m
									AMRO	American Robin	*Turdus migratorius*	1	50-100m
									AMCR	American Crow	*Corvus brachyrhynchos*	2	50-100m
									HERG	Herring Gull	*Larus argentatus*	2	50-100m
									BLGU	Black Guillemot	*Cepphus grylle*	1	50-100m
									MERL	Merlin	*Falco columbarius*	1	50-100m
24-Sep-24	Point Count	PC10	Gentle Breeze (12-19 km/h)	None	7:08	10 min	6:56	Coastal scrub with disturbed, flattened habitat that was cleared a decade ago, so young second growth was abundant. This habitat bordered on some conifers on the edge of the project area.	COYE	Common Yellowthroat	*Geothlypis trichas*	3	0-50m
									AMGO	American Goldfinch	*Spinus tristis*	1	Flyover
									BCCH	Black-capped Chickadee	*Perisoreus canadensis*	4	100+m
									AMCR	American Crow	*Corvus brachyrhynchos*	5	100+m
									SAVS	Savannah Sparrow	*Passerculus sandwichensis*	8	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	1	0-50m
									LISP	Lincoln's Sparrow	*Melospiza lincolnii*	1	50-100m
									SWSP	Swamp Sparrow	*Melospiza georgiana*	1	Flyover
									MAWA	Magnolia Warbler	*Setophaga magnolia*	1	Flyover
									BLPW	Blackpoll Warbler	*Setophaga striata*	3	100+m
									CORA	Common Raven	*Corvus corax*	1	100+m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	Flyover
									PAWA	Palm Warbler	*Setophaga palmarum*	1	Flyover
									HERG	Herring Gull	*Larus argentatus*	15	100+m
									DCCO	Double-crested Cormorant	*Phalacrocorax auritus*	5	100+m
									GBBG	Great Black-backed Gull	*Larus marinus*	2	100+m
									COLO	Common Loon	*Gavia immer*	2	100+m
									COEI	Common Eider	*Somateria mollissima*	1	100+m

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)
			Wind Speed	Precipitation									
24-Sep-24	Point Count	PC09	Light Breeze (6-11 km/h)	None	7:22	10 min	6:56	Flattened area from clearcutting. Quite low vegetation and some grassy disturbed patches around the ridge tops.	SAVS	Savannah Sparrow	*Passerculus sandwichensis*	6	50-100m
									SWSP	Swamp Sparrow	*Melospiza georgiana*	2	50-100m
									SOSP	Song Sparrow	*Melospiza melodia*	6	50-100m
									WCSP	White-crowned Sparrow	*Zonotrichia leucophrys*	1	0-50m
									MAWA	Magnolia Warbler	*Setophaga magnolia*	2	0-50m
									BBWA	Bay-breasted Warbler	*Setophaga castanea*	1	Flyover
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	Flyover
									COYE	Common Yellowthroat	*Geothlypis trichas*	3	100+m
									BLJA	Blue Jay	*Cyanocitta cristata*	4	100+m
									AMCR	American Crow	*Corvus brachyrhynchos*	5	100+m
									PAWA	Palm Warbler	*Setophaga palmarum*	3	100+m
									BTNW	Black-throated Green Warbler	*Setophaga virens*	1	100+m
									HERG	Herring Gull	*Larus argentatus*	1	100+m
24-Sep-24	Point Count	PC08	Light Breeze (6-11 km/h)	None	7:35	10 min	6:56	Little hill with trenches of blueberry and low bushes. Some reedy bits.	AMRO	American Robin	*Turdus migratorius*	1	Flyover
									COYE	Common Yellowthroat	*Geothlypis trichas*	7	0-50m
									HETH	Hermit Thrush	*Catharus guttatus*	1	0-50m
									BTNW	Black-throated Green Warbler	*Setophaga virens*	1	50-100m
									LISP	Lincoln's Sparrow	*Melospiza lincolnii*	1	50-100m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	27	0-50m
									BLPW	Blackpoll Warbler	*Setophaga striata*	7	0-50m
									BOCH	Boreal Chickadee	*Poecile hudsonicus*	2	0-50m
									BCCH	Black-capped Chickadee	*Perisoreus canadensis*	2	0-50m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	4	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	3	0-50m
									DEJU	Dark-eyed Junco	*Junco hyemalis*	8	0-50m
									AMCR	American Crow	*Corvus brachyrhynchos*	5	0-50m
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	2	50-100m
									PUFI	Purple Finch	*Haemorhous purpureus*	1	Flyover
24-Sep-24	Point Count	PC07	Gentle Breeze (12-19 km/h)	None	7:56	10 min	6:56	Turbine pad with low/stunted black spruce, and some quite nice patches of lush shrubbery.	BLPW	Blackpoll Warbler	*Setophaga striata*	7	0-50m
									SWSP	Swamp Sparrow	*Melospiza georgiana*	9	50-100m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	Flyover
									COYE	Common Yellowthroat	*Geothlypis trichas*	6	50-100m
									CANG	Canada Goose	*Branta canadensis*	1	Flyover
									MAWA	Magnolia Warbler	*Setophaga magnolia*	2	0-50m
									AMCR	American Crow	*Corvus brachyrhynchos*	6	100+m
									SAVS	Savannah Sparrow	*Passerculus sandwichensis*	1	0-50m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	10	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	1	100+m
									REVI	Red-eyed Vireo	*Vireo olivaceus*	2	50-100m
									BLJA	Blue Jay	*Cyanocitta cristata*	2	50-100m
24-Sep-24	Point Count	PC06	Light Breeze (6-11 km/h)	None	8:09	10 min	6:56	Turbine pad with surrounding more mature forest to the west and more developed and higher shrubbery on both sides. There is a small wetland with a tiny patch of reeds that does not increase bird diversity by that much. It is not mature enough.	BLPW	Blackpoll Warbler	*Setophaga striata*	4	0-50m
									HAWO	Hairy Woodpecker	*Dryobates villosus*	1	100+m
									HETH	Hermit Thrush	*Catharus guttatus*	1	50-100m
									AMRO	American Robin	*Turdus migratorius*	2	50-100m
									COYE	Common Yellowthroat	*Geothlypis trichas*	11	50-100m
									SWSP	Swamp Sparrow	*Melospiza georgiana*	2	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	5	0-50m
									PUFI	Purple Finch	*Haemorhous purpureus*	2	0-50m
									NAWA	Nashville Warbler	*Leiothlypis ruficapilla*	1	0-50m
									BOCH	Boreal Chickadee	*Poecile hudsonicus*	2	0-50m
									AMCR	American Crow	*Corvus brachyrhynchos*	1	100+m
									REVI	Red-eyed Vireo	*Vireo olivaceus*	2	100+m
									BLJA	Blue Jay	*Cyanocitta cristata*	2	100+m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	4	0-50m
									DOWO	Downy Woodpecker	*Dryobates pubescens*	1	100+m

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)
			Wind Speed	Precipitation									
24-Sep-24	Point Count	PC03	Light Breeze (6-11 km/h)	None	8:24	10 min	6:56	Upper turbine pad adjacent to raised powerline corridor. Impressive amounts of goldenrods and other flowering plants providing lots of food for sparrows and ground-bound birds on the gravelly surface. Forest mostly all spruce and fir, with a few interspersed birch.	PAWA	Palm Warbler	*Setophaga palmarum*	11	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	8	0-50m
									BLPW	Blackpoll Warbler	*Setophaga striata*	6	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	15	0-50m
									AMRO	American Robin	*Turdus migratorius*	1	Flyover
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	2	0-50m
									SAVS	Savannah Sparrow	*Passerculus sandwichensis*	7	0-50m
									HAWO	Hairy Woodpecker	*Dryobates villosus*	1	50-100m
									GBHE	Great Blue Heron	*Ardea herodias*	1	Flyover
									BRCR	Brown Creeper	*Certhia americana*	1	50-100m
									BLJA	Blue Jay	*Cyanocitta cristata*	7	50-100m
									CAJA	Canada Jay	*Perisoreus canadensis*	1	0-50m
									BHVI	Blue-headed Vireo	*Vireo solitarius*	2	0-50m
									BOCH	Boreal Chickadee	*Poecile hudsonicus*	4	50-100m
									BCCH	Black-capped Chickadee	*Perisoreus canadensis*	6	0-50m
									RCKI	Ruby-crowned Kinglet	*Corthylio calendula*	1	0-50m
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	2	0-50m
24-Sep-24	Point Count	PC11	Light Breeze (6-11 km/h)	None	8:49	10 min	6:56	Road edge with mixed woods on a steep hillside. A permanent but small stream flows down the hill and to the road edge in a tiny wetland. The ocean is partly visible.	COLO	Common Loon	*Gavia immer*	4	100+m
									BLGU	Black Guillemot	*Cepphus grylle*	2	100+m
									HERG	Herring Gull	*Larus argentatus*	6	100+m
									AMCR	American Crow	*Corvus brachyrhynchos*	6	100+m
									SOSP	Song Sparrow	*Melospiza melodia*	1	0-50m
									SPSA	Spotted Sandpiper	*Actitis macularius*	1	0-50m
									BLJA	Blue Jay	*Cyanocitta cristata*	3	50-100m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	2	0-50m
									DEJU	Dark-eyed Junco	*Junco hyemalis*	10	0-50m
									BLPW	Blackpoll Warbler	*Setophaga striata*	2	0-50m
									PAWA	Palm Warbler	*Setophaga palmarum*	1	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	1	0-50m
									DCCO	Double-crested Cormorant	*Phalacrocorax auritus*	1	0-50m
									PISI	Pine Siskin	*Spinus pinus*	1	Flyover
									PUFI	Purple Finch	*Haemorhous purpureus*	1	Flyover
									SUSC	Surf Scoter	*Melanitta perspicillata*	57	100+m
									HOGR	Horned Grebe	*Podiceps auritus*	3	100+m
24-Sep-24	Diurnal Watch	DW01	Light Breeze (6-11 km/h)	None	9:10	12:00	6:56	Rocky oceanic beach habitat with patches of coastal vegetation and a marsh on the opposite side of the causeway away from the ocean. Some edge habitat, but no undergrowth.	SEPL	Semipalmated Plover	*Charadrius semipalmatus*	1	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	5	0-50m
									BLPW	Blackpoll Warbler	*Setophaga striata*	6	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	4	0-50m
									SWSP	Swamp Sparrow	*Melospiza georgiana*	2	0-50m
									AMPI	American Pipit	*Anthus rubescens*	2	Flyover
									ABDU	American Black Duck	*Anas rubripes*	2	0-50m
									WTSP	White-throated Sparrow	*Zonotrichia albicollis*	4	0-50m
									BTNW	Black-throated Green Warbler	*Setophaga virens*	4	Flyover
									BHVI	Blue-headed Vireo	*Vireo solitarius*	1	100+m
									HAWO	Hairy Woodpecker	*Dryobates villosus*	2	100+m
									NOFL	Northern Flicker	*Colaptes auratus*	3	100+m
									AMGO	American Goldfinch	*Spinus tristis*	3	Flyover
									PUFI	Purple Finch	*Haemorhous purpureus*	4	Flyover
									RECR	Red Crossbill	*Loxia curvirostra*	1	Flyover
									BLGU	Black Guillemot	*Cepphus grylle*	3	100+m
									AMCR	American Crow	*Corvus brachyrhynchos*	3	50-100m
									HERG	Herring Gull	*Larus argentatus*	6	0-50m
									MAWA	Magnolia Warbler	*Setophaga magnolia*	3	Flyover
									SOSP	Song Sparrow	*Melospiza melodia*	4	0-50m
									CEDW	Cedar Waxwing	*Bombycilla cedrorum*	2	Flyover
									BRCR	Brown Creeper	*Certhia americana*	1	100+m
									BARS	Barn Swallow	*Hirundo rustica*	1	0-50m
									BLJA	Blue Jay	*Cyanocitta cristata*	2	100+m
									SUSC	Surf Scoter	*Melanitta perspicillata*	1	100+m
									RNGR	Red-necked Grebe	*Podiceps grisegena*	2	100+m

Date	Survey Type	Location	Weather Conditions		Survey Start Time (24-hour)	Total Survey Time	Time of Sunrise (24-hour)	Habitat Description	Species Code	Common Name	Scientific Name	Number	Distance (m)
			Wind Speed	Precipitation									
24-Sep-24	Point Count	PC01	Gentle Breeze (12-19 km/h)	None	11:26	10 min	6:56	Powerline corridor with uniform spruce and fir forest on both sides. Some wildflowers and grass in semi-saturated ground under the powerlines themselves.	BLPW	Blackpoll Warbler	*Setophaga striata*	5	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	8	0-50m
									BCCH	Black-capped Chickadee	*Perisoreus canadensis*	5	0-50m
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	3	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	3	0-50m
24-Sep-24	Point Count	PC02	Light Breeze (6-11 km/h)	None	11:57	10 min	6:56	Slow moving stream, cultivating a rich and dynamic bog. Stunted spruce surrounding, and little permanent vegetated mud islands and causeways.	CAJA	Canada Jay	*Perisoreus canadensis*	1	50-100m
									AMCR	American Crow	*Corvus brachyrhynchos*	4	50-100m
									CORA	Common Raven	*Corvus corax*	1	100+m
									BTNW	Black-throated Green Warbler	*Setophaga virens*	1	Flyover
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	1	Flyover
									BCCH	Black-capped Chickadee	*Perisoreus canadensis*	1	0-50m
									ABDU	American Black Duck	*Anas rubripes*	1	Flyover
24-Sep-24	Point Count	PC04	Light Breeze (6-11 km/h)	None	13:05	10 min	6:56	Dense, uniform spruce and fir forest with zero edge habitat. Tall fern layer.	WTSP	White-throated Sparrow	*Zonotrichia albicollis*	1	0-50m
									DEJU	Dark-eyed Junco	*Junco hyemalis*	2	0-50m
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	4	0-50m
									BCCH	Black-capped Chickadee	*Perisoreus canadensis*	2	0-50m
									BOCH	Boreal Chickadee	*Poecile hudsonicus*	2	0-50m
									BLPW	Blackpoll Warbler	*Setophaga striata*	7	0-50m
									PAWA	Palm Warbler	*Setophaga palmarum*	1	0-50m
									AMRO	American Robin	*Turdus migratorius*	1	0-50m
24-Sep-24	Point Count	PC05	Light Air (2-5 km/h)	None	13:24	10 min	6:56	Wetland with water-associated salix and ferns and alders, bordering on spruce forest, with quite a good diversity of vegetation.	BLPW	Blackpoll Warbler	*Setophaga striata*	6	0-50m
									PAWA	Palm Warbler	*Setophaga palmarum*	1	0-50m
									BCCH	Black-capped Chickadee	*Perisoreus canadensis*	4	0-50m
									BOCH	Boreal Chickadee	*Poecile hudsonicus*	1	0-50m
									GCKI	Golden-crowned Kinglet	*Regulus satrapa*	3	0-50m
									RCKI	Ruby-crowned Kinglet	*Corthylio calendula*	1	0-50m
									SPGR	Spruce Grouse	*Canachites canadensis*	1	0-50m
24-Sep-24	Diurnal Watch	DW02	Light Breeze (6-11 km/h)	None	14:40	1.5 hours	6:56	Rocky cove with little tidal pool and open oceanic bay. Some coastal scrub and black spruce.	SWSP	Swamp Sparrow	*Melospiza georgiana*	3	0-50m
									SOSP	Song Sparrow	*Melospiza melodia*	4	0-50m
									COYE	Common Yellowthroat	*Geothlypis trichas*	2	0-50m
									YRWA	Yellow-rumped Warbler	*Setophaga coronata*	3	Flyover
									BLPW	Blackpoll Warbler	*Setophaga striata*	2	Flyover
									COLO	Common Loon	*Gavia immer*	2	0-50m
									DCCO	Double-crested Cormorant	*Phalacrocorax auritus*	6	100+m
									NOGA	Northern Gannet	*Morus bassanus*	7	100+m
									TUVU	Turkey Vulture	*Cathartes aura*	1	100+m
									BAEA	Bald Eagle	*Haliaeetus leucocephalus*	1	100+m
									HERG	Herring Gull	*Larus argentatus*	7	100+m
									GBBG	Great Black-backed Gull	*Larus marinus*	23	100+m
									LTDU	Long-tailed Duck	*Clangula hyemalis*	1	100+m
									SEPL	Semipalmated Plover	*Charadrius semipalmatus*	3	100+m
									SAVS	Savannah Sparrow	*Passerculus sandwichensis*	1	0-50m
									PESA	Pectoral Sandpiper	*Calidris melanotos*	1	100+m

Table 7: Avian Incidental Data - Nova Sustainable Fuels Renewable Energy Park *Project # 24-10412*

Species Code	Number	Survey Type	Date	Location	Latitude	Longitude	Notes
WWCR (White-winged Crossbill)	13	Spring Migration	17-05-24		45.182003	-61.627344	Flyover on the walk back from PC1.
CAWA (Canada Warbler) (SAR)	1	Breeding Bird	13-06-24		45.181638	-61.62355	Male singing in suitable breeding habitat.
BRCR (Brown Creeper)	1	Breeding Bird	13-06-24		45.1828	-61.625107	
CAWA (Canada Warbler) (SAR)	1	Breeding Bird	13-06-24		45.185049	-61.628926	Male singing in suitable breeding habitat.
GBHE (Great Blue Heron)	4	Breeding Bird	13-06-24		45.182219	-61.62806	Flew over pipeline towards wetland complex.
MOWA (Mourning Warbler)	1	Breeding Bird	13-06-24		45.172753	-61.629163	Male singing along trail through regenerating clearcut.
PUFI (Purple Finch)	1	Nightjar	12-06-24	NJ1	45.177173	-61.622696	Flyover
OSPR (Osprey)	1	Nightjar	12-06-24	NJ1	45.177168	-61.622629	Flyover
COLO (Common Loon)	1	Nightjar	12-06-24	NJ2	45.16938	-61.626502	
COLO (Common Loon)	1	Nightjar	12-06-24	NJ4	45.157948	-61.628184	Calling from water
COLO (Common Loon)	2	Nightjar	12-06-24	NJ5	45.187382	-61.647609	Pair calling to eachother in the distance
BOCH (Boreal Chickadee) (SOCI)	2	Breeding Bird	14-06-24		45.161671	-61.622194	
BHVI (Blue-headed Vireo)	1	Breeding Bird	04-07-24	PC8	45.165012	-61.636054	
OSPR (Osprey)	1	Nightjar	15-07-24		45.171408	-61.623051	Agitated adult perched on an anemometer on the turbine, then flying over the nest platform. Nest was neatly constructed but somewhat sparse. No sign of babies or the other parent. Potentially trying to nest late or again after failure.
NAWA (Nashville Warbler)	1	Nightjar	15-07-24	NJ 1	45.177666	-61.622523	
MAWA (Magnolia Warbler)	1	Nightjar	15-07-24	NJ 1	45.178312	-61.622855	
HETH (Hermit Thrush)	2	Nightjar	15-07-24	NJ 1	45.178315	-61.622856	
SWTH (Swainson's Thrush)	3	Nightjar	15-07-24	NJ 1	45.178321	-61.622854	
RBNU (Red-breasted Nuthatch)	1	Nightjar	15-07-24	NJ 1	45.178322	-61.622852	
AMRO (American Robin)	2	Nightjar	15-07-24	NJ 1	45.178307	-61.622867	
BAWW (Black-and-white Warbler)	1	Nightjar	15-07-24	NJ 1	45.178311	-61.622865	
PUFI (Purple Finch)	1	Nightjar	15-07-24	NJ 1	45.177978	-61.622612	
HETH (Hermit Thrush)	2	Nightjar	15-07-24	NJ 2	45.169	-61.633135	
COYE (Common Yellowthroat)	1	Nightjar	15-07-24	NJ 2	45.16901	-61.633103	
SWTH (Swainson's Thrush)	1	Nightjar	15-07-24	NJ 2	45.169009	-61.633104	
ALFL (Alder Flycatcher)	1	Nightjar	15-07-24	NJ 2	45.169009	-61.633105	
WTSP (White-throated Sparrow)	1	Nightjar	15-07-24	NJ 2	45.169008	-61.633105	
SOSP (Song Sparrow)	1	Nightjar	15-07-24	NJ 2	45.16901	-61.633101	
AMRE (American Redstart)	1	Nightjar	15-07-24	NJ 2	45.169028	-61.633081	
AMRO (American Robin)	1	Nightjar	15-07-24	NJ 2	45.169016	-61.633146	
HERG (Herring Gull)	1	Nightjar	15-07-24	NJ 2	45.169014	-61.633143	
HERG (Herring Gull)	1	Nightjar	15-07-24	NJ 4	45.158192	-61.62852	
COYE (Common Yellowthroat)	3	Nightjar	15-07-24	NJ 4	45.15821	-61.62853	
YWAR (Yellow Warbler)	1	Nightjar	15-07-24	NJ 4	45.15821	-61.62853	
MAWA (Magnolia Warbler)	2	Nightjar	15-07-24	NJ 4	45.158218	-61.628499	
SOSP (Song Sparrow)	2	Nightjar	15-07-24	NJ 4	45.158202	-61.628522	

Table 7: Avian Incidental Data - Nova Sustainable Fuels Renewable Energy Park *Project # 24-10412*

Species Code	Number	Survey Type	Date	Location	Latitude	Longitude	Notes
HETH (Hermit Thrush)	1	Nightjar	15-07-24	NJ 4	45.158203	-61.628521	
SWTH (Swainson's Thrush)	1	Nightjar	15-07-24	NJ 4	45.158205	-61.628519	
AMRO (American Robin)	2	Nightjar	15-07-24	NJ 4	45.158206	-61.628515	
AMRO (American Robin)	1	Nightjar	15-07-24	NJ 3	45.174753	-61.646956	
GCKI (Golden-crowned Kinglet)	1	Nightjar	15-07-24	NJ 3	45.174706	-61.646883	
HETH (Hermit Thrush)	1	Nightjar	15-07-24	NJ 3	45.174705	-61.646881	
HETH (Hermit Thrush)	2	Nightjar	15-07-24	NJ 5	45.187519	-61.647441	
NOHA (Northern Harrier)	1	Other (wetland delineation, botany, lichens, etc.)	25-07-24		45.183324	-61.616669	Male hunting.
BWHA (Broad-winged Hawk)	1	Other (wetland delineation, botany, lichens, etc.)	25-07-24		45.183324	-61.633336	Calling frequently (every 15 seconds or so). Followed observer for about 20 minutes. Possible nest nearby based on territorial behaviour.
OSPR (Osprey)	1	Other (wetland delineation, botany, lichens, etc.)	31-07-24		45.219449	-61.662483	
PEFA (Peregrine Falcon) (SAR)	1	Fall Migration	24-09-24		45.179726	-61.623895	Hunting warblers.
BOCH (Boreal Chickadee) (SOCI)	2	Other (wetland delineation, botany, lichens, etc.)	14-11-24		45.206757	-61.600135	Flying amongst WS BF regen. along road.

Survey Type	Location*	Habitat Class	Habitat Subclass (descriptions below)	Habitat Structure (descriptions below)	Habitat Modifications (descriptions below)	Habitat Description - Surveyor Notes
Breeding	AS1	CLASS G. Saltwater coastal sites	2	D,C	2,6	Protected cove with narrow shoreline. House directly across the water and small island to the west. Shoreline primarily rocks and gravel. Some patches of graminoids but otherwise little to no veg up to tree line. Red spruce dominant along edge.
Breeding	AS2	CLASS G. Saltwater coastal sites	2	D,F	2,8	Coastal beach with rocky shore, some sand. Fishing debris on shore and fishing boats observed nearby, bringing in large flock of gulls. Area between beach and road is covered in low shrubs, good sparrow habitat. Some introduced plants noted along shore.
Breeding	AS2	CLASS G. Saltwater coastal sites	2	D	8	
Breeding	BB01	CLASS E. Wetlands dominated by vegetation	1	A,C,G,I	1	Wetland complex - fen with treed swamp edge. Black spruce, tamarack, balsam fir. Open water present, lots of graminoids. Good shorebird feeding areas.
Breeding	BB02	CLASS E. Wetlands dominated by vegetation	1	A,C,G,I	1	Wetland complex - fen with treed swamp edge. Black spruce dominant. Graminoids abundant, open mud flats with good shorebird feeding areas.
Breeding	BB03	CLASS E. Wetlands dominated by vegetation	1	A,C,E,I,G	1	Very nice wetland complex - fen bordered by treed swamp. Softwood dominant with stunted black spruce and tamarack. Pockets of open water, diverse graminoids. Likely contains rare flora. Has some mudflat areas that offer good shorebird feeding.
Breeding	BB04	CLASS A. Woodland	3	C,I,L,M,D,K	2	Upland edge of treed swamp. Balsam fir, red/black spruce dominant, red maple scattered. Mountain holly and sheep laurel in shrub layer, bunchberry abundant in herb layer. Cleared trail cuts through nearby.
Breeding	BB05	CLASS A. Woodland	3	A,D	3	Very dense, young softwood dominant mixedwood. Cleared in the past.
Breeding	BB06	CLASS A. Woodland	2	C,H,I,D	2	Dense softwood dominant forest with little herbaceous veg, red spruce dominant, red maple and tamarack scattered. Wetland drainage on one side, likely from large wetland complex outside the study area. Occupied osprey nest on road near power lines (photo)
Breeding	BB06	CLASS A. Woodland	1	D,C,I,A		
Breeding	BB07	CLASS A. Woodland	0	N,M,L	3,5	Clearcut with helicopter pad, dominated by low deciduous shrubs.
Breeding	BB08	CLASS E. Wetlands dominated by vegetation	3	B	3	Highly disturbed wetland in clearcut. Cinnamon fern, dwarf raspberry, sedges, asters and alders. Adjacent to small permanent watercourse that flows downhill to the road.
Breeding	BB08	CLASS D. Human Sites	2	H,E	1	Shrubby grassland and cement pad, turbines in the distance
Breeding	BB08	CLASS E. Wetlands dominated by vegetation	3	B,A	10	Adjacent to watercourse anthropogenic with culvert, more like an old ditch, perhaps old farming land or old pasture
Breeding	BB09	CLASS A. Woodland	0	N,K	5,3	Clear cut regenerating with low shrubs and herbaceous veg - rubus, goldenrods, spruce saplings, etc.
Breeding	BB09	CLASS B. Grassland, Shrubland and Agriculture	1	L,F,M	1	
Breeding	BB10	CLASS G. Saltwater coastal sites	1	D,F	2,3	Rocky shore next to road. Adjacent to clearing regenerating with alders, red spruce, and other low veg. Could not see water due to dense fog.
Breeding	BB10	CLASS B. Grassland, Shrubland and Agriculture	2	F,G,B,J,M		
Breeding	BB11	CLASS D. Human Sites	2	H,E,C	8	Very steep slope up from road to transmission line. Transmission line with low shrub cover, bordered by dense softwoods and fallen woody debris. Did survey on transmission line for better visibility and to avoid climbing steep rocky slope.
Breeding	BB12	CLASS E. Wetlands dominated by vegetation	3	A,C,I	1	Lake with shrub swamp at edges, transitioning to treed swamp. Shrub edge dominated by leatherleaf, sweet gale and graminoids. Black spruce and tamarack dominant in tree layer.
Breeding	BB12	CLASS A. Woodland	1	A		
Nightjar	NJ 1	CLASS A. Woodland	2	A,L	5	Logan's notes : young regen softwood dominated by spruce and a good amount of tamarack. Lots of hop trefoil and scrubbiness in disturbed areas.
Nightjar	NJ 2	CLASS A. Woodland	2	A	3	
Nightjar	NJ 3	CLASS A. Woodland	2	C	1	

Survey Type	Location*	Habitat Class	Habitat Subclass (descriptions below)	Habitat Structure (descriptions below)	Habitat Modifications (descriptions below)	Habitat Description - Surveyor Notes
Nightjar	NJ 4	CLASS D. Human Sites	0	D	1	
Nightjar	NJ 5	CLASS A. Woodland	2	A	2	
Nightjar	NJ1	CLASS D. Human Sites	0	E,C	1,8	On pipeline surrounded by alders and young regenerating softwoods (Red spruce and tamarack dominant). Small open clearing at the end of the access road. Nice wetland complex within close proximity that could provide foraging habitat.
Nightjar	NJ2	CLASS D. Human Sites	0	E	1	Helicopter pad bordered by low shrubs (alders abundant) with nice open sky view and good vantage point. Doesn't look like great CONI nesting habitat, likely a bit too vegetated. Point moved slightly from down the road for better access and visibility.
Nightjar	NJ3	CLASS D. Human Sites	2	H,C,E	8	Roadside right along the water. Dense mixedwood on the forested side. Did survey from the road for better visibility of the open sky and to avoid entering dense forest at night. Narrow shoulder, recommend keeping four way flashers on.
Nightjar	NJ4	CLASS G. Saltwater coastal sites	1	D,F	3	Rocky shore next to road. Adjacent to clearing regenerating with alders, red spruce, and other low veg. Could not see water due to dense fog.
Nightjar	NJ5	CLASS D. Human Sites	2	H,C,A	2,8	Rural residential road, softwood dominant on one side, deciduous shrubs on the other. Houses close by. Very vegetated / doesn't look like suitable nesting habitat. Did survey from road for more open view of the sky.
Spring Migration	PC02	CLASS D. Human Sites	0	H	1	Pipeline road
Spring Migration	PC03	CLASS D. Human Sites	2	K,E,H	1,8	Pipeline parking lot.
Spring Migration	PC04	CLASS B. Grassland, Shrubland and Agriculture	2	G		Former clearcut mining area
Spring Migration	PC06	CLASS D. Human Sites	2	H,A,E,C,K	1,8	Three Small wind turbines present, and some fencing.
Spring Migration	PC07	CLASS B. Grassland, Shrubland and Agriculture	2	G,F	10	Helicopter pad present
Spring Migration	PC08	CLASS D. Human Sites	2	H,E,C	7,8	Former mine site, alder thicket
Spring Migration	PC10	CLASS G. Saltwater coastal sites	2	D,G,E	3,6	
Spring Migration	PC9	CLASS B. Grassland, Shrubland and Agriculture	2	G,J,L,F		Old mining site.

***AS = coastal watch/migratory stopover location, NJ = nightjar survey location, PC = point count survey location, and BB = breeding bird PC.**

Habitat Subclass	Number	Description	Habitat Class
HAB_SUBCLASS	0	Undefined	A
HAB_SUBCLASS	1	Deciduous	A
HAB_SUBCLASS	2	Coniferous	A
HAB_SUBCLASS	3	Mixed (> 10% each)	A
HAB_SUBCLASS	0	Undefined	B
HAB_SUBCLASS	1	Grassland	B
HAB_SUBCLASS	2	Shrubland	B
HAB_SUBCLASS	3	Tame (planted) grass	B
HAB_SUBCLASS	4	Tilled land (crop)	B
HAB_SUBCLASS	5	Overgrown / old field	B
HAB_SUBCLASS	6	Orchard	B
HAB_SUBCLASS	7	Vineyard	B
HAB_SUBCLASS	8	Native Grassland	B
HAB_SUBCLASS	9	Dunes	B
HAB_SUBCLASS	10	Coulees	B
HAB_SUBCLASS	0	Undefined	C
HAB_SUBCLASS	1	Dry vegetated tundra / meadow	C
HAB_SUBCLASS	2	Wet vegetated tundra / meadow	C
HAB_SUBCLASS	3	Mix of wet and dry tundra	C

Habitat Subclass	Number	Description	Habitat Class
HAB_SUBCLASS	4	Rock / gravel	C
HAB_SUBCLASS	5	Polygonal tundra	C
HAB_SUBCLASS	0	Undefined	D
HAB_SUBCLASS	1	Urban	D
HAB_SUBCLASS	2	Rural	D
HAB_SUBCLASS	3	Suburban	D
HAB_SUBCLASS	0	Undefined	E
HAB_SUBCLASS	1	Sedge / grass	E
HAB_SUBCLASS	2	Reeds /Cattail	E
HAB_SUBCLASS	3	Shrub	E
HAB_SUBCLASS	4	Moss	E
HAB_SUBCLASS	0	Undefined	F
HAB_SUBCLASS	1	Sheet water (shallow, temporary)	F
HAB_SUBCLASS	2	Pond / dugout (< 0.25 ha)	F
HAB_SUBCLASS	3	Small lake (0.25 - 5 ha)	F
HAB_SUBCLASS	4	Lake (> 5 ha)	F
HAB_SUBCLASS	5	Stream (< 3 m wide)	F
HAB_SUBCLASS	6	River (> 3 m wide)	F
HAB_SUBCLASS	7	Ditch with water	F
HAB_SUBCLASS	8	Canal with water	F
HAB_SUBCLASS	9	Quarry / mine with water	F
HAB_SUBCLASS	0	Undefined	G
HAB_SUBCLASS	1	Marine shore (open)	G
HAB_SUBCLASS	2	Marine shore (cove, inlet)	G
HAB_SUBCLASS	3	Estuarine shore	G
HAB_SUBCLASS	4	Brackish lagoon shore	G
HAB_SUBCLASS	5	Dykeland	G

Habitat Structure	Number	Description	Habitat Class
HAB_STRUCTURE	A	Young	A
HAB_STRUCTURE	B	Mature	A
HAB_STRUCTURE	C	Mixed age	A
HAB_STRUCTURE	D	Closed canopy	A
HAB_STRUCTURE	E	Open canopy	A
HAB_STRUCTURE	F	Parkland (trees scattered in grassy areas)	A
HAB_STRUCTURE	G	Wet/ Standing water present	A
HAB_STRUCTURE	H	Standing dead trees present	A
HAB_STRUCTURE	I	Fallen dead wood present	A
HAB_STRUCTURE	J	No understory	A
HAB_STRUCTURE	K	Grass, fern or herb layer present	A
HAB_STRUCTURE	L	Low (< 2m) shrub layer present	A
HAB_STRUCTURE	M	Tall (> 2m) shrub layer present	A
HAB_STRUCTURE	N	Very low (< 1m) shrub layer present	A
HAB_STRUCTURE	O	Old Growth	A
HAB_STRUCTURE	A	Hedgerow/Shelter Belt with trees	B
HAB_STRUCTURE	B	Hedgerow/Shelter Belt without trees	B
HAB_STRUCTURE	C	Tree line without hedge	B
HAB_STRUCTURE	D	Fence	B
HAB_STRUCTURE	E	Isolated group of trees	B

Habitat Structure	Number	Description	Habitat Class
HAB_STRUCTURE	F	Grass, fern or herb layer present	B
HAB_STRUCTURE	G	Low (< 2m) shrub layer present	B
HAB_STRUCTURE	H	Tall (> 2m) shrub layer present	B
HAB_STRUCTURE	I	Some wet / standing water present	B
HAB_STRUCTURE	J	Waterbody present	B
HAB_STRUCTURE	K	Predominately bare ground	B
HAB_STRUCTURE	L	Very low (< 1m) shrub layer present	B
HAB_STRUCTURE	M	Some non-native plants	B
HAB_STRUCTURE	A	Tall Shrub (e.g., willow)	C
HAB_STRUCTURE	B	Low shrub	C
HAB_STRUCTURE	C	Sedge / grass	C
HAB_STRUCTURE	D	Dwarf trees (e.g., spruce)	C
HAB_STRUCTURE	E	Predominately heath-lichen	C
HAB_STRUCTURE	F	Predominately bare ground	C
HAB_STRUCTURE	G	Some wet / standing water present	C
HAB_STRUCTURE	H	Waterbody present	C
HAB_STRUCTURE	I	Glacier / Ice	C
HAB_STRUCTURE	A	Buildings	D
HAB_STRUCTURE	B	Gardens	D
HAB_STRUCTURE	C	Treed	D
HAB_STRUCTURE	D	Not Treed	D
HAB_STRUCTURE	E	Shrubs	D
HAB_STRUCTURE	F	No shrubs	D
HAB_STRUCTURE	G	Natural vegetation patch	D
HAB_STRUCTURE	H	Near road (< 50 m)	D
HAB_STRUCTURE	I	Near active railway (< 50 m)	D
HAB_STRUCTURE	J	Abandoned railway	D
HAB_STRUCTURE	K	Bridge, culvert, utility pole	D
HAB_STRUCTURE	L	Lawn	D
HAB_STRUCTURE	A	Areas of open water	E
HAB_STRUCTURE	B	Entirely vegetated	E
HAB_STRUCTURE	C	Freshwater	E
HAB_STRUCTURE	D	Saltwater	E
HAB_STRUCTURE	E	Standing dead trees in water	E
HAB_STRUCTURE	F	Bog / Muskeg (rainwater as water source)	E
HAB_STRUCTURE	G	Fen (groundwater as water source)	E
HAB_STRUCTURE	H	Deciduous trees present	E
HAB_STRUCTURE	I	Coniferous trees present	E
HAB_STRUCTURE	J	Mixed deciduous and coniferous trees/ shrubs	E
HAB_STRUCTURE	K	Some non-native plants	E
HAB_STRUCTURE	A	No visible water flow	F
HAB_STRUCTURE	B	Slow running	F
HAB_STRUCTURE	C	Fast running	F
HAB_STRUCTURE	D	Emergent vegetation rim or patches	F
HAB_STRUCTURE	E	Trees standing in water	F
HAB_STRUCTURE	F	Oligotophic (clear, few weeds)	F
HAB_STRUCTURE	G	Eutrophic (green, many weeds)	F
HAB_STRUCTURE	H	Dystrophic (black, peat stained)	F
HAB_STRUCTURE	I	Sand shore	F

Habitat Structure	Number	Description	Habitat Class
HAB_STRUCTURE	J	Rock shore	F
HAB_STRUCTURE	K	Mud shore	F
HAB_STRUCTURE	L	Bank / Cliff	F
HAB_STRUCTURE	M	Artificial water body	F
HAB_STRUCTURE	A	Mud or silt shore	G
HAB_STRUCTURE	B	Sand shore	G
HAB_STRUCTURE	C	Gravel shore	G
HAB_STRUCTURE	D	Rock shore	G
HAB_STRUCTURE	E	Fully vegetated	G
HAB_STRUCTURE	F	Partly vegetated	G
HAB_STRUCTURE	G	Cliff / Bank	G

Habitat Modifications	Number	Description	Habitat Class
HAB_MOD	1	No Human disturbance	A
HAB_MOD	2	Human disturbance light to moderate	A
HAB_MOD	3	Human disturbance heavy	A
HAB_MOD	4	Plantation	A
HAB_MOD	5	Clearcut	A
HAB_MOD	6	Partially logged	A
HAB_MOD	7	No grazing	A
HAB_MOD	8	Grazing light to moderate	A
HAB_MOD	9	Grazing heavy	A
HAB_MOD	10	Human structure present	A
HAB_MOD	11	Recent burning	A
HAB_MOD	1	No grazing	B
HAB_MOD	2	Grazing light to moderate	B
HAB_MOD	3	Grazing heavy	B
HAB_MOD	4	Fallow	B
HAB_MOD	5	Grain Crop	B
HAB_MOD	6	Row crop	B
HAB_MOD	7	Hay crop	B
HAB_MOD	8	Other crop	B
HAB_MOD	9	Burned	B
HAB_MOD	10	Human structure present	B
HAB_MOD	11	Active farmyard	B
HAB_MOD	12	Abandoned farmyard / homestead	B
HAB_MOD	13	Power line corridor	B
HAB_MOD	14	Recently mowed	B
HAB_MOD	1	No Human disturbance	C
HAB_MOD	2	Human disturbance light to moderate	C
HAB_MOD	3	Human disturbance heavy	C
HAB_MOD	4	Human structure present	C
HAB_MOD	5	Damage due to geese grubbing	C
HAB_MOD	1	Industrial	D
HAB_MOD	2	Residential	D
HAB_MOD	3	Commercial (offices, stores)	D
HAB_MOD	4	Agricultural	D
HAB_MOD	5	Municipal park, cemetery, golf course	D
HAB_MOD	6	Landfill site	D

Habitat Modifications	Number	Description	Habitat Class
HAB_MOD	7	Bordered by grassland / farmland	D
HAB_MOD	8	Bordered by woodland	D
HAB_MOD	9	Bordered by urban area	D
HAB_MOD	1	No human disturbance	E
HAB_MOD	2	Human disturbance light to moderate	E
HAB_MOD	3	Human disturbance heavy	E
HAB_MOD	4	Actively managed (dam or weir)	E
HAB_MOD	5	Margin damaged	E
HAB_MOD	6	Human structure present	E
HAB_MOD	7	Bordered by grassland / farmland	E
HAB_MOD	8	Bordered by woodland	E
HAB_MOD	9	Bordered by urban area	E
HAB_MOD	10	Adjacent to water body	E
HAB_MOD	1	No human disturbance	F
HAB_MOD	2	Human disturbance light to moderate	F
HAB_MOD	3	Human disturbance heavy	F
HAB_MOD	4	Actively managed (dam or weir)	F
HAB_MOD	5	Margin damaged	F
HAB_MOD	6	Human structure present	F
HAB_MOD	7	Bordered by grassland / farmland	F
HAB_MOD	8	Bordered by woodland	F
HAB_MOD	9	Bordered by urban area	F
HAB_MOD	1	No human disturbance	G
HAB_MOD	2	Human disturbance light to moderate	G
HAB_MOD	3	Human disturbance heavy	G
HAB_MOD	5	Margin damaged	G
HAB_MOD	6	Human structure present	G
HAB_MOD	7	Bordered by grassland / farmland	G
HAB_MOD	8	Bordered by woodland	G
HAB_MOD	9	Bordered by urban area	G

APPENDIX O
ARIA CONFIRMATION

NOVA SCOTIA
Communities, Culture, Tourism and Heritage
Special Places Protection

1747 Summer Street, 2nd Floor
Halifax, Nova Scotia, Canada B3H 3A6
902-424-6450 T
SPP@novascotia.ca E

March 21, 2025

Laura de Boer
Davis MacIntyre & Associates Limited
109 John Stewart Avenue
Dartmouth, Nova Scotia
B2W 4J7

Dear Laura de Boer,

RE: Heritage Research Permit Report
A2024NS178 – Goldboro Lands

We have received and reviewed the final report on work conducted under the terms of Heritage Research Permit A2024NS178 – Goldboro Lands Project in Guysborough County, Nova Scotia in 2022.

As part of the design for the future development of the Goldboro Lands, Davis Archaeological Consultants Ltd. had been retained to conduct archaeological resource impact assessments (ARIAs) for the proposed development area in 2004, 2007, 2008 & 2009. Archaeological methods and available technology have both advanced in the twenty years since the original assessment was conducted, as well as inclusion of predictive modelling that incorporates temporal geomorphological changes across a landscape, coupled with increased research and understanding of Mi'kmaw connections to the landscape and watercourses helps to inform the prediction of L'nuk cultural resource potential. Because of this Strum Consulting, working for Simply Blue Group Sustainable Fuels Canada, retained Davis MacIntyre & Associates Limited (DM&A) to conduct an ARIA for the proposed development area in 2024. This ARIA covered a study area with an approximate area of 327 ha, and involved Mi'kmaq engagement, background study, a review of past work conducted in the area, field reconnaissance, and a review of Underwater Benthic Habitat Survey footage.

Background study indicates that the area surrounding the proposed development area has been home to the Mi'kmaq for millennia and continued during Colonization. Evidence of long-term use and occupation of the area by the Mi'kmaq is evidenced by traditional knowledge, historical documentation placing the Mi'kmaq in the area during the time of colonization, and archaeological evidence. European settlement began in the 17th-century. Nearby Issac's harbour is named after the 19th century inhabitant of the area, Issac Webb, a Black Loyalist settler. A review of Underwater Benthic Habitat Survey footage revealed no signs of submerged shorelines, shipwrecks, or other potential archaeological resources.

Field reconnaissance showed the terrain to be characterized by varied terrain that included sloping to level, naturally rocky terrain, with low wet areas of bog and swamp. Areas of flattened and infilled land, with terraced and machine-made slopes with little or no topsoil were described throughout parts of the assessment area. Approximately 60% of the assessment area is recently harvested forest. Numerous mine shafts were noted throughout the proposed development area, as well as extreme overgrowth of vegetation; some areas could not be traversed due to safety concerns involving open mine shafts covered by overgrowth. Disturbance from forestry, mining, prospecting, and skidders was noted throughout. Seven (7) areas of elevated potential for encountering L'nuk archaeological resources were identified during the assessment. Fifty-two (52) historic cultural features were identified, twenty-eight (28) of which were considered significant and had recommendations for mitigation.

Based on the above DM&A concluded that at High Potential 1 and 2 and Moderate Potential 1 through 5, as well as the Possible Cellar, the Depression at Sculpin Cove, Sculpin Cove 1 through 5, and the Stone-lined Depression and Stone Pad 1 and 2, archaeological shovel testing should be undertaken in advance of ground disturbance activities, which may include but is not limited to grubbing, excavation, or landscaping. The shovel testing will confirm or refute the presence of archaeological deposits at these locations, and the results will inform recommendations on further archaeological mitigation, if deemed necessary. Note that testing should be undertaken with caution around

the edges of the Sculpin Cove features, and no manual excavation should occur within the depressions, unless the features can be confirmed to represent cellars and not collapsed mine shafts.

At Skunk Den Mine (the Ferrous Chute and Machine Bases), and at Giffin's Mill and Millrace, inventoried features should be subject to more in-depth recording, including mapping with high-accuracy GNSS equipment. Some minor brush clearing during this activity may be necessary to further define any surface features, to be completed manually. Following the recording, a programme of archaeological monitoring is recommended in order to better delineate and record the concrete features prior to removal. This should consist of an archaeologist for each mechanical excavator on site, equipped with a ditching bucket for better visibility, removing topsoil and following the archaeologist's direction to expose the features for final recording prior to removal. Monitoring for the removal of the entire Millrace at Giffin's Mill is likely impractical, monitoring mechanical excavation of a short section of the race near the mill would most likely be sufficient as a sample to confirm its method of construction.

At the Hattie Belt and the McMillan Mine, monitoring during ground disturbance is likewise recommended, in keeping with the results of the 2004 and 2007 surveys. The monitoring would verify whether any intact features remain below the surface and ensure appropriate recording and mitigation.

Due to the elevated risk of chemical hazards common to gold mining sites from the late nineteenth and early twentieth centuries – arsenic, mercury, and cyanide – a safety protocol document should be developed prior to ground disturbance at the various mining sites, including appropriate PPE such as gloves, particulate masks, and optional Tyvek suits. Both the archaeological team and any mechanical excavator operators should be made familiar with these protocols in order to minimize exposure to these hazards.

At the Dung Cove site (Dung Cove Well and Stone Pile 4 through 9), the 2007 recommendations at this location are reiterated: it is recommended that the spatial boundaries of the cultural activity be defined by archaeologists and that the area then be cleared of trees in order to map the stone piles and any additional cultural features. The clearing should be by hand and be monitored by qualified archaeologists in order to ensure that no cultural features are disturbed. It is also recommended that at least one of the stone piles be excavated in an effort to determine age and function. Should this site be determined to be archaeologically sensitive, appropriate follow-up and consultation should be taken.

Finally, previous recommendations at Red Head Cemetery are re-iterated: grubbing and excavation work at this location should be monitored by a qualified archaeologist in order to ensure that no burials exist beyond the area investigated during previous mitigation efforts. A protocol document for the appropriate handling of human remains should be developed in advance of ground disturbance, in order to ensure that any such discoveries are appropriately and respectfully mitigated. If possible, contact should be made with representatives of the Lincolnville Black Community to identify and address any concerns that may remain in relation to the cemetery.

Should development plans change, and the study area be altered or expanded, then a qualified archaeologist should be contracted to conduct an additional assessment on any new areas outside the project boundaries identified in this report.

In several locations (the Buckley Farm and the Paris house as seen on historic mapping, and another house or building near Sculpin Point), archaeological resources were suspected based on the historic background study, but no features or areas determined suitable for testing were encountered. In the event that future construction activity encounters any archaeological resources (e.g. a scatter of broken ceramics and glass, nails, etc.), it is required that the Coordinator of Special Places (902-229-3159) be contacted immediately regarding a suitable method of mitigation.

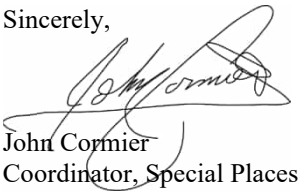
The 2004 and 2007 recommendation that an Archaeological Monitoring and Contingency Plan be in effect in order to ensure that no significant archaeological resources are impacted during construction, is reiterated here. It is also recommended that Archaeological Awareness and Sensitivity Training be conducted prior to ground disturbance in

order to inform work crews of the level of importance and sensitivity of potential resources. These efforts are intended to ensure a productive work schedule while protecting any significant or sensitive archaeological resources.

Finally, in the event that any archaeological resources are encountered during ground disturbance and an archaeologist is not already on site, it is required that all activity cease and the Coordinator of Special Places (902-229-3159) be contacted immediately regarding a suitable method of mitigation.

CCH Staff have reviewed the report and find it to be acceptable as submitted. Please do not hesitate to contact me with any questions or concerns.

Sincerely,



John Cormier
Coordinator, Special Places

APPENDIX P
PROJECT TEAM CVS

Meghan Johnston, B.Sc. (Bio), MES
Vice President
Environmental Assessment & Approvals
Total Experience: 24 years

AREAS OF SPECIALIZATION

- Wetland and Watercourse Assessment and Delineations
- Wildlife Surveys
- Environmental Approvals

EDUCATION

- Masters in Environmental Studies, York University, Toronto, ON (1999)
- Bachelor of Science (Biology), Dalhousie University, Halifax, NS (1997)
- Bachelor of Arts (Political Science), Honours, Dalhousie University, Halifax, NS (1997)

TRAINING

- Standard First Aid, AED, CPR (C) (2023)
- Wetland Construction: Principles, Planning, and Design, Rutgers (2016)
- Wetland Functional Assessment Training Workshop, NSE (2013)
- Urban Wetland Restoration: A Watershed Approach (2012)
- Nova Scotia Advanced Wetlands Delineation and Evaluation Course (2009)
- Water Management and Wetland Restoration Training Course (2009)
- Identifying and Delineating Wetlands for Nova Scotia (2008)

RELEVANT EXPERIENCE

Ms. Johnston oversees, manages, and executes regulatory and environmental projects. She is a member of NS Wetland Delineation, Maritime College of Forest Technology and holds a NS Advanced Wetlands Delineator and Evaluator certification. She provides project management for Federal and Provincial environmental assessment processes and is an experienced EA practitioner. Ms. Johnston manages and completes environmental baseline surveys including habitat surveys, species at risk and wildlife surveys, botany and bird surveys, wetland and watercourse delineations, characterizations and functional assessment, fish habitat evaluation, HADD authorizations, and bat hibernacula identification. Ms. Johnston also completes watershed evaluations, and guides clients through the environmental and permitting stages of mining, industrial, alternative energy, and development projects.

Ms. Johnston supports clients through provincial and federal environmental assessment requirements and supports project teams to identify and evaluate project environmental risk. Ms. Johnston has completed several Federal and Provincial environmental assessment registration documents in the past two years and is currently preparing two Impact Assessment Agency of Canada (IAAC) environmental impact statements (EIS) for two mining projects in Nova Scotia. Ms. Johnston consults regularly with federal and provincial regulatory agencies, First Nation communities, and local landowners and stakeholder groups.

Ms. Johnston regularly completes applications for wetland and watercourse alteration and HADD authorizations across Atlantic Canada, and has developed and implemented wetland compensation programs, fish habitat offsetting projects, and wetland and fish habitat restoration projects. Ms. Johnston is a trained wetland evaluator, biologist, and restoration professional. Ms. Johnston regularly implements species at risk, habitat and biodiversity mitigation planning, permitting, monitoring plans, and offsetting programs.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessment, NS, 2014-Present – Biophysical Project Manager: Provision of biophysical project management and coordination of field surveys to support the IAAC environmental assessment process for three proposed mining projects in Nova Scotia.

Environmental Impact Statements, NS, 2017-2021 – Project Manager/Team Lead: Project managed and led the project team for the completion of Environmental Impact Statements for submission to the Impact Assessment of Canada.

Environmental Assessment, NS, 2021 – Biophysical Lead: Led the biophysical studies for an Environmental Assessment completed for a gold mining project.

Biophysical Field Surveys, NS, 2014-2020 – Biophysical Project Manager: Completion of biophysical field surveys to support expansion efforts fo rseveral mines in Nova Scotia and aggregate quarries to meet requirements under the provincial environmental assessment process.

Environmental Assessment, NS, 2016-2020 – Project Manager: Completion of provincial environmental assessments for multiple quarry expansions in Nova Scotia.

Surface Water and Functional Assessments, NS, 2014 – Project Manager/Regulatory Lead: Completion of surface water assessment and functional assessment, wetland permitting, watercourse permitting, and compensation planning and implementation at an 18-hole golf course and residential development along the south shore of Nova Scotia.

Environmental Baseline Studies, NS, 2013 – Project Manager: Completion of environmental baseline surveys for the provincial environmental assessment process for a proposed re-development of a goldmine in eastern Nova Scotia.

François Gascon, P. Eng
Environmental Engineer
Environmental Assessment & Approvals
Total Experience: 12 years

PROFESSIONAL ASSOCIATIONS

- Association of Professional Engineers of Nova Scotia

AREAS OF SPECIALIZATION

- Industrial Approvals
- Environmental Approvals
- Hydrology/Hydrogeology
- Water Treatment
- Climate Change and GHG Assessments
- Dangerous Goods Assessments

EDUCATION

- Bachelor of Engineering (Environmental), Dalhousie University, Halifax, NS (2020)
- Civil/Mining Technician, Collège Boréal, Sudbury, ON (2010)

TRAINING

- Wilderness First Aid (2022)
- Standard First Aid & CPR (2021)
- WHMIS (2021)
- Confined Spaces (2021)
- Excavation and Trenching (2020)
- Pleasure Craft Operator License (2002)

RELEVANT EXPERIENCE

Mr. Gascon joined the Strum team in 2021 and leads a team with the Environmental Assessment and Approvals Group. Mr. Gascon is experienced in project management, engineering design, environmental monitoring, groundwater assessments, hazard assessments, environmental assessments, project reporting, and regulatory compliance.

Mr. Gascon has worked in various roles, from field technician to project manager, on numerous projects throughout Atlantic Canada, including various Industrial Approval applications, renewals, and amendments, dangerous goods permitting, and environmental monitoring. Additionally, he has valuable experience developing potable groundwater supplies, evaluating and treating water quality issues, and reviewing factors contributing to groundwater resource degradation at residential sites. His responsibilities lie in managing and coordinating these projects, completing various field programs, collecting, compiling, and analyzing data, developing mitigative measures/plans, and preparing reports and related regulatory paperwork.

More recently, Mr. Gascon has been developing and implementing Environmental Management Plans for a variety of small- and large-scale projects, including environmental monitoring and compliance components for groundwater, surface water, air quality, soil quality, erosion and sedimentation controls, vegetation/wildlife management, hazardous and non-hazardous waste management, spill response, remediation, and decommissioning works.

Mr. Gascon previously worked as a Research Assistant with the Centre for Water Resources Studies. His role involved researching the management and disposal options for municipal drinking water treatment plant waste residuals in the Northwest Territories.

Prior to completing his bachelor's degree, Mr. Gascon was a Mechanical Designer, developing and designing 3D renderings for heavy-duty industrial enclosures. Tasks included designing structures with computer-aided design software, formatting designs compatible with the water jet cutter, configuring assembly plans, and inspecting units for fabrication and assembly deficiencies.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessment, Simply Blue Group's Green Hydrogen to SAF Project, NS, 2024-Present – Environmental Engineer: On-going environmental assessment work (development of the EA Registration Document), including the development of technical and environmental component studies. Involved in coordinating the environmental considerations for the Pre-FEED.

Post-Approval Work, EverWind Point Tupper Green Hydrogen/Ammonia Project Phase 1, NS, 2023-Present – Environmental Engineer: On-going post-approval work (following approval of the EA Registration Document), including the development of environmental management and monitoring plans. These plans are developed to avoid/mitigate potential impacts to nearby environmental and residential receptors throughout the project lifespan.

Greenhouse Gas Assessments, NS and NL, 2022-Present – Environmental Engineer – Complete a greenhouse gas inventory for various projects across the Atlantic provinces. Quantifying the GHG generation/sinking potential of a project is becoming a requirement for regulatory, financial, and incentivized institutions. Understanding the GHG contributions from projects increases the requirements to offset and adapt to meet federal and provincial net-zero goals.

Waste Transfer Station Permitting, NS, 2022-Present – Intermediate Engineer: Complete regulatory outreach for the permitting of new waste transfer stations. The permitting process requires detailed engineering plans and specifications, contingency planning, air quality, noise, surface water, and groundwater management and monitoring.

Pyrolysis and Biochar Facilities, NS, 2021-Present – Intermediate Engineer: Complete field studies and key reporting requirements for Environmental Assessment and Industrial Approvals. The permitting process requires detailed engineering plans and specifications, contingency planning, air quality and dispersion modelling, and surface water and groundwater management and monitoring.

Compost Facility Environmental Monitoring Program, NS, 2021-Present – Intermediate Engineer: Monitoring groundwater and surface water sampling, data compilation, data analysis, and regulatory reporting. Prepared various approval amendment applications for submission to NSECC, direct correspondence with NSECC, and streamlined the monitoring and reporting program.

Wind Power Environmental Assessments, NS, 2021-Present – Intermediate Engineer: Conducted watercourse, wetland, fish/fish habitat, wildlife and avian assessments required, and environmental assessment reporting. Developed greenhouse gas and climate change assessment criteria for quantifying the effects or impacts of the Projects on the environment and climate change on the Projects.

Groundwater Geothermal Heating and Cooling System Review and Permitting, NS, 2021-Present – Intermediate Engineer: Withdrawal flow monitoring, water level monitoring, equipment inspection, water quality sampling, data compilation, data analysis, and regulatory reporting.

Municipal Compost Facility Leachate Handling System, NS, 2021-Present – Intermediate Engineer: Design, specification, and industrial approval amendment.

Level I and II Groundwater Assessments, NS, 2021-Present – Intermediate Engineer: Supervise well installation, pump testing (i.e., step and constant), sampling, analysis of aquifer characteristics, groundwater modelling, and regulatory reporting.

Groundwater Geothermal Cooling Systems, NS, 2021-Present – Intermediate Engineer: Withdrawal flow monitoring, water level monitoring, equipment inspection, water quality sampling, data compilation, data analysis, and regulatory reporting.

Environmental Assessment, EverWind Point Tupper Green Hydrogen/Ammonia Project, NS – Phase 1, NS, 2022 – Environmental Engineer: Completed field studies and key reporting requirements for the submission of an EA Registration Document for a green ammonia/hydrogen facility. This was the first green ammonia/hydrogen facility to be approved in both Nova Scotia and Canada.

Production Field Centre Hazardous Materials Assessment, NS, 2021 – Junior Engineer: Hazardous Materials inventory, coordinate sampling, data analysis, and reporting.

Greenhouse Gas Inventory Audit, NS, 2021 – Junior Engineer: Greenhouse Gas auditing for Fisheries and Oceans Canada (DFO) application.

Air Quality Improvement Design, Labrador, NL, 2021 – Junior Engineer: Design, specification, stack testing, data analysis, and construction of ventilation improvements.

Drinking and Wastewater Treatment Plant System Assessments, NS, 2021 – Junior Engineer: Assess water and wastewater infrastructure, establish an asset inventory, and reporting.

Municipal Groundwater Withdrawal Compliance, NS, 2021 – Junior Engineer: Review pumping rates and withdrawal volumes, spatial interferences, sustainability concerns, data analysis, and regulatory compliance.

Registered Potable Groundwater Supply Assessment, NS, 2021 – Junior Engineer: Review design specifications, well logs, water quality, data compilation, data analysis, and regulatory compliance.

Heather Mosher, MSc.
Senior Environmental Scientist, Associate
Environmental Assessment & Approvals
Total Experience: 15 years

AREAS OF SPECIALIZATION

- Water Quality Assessments and Monitoring
- Marine Ecology and Biology
- Fish and Fish Habitat Assessments
- Wetland/Watercourse Assessments and Permitting
- Vegetation Surveys
- Environmental Assessment
- Wildlife Assessments

EDUCATION

- Master of Science (Earth and Atmospheric Sciences) - University of Alberta, Edmonton, AB (2013)
- Bachelor of Science (Hons.) – St. Francis Xavier University, Antigonish, NS (2010)

TRAINING

- Backpack Electrofishing – Canadian Rivers Institute (2017)
- WESP-AC Training Course (2016)
- Pleasure Craft Operator License (2016)
- NSCSA WHMIS (2015)
- Wetland Delineation and Wetland Plant Identification – Fernhill Institute (2013)
- Canada Safety Council Defensive Driving Course (2012)

RELEVANT EXPERIENCE

Ms. Mosher is an Environmental Scientist with Strum working in our Environmental Science Group. She has experience working in many aspects of technical projects and environmental assessments, including field surveys, interpretation of analytical results and data, conducting background research, reporting and regulatory permitting.

Ms. Mosher is an experienced field biologist and has conducted water quality sampling, sediment sampling, habitat assessment, and flora and fauna surveys. As a qualified wetland delineator in Nova Scotia, she has delineated numerous wetlands of a variety of habitat types and conducted multiple functional assessments for permitting and constraints assessments. She is knowledgeable of freshwater and marine fish species of the Maritimes and is proficient in fish sampling methodology. She has been active in fish habitat characterization and watercourse assessments and has performed water quality sampling at contaminated and remote sites. She has conducted an intensive study exploring the effect of anthropogenic pollution on terrestrial biogeochemical cycles.

Ms. Mosher has more than 15 years of experience conducting research and assessments in marine ecology. Her experience involves marine fish sampling, water quality assessments, benthic habitat surveys, and investigations into salt marsh communities. Her marine experience comprises projects in both academia and industry, as well as coordinating a stewardship program with coastal ecology community groups.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessment Renewable Energy Park for Sustainable Aviation Fuel, 2023-Present – EA Lead: Senior writing and reviewing of the environmental assessment for the industrial facility (methanol, green hydrogen and sustainable aviation fuel). Provided project management and regulatory support. Project manager for the onshore wind component of the Project.

Toqlukuti'k Wind and Hydrogen Project Environmental Assessment Registration (NL), 2025-present – Project Management Support: Providing project management support and report review for the Environmental Assessment registration of a green hydrogen and ammonia project located in Newfoundland.

Wind Power Environmental Assessments, 2022-Present – Project Manager: Providing project management on several 100 MW+ wind farms in Nova Scotia.

Environmental Assessment EverWind Point Tupper Green Hydrogen/Ammonia Project - Phase 1, NS, 2022 – Environmental Scientist: Completed key reporting requirements for the submission of an EA Registration Document for a green ammonia/hydrogen facility located in Cape Breton, NS. This was the first green ammonia/hydrogen facility to be approved in both Nova Scotia and Canada.

Transmission Line Upgrade Environmental Assessment, NL (2020 - 2021) – Environmental Scientist: Completed a desktop review, assessment of environmental impacts, with special consideration of nearby salmon rivers, and reporting to fulfill the permitting requirements for an environmental assessment release for the upgrade and rebuilding of 60 km of transmission line in Central Newfoundland. Developed an Environmental Protection Plan to mitigate potential environmental impacts during construction as a condition of the EA release.

Substation Upgrades and Transmission Line Construction Environmental Assessment, NL (2020 - 2021) – Environmental Assessment – Environmental Scientist: Completed a desktop review, assessment of environmental impacts, with special consideration of a nearby salmon river, and reporting to fulfill the permitting requirements for an environmental assessment release for the upgrade of a substation, including 2 km of new transmission line, in Central Newfoundland. Developed an Environmental Protection Plan to mitigate potential environmental impacts during construction as a condition of the EA release.

Melford Atlantic Gateway Project, NS (2017 - 2021): Participated in the collection and reporting of supplemental information in support of provincial and federal permitting for the construction of a marine terminal and associate rail line. Field assessments included wetland delineation, rare plant surveys, fish sampling and watercourse assessments.

Prepared applications and supporting documentation for submissions for wetland alteration, watercourse alterations and Fisheries Act applications, including the preparation of compensation and offsetting plans.

Windsor Forks Wetland Compensation Project, NS (2015 – ongoing) – Environmental Scientist: Contributed in the design and construction for the restoration of 10 ha former quarry into wetland habitat.

Wetland Delineation and Permitting, NS (2013 – ongoing) – Environmental Scientist: Completed wetland delineation, functional assessments, and permitting submissions at numerous sites around Nova Scotia. Project included post-construction and pre-construction monitoring, compensation planning, and erosion and sedimentation control plans.

Transmission Line Wetlands, Watercourses and Rare Plants Assessments, NS (2020) – Environmental Scientist: Conducted wetland, watercourse and rare plant surveys along 60 km of transmission line, including data compilation and reporting.

Marine Platform Installation Fisheries Act Application, NS (2020): Prepared an application under Section 35 of the federal *Fisheries Act* related to the harmful alteration, disruption and destruction of fish habitat (HADD) for an infilling project within an active harbour. Work involved a desktop review of the marine environment, interpretation of benthic video footage, and the evaluation of environmental impacts on the marine habitat.

Marine Aquaculture Facility Environmental Assessments, NS (2019 - 2020) – Environmental Scientist: Completed reporting and research for environmental assessment registration documents for 6 marine based aquaculture facilities located throughout coastal Nova Scotia.

Highway Interchange and Connector Road Environmental Screening and Permitting, NS (2018- 2020): Completed wetland delineation, watercourse assessments and fish sampling in support of design and environmental permitting for a new highway interchange and connector road. Prepared an environmental assessment report and supporting documents, and associated wetland permitting.

Lantz Development Wetland Assessments and Permitting, NS (2018 - 2020) – Environmental Scientist: Completed wetland delineation, functional assessments and reporting to fulfill the requirements for a wetland alteration permit in support of two mixed-used residential and commercial developments.

Drinking Water Supply Water Withdrawal Permit Renewal, NS (2018) – Environmental Scientist: Prepared a water withdrawal permit for a drinking water supply, including assessment of environmental impacts and review of water quality data.

Tidal Energy Environmental Assessment, NS (2017 - 2019) – Environmental Scientist: Completed field surveys and report writing for an environmental assessment for a marine tidal energy development. Work completed included benthic invertebrate assessment, marine mammal surveys, interpretation of benthic habitat surveys, wetland delineation and rare plant surveys.

Susie Lake Water Quality Monitoring Program, NS (2016-2018) – Environmental Scientist: Conducted a monthly water quality sampling program at watercourses and lakes adjacent to a busy commercial area and highway. Work included water sampling, interpretation of laboratory results and reporting.

Spaceport Environmental Assessment, NS (2017) – Environmental Scientist: Completed wetland assessments, rare plant surveys, and terrestrial mammal surveys at a remote coastal barren and bog site in Nova Scotia. Involved in the writing and assessment of environmental impacts to the surrounding environment from the development and operation of a rocket launch facility.

Drinking Water Reservoir Dam Replacement Environmental Assessment, NS (2016) – Environmental Scientist: Completed field assessments for vegetation, wetlands, and freshwater mussels. Contributed to the analysis of environmental effects on the surrounding aquatic and terrestrial environment for the replacement of a dam at a drinking water supply reservoir.

Hardwood Lands Community Wind Project Environmental Assessment, NS (2015) – Environmental Scientist: Involved in the completion of desktop research, wetland assessments, rare plant surveys, avian surveys, habitat mapping and moose surveys for a 6 MW wind power project environmental assessment.

Marine Surveys for Wastewater Treatment System Upgrade at a Salmon Hatchery, NB (2015) – Environmental Scientist: Completed desktop and field-based studies into environmental effects of effluent into a coastal bay off the Bay of Fundy. Studies include fish habitat assessment, dispersion modeling, water quality assessment and benthic habitat surveys.

Dam Decommissioning Wetland and Rare Plant Assessments, NS (2015) – Environmental Scientist: Completed wetland delineation, wetland functional assessments, and rare plant surveys at hydroelectric dam sites around Nova Scotia. Assessed the potential impact of dam decommissioning and changing water levels within reservoirs on sensitive environmental features.

Belmont Wetland Compensation, NS (2015 - ongoing) – Environmental Scientist: Concept design, pre-construction ecological monitoring and construction monitoring for the remediation of a former wetland at the Belmont Quarry in Belmont, NS, as part of wetland compensation.

Auld's Cove Transmission Project Avian Assessment, NS (2016) – Environmental Scientist: Conducted nocturnal bird surveys, audio surveys, desktop research and statistical analysis for an extensive avian assessment at the Auld's Cove transmission lines and the Canso Causeway.

Susie Lake Developments Environmental Assessment, NS (2015) – Environmental Scientist: Conducted desktop and field studies, including a mainland moose monitoring program, water quality sampling and socio-economic analysis for a large residential and commercial subdivision.

Safe, Clean Drinking Water Project Environmental Constraints Assessment, NB (2014) –Environmental Scientist: Participated in desktop analysis and field studies identifying environmental constraints for the construction and upgrade of a city-wide drinking water distribution system. Components included wetland delineation, fish sampling, rare plant surveys, fish habitat assessments, reporting and permitting consultation.

Safe, Clean Drinking Water Project Groundwater Site Environmental Assessment, NB (2014) – Environmental Scientist: Participated in the desktop analysis and field studies to determine the environmental baseline condition at the site of three proposed groundwater wells. Field studies included wetland delineation and functional assessment, fish sampling, and fish habitat assessment.

Marine Terminal Expansion Environmental Assessment, NB (2014) – Environmental Scientist: Completed desktop studies, background research and analysis of environmental impacts on marine environmental components including fish habitat, benthic habitat, navigation and marine mammals.

Maritime Link Transmission Line Wetland and Rare Plant Assessment, NL and NS (2013 - 2014) – Environmental Scientist: Conducted field surveys to assess rare plants and wetlands along the footprint of the transmission and grounding lines for the purpose of construction planning and permitting. This involved the identification and functional assessment of wetlands and areas of rare plants along a combined total of 500 km of transmission and grounding line corridor as well as all associated site facilities.

Marine Training Mitigation Measures (2014) – Environmental Scientist: Participated in a desktop analysis to identify environmental impacts of naval at-sea training exercises throughout North America and Europe. This involved the identification of environmental components and potential adverse impacts, and the development of appropriate mitigating measures.

Chebucto Terence Bay Wind Farm Project Environmental Assessment, NS (2014) – Environmental Scientist: Completed desktop studies, background research and analysis of environmental and socio-economic impacts for a 7.2 MW wind farm.

Aboiteau Replacement Fisheries Application, NS (2014) – Field Biologist: Conducted fish sampling and fish habitat assessments and compiled a fisheries application to assess the impact of replacing an existing aboiteau on the local fish population.

Sediment Erosion Control Program, NB (2014) – Environmental Scientist: Conducted statistical analysis to determine the effectiveness of erosion control measures around watercourses at an active military base.

Fish Monitoring Program, NL (2013) – Environmental Scientist: Fish sampling, watercourse assessments and water quality analysis as part of an ongoing fish and fish habitat monitoring program at a highly contaminated military site. Fish tissue was analyzed for contaminant concentration and the resulting trends were analyzed.

Emma Davis, PhD
Environmental Scientist
Environmental Assessment & Approvals
Total Experience: 1 year

AREAS OF SPECIALIZATION

- Statistical and spatial analysis
- Biophysical survey design
- Impacts of climate change on natural systems
- Species conservation
- Effects of disturbance on plant communities

EDUCATION

- Doctor of Philosophy, Department of Geography, Environment & Geomatics, University of Guelph, Guelph, ON (2018). Thesis: An evaluation of constraints to treeline advance across multiple scales in the Canadian Rocky Mountains.
- Master of Science, Department of Geography, Carleton University, Ottawa, ON (2014) Thesis: The influence of vegetation and climate on wildfires in Jasper, Alberta, over the last ~3,500 years.
- Bachelor of Science, Environmental Science (Honours), Mount Allison University, Sackville, NB (2012). Thesis: Dendrochronology in the Canadian Prairies: Evaluating the Usefulness of Shelterbelt Species Now and in the Future.

TRAINING

- St. John's Ambulance First Aid & CPR/AED Level C (2025)

RELEVANT EXPERIENCE

Dr. Emma Davis is a landscape ecologist with an interest in the effects of disturbance and climate change on plant community dynamics. In particular, Emma has completed several research projects aimed at understanding how anthropogenic factors interact with natural process to cause changes in forest systems, particularly as it relates to rare and sensitive plant species and communities.

Emma completed her PhD at the University of Guelph in 2018 studying the long-term impacts of climate change on the distribution of alpine treelines in Canada's Rocky Mountain region. Her research involved combining data from a series of field experiments with greenhouse studies and dendrochronology to understand how soil characteristics, herbivory, and climate variables determine the ability of trees to establish at the edges of their distributional range.

Following the completion of her PhD, Emma held Postdoctoral Fellowships at the University of Guelph Arboretum and the University of Waterloo, where she worked with a multidisciplinary team of researchers and conservation practitioners to develop skills in conservation planning, remote sensing and spatial modelling. From 2022 to 2023, Emma held a position with the Government of Newfoundland and Labrador Wildlife Division as an Ecosystem Management Ecologist where she was responsible for drafting species recovery documents and coordinating recovery teams. Throughout her academic and professional career, Emma has enjoyed opportunities to collaborate with individuals from diverse backgrounds and areas of expertise while maintaining a strong record of publication in peer-reviewed journals.

REPRESENTATIVE PROJECTS AND ROLES

Renewable Energy and Infrastructure Environmental Assessments, NS (2025-Ongoing) – Environmental Scientist: Provided writing and editorial support during the preparation of several environmental assessment documents for proposed renewable energy projects and associated infrastructure.

Quality Control/Quality Assurance for Biophysical Field Data Collection, NS (2025-Ongoing) – Environmental Scientist: Coordinated timely reviews of incoming data from wetland and watercourse field programs to ensure the collection of complete and accurate data.

Katrina Ferrari, BSc.
Aquatic Specialist
Aquatic Ecology
Total Experience: 5 years

PROFESSIONAL ASSOCIATIONS

- PADI Professional

AREAS OF SPECIALIZATION

- Fish and Fish Habitat
- Fish Rescue
- Freshwater Mussels
- Environmental Monitoring

EDUCATION

- Bachelor of Science (Biology), Saint Francis Xavier University, Antigonish, NS (2019)

TRAINING

- Intermediate Workplace First Aid Level C CPR & AED (2023)
- WHMIS Certificate (2023)
- PADI Open Water Scuba Diving Instructor (2022)
- Backpack Electrofishing Certificate (2020)
- Pleasure Craft Operator (2020)

RELEVANT EXPERIENCE

Ms. Ferrari has been in the environmental consulting industry since June 2020. She primarily specializes in fish and fish habitat sciences. Ms. Ferrari has a range of experience in the planning and implementation of aquatic field programs, as well as experience in regulatory permitting. She has worked as a field biologist responsible for conducting a variety of biophysical assessments including wetland delineation, watercourse delineation, fish habitat surveys, fish collection, benthic invertebrate sampling, periphyton sampling, sediment sampling, fish rescues, turtle surveys, snorkel surveys, water quality sampling, flow monitoring, and brook floater surveys.

REPRESENTATIVE PROJECTS AND ROLES

Fisheries Act Authorization, Elmsdale, NS, 2025 – Aquatic Disciple Lead: Fisheries disciple lead and main author of the Fisheries Act Authorization (FAA).

Fisheries Act Authorization and Request for Review, Upper Fox Island, NS, 2024-2025 – Field Lead and Aquatic Disciple Lead: Acted as a field lead for the submission of both the Request for Review (RfR) and FAA. Ms. Ferrari was the primary author for both the RfR and the FAA.

Fisheries Act Authorization, Fishermans Harbor, NS, 2024 – Field Lead and Aquatic Disciple Lead: Acted as a field lead for a shoreline assessment to prevent erosion during large storm events. Ms. Ferrari was the primary author for the FAA.

Federal Environmental Assessment, Trafalgar, NS, 2024 – Field Technician: Acted as a field technician for a gold mine federal EA in Trafalgar, NS. The scope of work included fish collection, periphyton sampling, eDNA, benthic invertebrate sampling, geomorphological surveys, water quality sampling, moose surveys, flow monitoring, and detailed fish habitat assessment. Ms. Ferrari was the primary author of the baseline report submitted in 2024.

Environmental Assessment, Cook Brook, NS, 2023 – Field Lead: Acted as a field lead for a biophysical and provincial gypsum mine Environmental Assessment. The scope of work included a preliminary bank survey and habitat assessment for brook floaters, detailed habitat assessment, wetland delineation, and fish collection. Ms. Ferrari was the primary author for the biophysical report submitted in 2023.

Biophysical Assessment, Cooks Brook, NS, 2023 – Technician: Acted as a technician for a biophysical report in Cooks Brook, NS. The scope of work included a preliminary bank survey and instream brook floater survey along a portion of the Gays River to identify brook floaters or their habitat.

Federal Environmental Assessment, Sherbrooke, NS, 2023 – Field Technician: Acted as a field technician for a gold mine federal Environmental Assessment in Sherbrooke, NS. The scope of work included fish collection, periphyton sampling, benthic invertebrate sampling, water quality sampling, flow monitoring, and detailed fish habitat assessment. Ms. Ferrari was the primary author of the baseline report submitted within 2023.

Highway Twinning Project, New Glasgow to Antigonish, NS, 2021-2023 – Field Technician: Acted as a field technician for a highway twinning project along Highway 104 from New Glasgow to Antigonish. The scope of work included completing various sized fish rescues, detailed fish habitat assessment, and turtle surveys. Ms. Ferrari was also the primary author of various fish rescue reports.

Environmental Assessment, Goldboro, NS, 2021-2023– Field Technician: Completed field work for a provincial gold mine Environmental Assessment in Goldboro, NS. The scope of work included detailed fish habitat assessment, eDNA, redd surveys, benthic surveys, and fish collection. Ms. Ferrari was the primary author of various baseline reports and supported the submission of the EARD, FAA, Aquatic Effectiveness Monitoring Plan (AEMP), and Offsetting Plan.

Environmental Monitoring, Pickle Lake, ON, 2020-2023 – Environmental Monitor: Acted as an environmental monitor for a 1300 km transmission line project. Completed regulatory advising, spill response, erosion/sediment control, wildlife monitoring, water quality monitoring, and reporting on construction activity.

Fisheries and Oceans Canada (DFO) Request for Review, Halifax, NS, 2022 – Field Technician: Acted as field technician for DFO Request for Review (RfR) to upgrade a boat ramp within the Halifax Harbour. The scope of work included fish collection, shoreline assessment and water quality. Ms. Ferrari was the primary author.

Federal Environmental Assessment, Marinette, NS, 2020– Field Technician: Acted as a field technician for a gold mine federal Environmental Assessment in Marinette, NS. The scope of work included fish collection, eDNA sampling, water quality sampling, flow monitoring, and detailed fish habitat assessment.

Leah Riehl, BSc.
Environmental Scientist
Environmental Assessment & Approvals
Total Experience: 3 years

AREAS OF SPECIALIZATION

- Wetland and Watercourse Assessment
- Old Growth Scoring
- Wildlife Surveying and Assessment
- Bat Call Spectrogram Analysis
- Environmental Data Collection, Analysis, and Reporting

EDUCATION

- Bachelor of Science, Major in Environmental Science, Saint Mary's University, Halifax, NS (2023)

TRAINING

- Pleasure Craft Operator License, Transport Canada (2021)
- WHIMIS (2023)
- Emergency First Aid & CPR/AED Level C, St. John Ambulance (2023)
- Bear Awareness Training, Worksite Safety (2023)
- Wetland Ecosystem Services Protocol for Atlantic Canada (WESPAC), Maritime College of Forest Technology (2023)
- Trailer/Towing Training (2023)
- Utility Vehicle Training, Canada Safety Council (2023)

RELEVANT EXPERIENCE

Leah Riehl joined the Strum team in 2023 as an Environmental Scientist with a specialization in environmental data collection and analysis. While studying at Saint Mary's University (SMU), Leah majored in environmental science and gained experience in a wide variety of academic disciplines including geology, geography, physics, chemistry, and biology. She is an experienced field scientist and has an in-depth knowledge of various on the ground field protocols.

Leah completed her Bachelor of Science at Saint Mary's University in 2023. During her studies, Leah specialized in environmental management, conservation, and remediation. Through completion of academic assignments throughout her degree, Leah has designed a watershed management plan for a local watershed, a remediation plan for an urban park in Halifax, and a habitat model for an endangered lichen species. She also became familiar with ArcGIS, QGIS, and the Forest Ecosystem Classification system, and gained baseline knowledge of species identification with a focus on plants and herpetofauna of Nova Scotia.

Leah also completed the Cooperative Education program during her undergraduate degree at SMU, gaining professional experience through three summer work placements at the Discovery Centre, the Mersey Tobeatic Research Institute (MTRI), and Nature Conservancy Canada (NCC), respectively. Through these placements, Leah gained experience in environmental education, species at risk research and management, protected areas management, and invasive species management.

At MTRI, Leah planned and participated in field surveys for species at risk including Blanding's turtles, Eastern ribbonsnakes, and various bat species. Leah became experienced with turtle nesting surveys, snake and turtle visual surveys, bat roost surveys, radio tracking, and acoustic monitoring. At NCC, Leah gained experience writing reports summarizing conditions of conserved areas and using ArcGIS to create maps of protected areas. She also gained further experience with species surveys by conducting surveys for both invasive and at risk species.

At Strum, Leah is active in conducting field work to support environmental assessments, including but not limited to wetland delineations, watercourse assessments, old growth scoring, rare plant surveys, bird surveys, acoustic monitoring, pellet group inventory assessments, and wildlife surveys. She is also experienced in data compilation, data analysis, and report preparation and is trained in the operation of utility vehicles, trailer towing, and WESPAC assessment. She has participated in work across large projects and works closely with senior staff to prepare reports and regulatory submissions.

REPRESENTATIVE PROJECTS AND ROLES

Wind Power Environmental Assessments, 2023- Present: Conducted field work and data compilation and analysis to support environmental assessments for a number of 100MW+ wind farms across Nova Scotia including but not limited to wetland and watercourse assessments, old growth scoring, avian and bat acoustic monitoring, rare plant surveys, and specialized species surveys. Prepared, interpretted, and organized field data. Prepared various environmental assessment documents, including desktop reviews, field methodologies, and effects assessments.

Post-Approval Work, NS, 2023-Present – Junior Environmental Scientist: Conducted data compilation and reports for various wind farm projects to fulfill post-approval conditions such as additional wetland and watercourse data collection and post-approval bat monitoring.

Alex Scott, MIT, EPt
Junior Environmental Scientist
Environmental Assessment & Approvals
Total Experience: 3 years

PROFESSIONAL ASSOCIATIONS

- Association of Professional Geoscientists of Nova Scotia (member-in-training)
- Eco Canada (Environmental Professional in-training)

AREAS OF SPECIALIZATION

- Wetland and Watercourse Assessment and Delineations
- Wildlife Surveys
- Surface and Groundwater
- Climate Change and GHG Assessments
- Industrial Approvals
- Environmental Approvals

EDUCATION

- Bachelor of Science (Environmental Science), Saint Mary's University, Halifax, NS (2022)

TRAINING

- Wetland Delineation and Classification Training (2023) – Fern Hill Institution of Plant Classification
- Wetland Ecosystem Services Protocol Atlantic Canada (WESP-AC) Training (2023) – Maritime College of Forestry Technology
- Backpack Electrofishing Training (2023) – Maritime College of Forestry Technology
- Standard First Aid Level C CPR & AED (2022) – St John's Ambulance
- ATV Training Course (2022) – Canadian Safety Council
- Pilot Certificate – Small Remotely Piloted Aircraft System (RPAS), Visual line-of-sight (VLOS) (2022) – Transports Canada

RELEVANT EXPERIENCE

Mr. Scott joined the Strum team in 2022 and is working as a Junior Environmental Scientist with the Environmental Assessment and Approvals Group. Mr. Scott is experienced in many components of Environmental Assessments, including field surveys, delineations, avian radar analysis, wildlife acoustic analysis, and GHG quantification. In an industrial setting, Mr. Scott has experience managing projects and ensuring regulatory compliance and successful approvals. Mr. Scott is experienced in groundwater monitoring, groundwater development, sampling, and conducting aquifer testing and interpreting results.

Mr. Scott has completed fieldwork and report writing to support wetland permitting, Environmental Management Plans and Environmental Assessments for numerous projects across Nova Scotia. Additionally, Mr. Scott has been involved in fieldwork, report writing, and analysis concerning projects throughout the province relating to Level I/II Groundwater Assessments for Subdivisions, groundwater withdrawal approvals, and groundwater monitoring plan programs.

REPRESENTATIVE PROJECTS AND ROLES

Municipal Groundwater Supply Assessment, NS, 2023 – Junior Environmental Scientist: Worked with a team of groundwater experts to analyze well logs, available pump tests and well chemistry data to inform municipal planning around groundwater supply development. This assessment involved determining the depth and stratification of sediments, yields and water quality to understand the yield and safety of a potential groundwater supply.

Groundwater Monitoring Program, Canso, NS, 2023 – Junior Environmental Scientist: Ongoing groundwater monitoring work (following approval of the groundwater monitoring plan), including developing groundwater wells, groundwater sampling, aquifer testing and analysis. The purpose of the monitoring plan is to avoid/mitigate potential impacts to nearby environmental receptors throughout the lifespan of the Project.

Greenhouse Gas Inventories, NS, 2023 – Present – Junior Environmental Scientist: Experienced in conducting direct and indirect GHG emission inventories to quantify large-scale industrial impacts and identify areas for mitigation.

Post-Approval Work, Point Tupper Green Hydrogen/Ammonia Project, NS – Phase 1, NS, 2023 – Junior Environmental Scientist: Development of the groundwater monitoring plan for the hydrogen/ammonia industrial facility as required following the EA approval. Completed fieldwork to support surface water monitoring.

Wetland Carbon Sequestration, NS, 2023 – Present – Junior Environmental Scientist: Designing methods and procedures for fieldwork and subsequent analysis to quantify carbon stored in wetland soils.
Wetland Delineation and Permitting, NS, 2023 – Present – Junior Environmental Scientist: Completed wetland delineations, functional assessments, and permitting applications for pre-construction wetland alterations.

Groundwater Geothermal Heating and Cooling Systems Review and Permitting, NS, 2023 – Present – Junior Environmental Scientist: Withdrawal flow monitoring, water level monitoring, equipment inspection, water quality sampling, data compilation, data analysis, and regulatory reporting.

Nesting Bird Searches, NS, 2023 – Junior Environmental Scientist: Surveyed areas pre-construction for the presence of nesting bird activity. Collected field data related to observations and flagged off buffer areas surrounding nesting bird species.

Wind Power Environmental Assessments, NS, 2022 – Present – Junior Environmental Scientist: Conducted watercourse, wetland, fish/fish habitat, wildlife and avian assessments, and environmental assessment reporting. Quantified greenhouse gas and climate change impacts of the projects on the environment.

Level I/II Groundwater Assessments, NS, 2022—Present—Junior Environmental Scientist: Completed desktop assessments to determine the viability of sustainable groundwater withdrawals. Conducted drilling and pump test supervision. Sampled water to compare with drinking water guidelines and analyzed aquifer test data to determine adequate safe yields for groundwater users.

Radar and Avian Acoustic Assessments NS, 2022 – Present – Junior Environmental Scientist: Built and ran remote radar and acoustic monitor assemblies to record the passage of avian migrant species. The radar and acoustic data were processed and analyzed to determine the patterns of avian migration. The acoustics were analyzed with machine-learning software and manually verified for accuracy.

Various Management and Leadership Roles, NS, 2018- 2022 – Self-Employed: Competed internationally for Canada in Sprint Kayaking. This required creating sponsorship proposals, developing relationships with sponsors and stakeholders, and managing travel and shipping logistics. Part of this role required public speaking engagements, client receptions, and providing mentorship.

strum
CONSULTING

David Foster, PhD
Environmental Scientist
Environmental Assessment & Approvals
Total Experience: 7 years

AREAS OF SPECIALIZATION

- Forest management and characterization
- Environmental and carbon modelling
- Urban forest assessment
- Stakeholder engagement
- Hydrologic assessment and modelling

EDUCATION

- Doctor of Philosophy, Interdisciplinary PhD Program, Dalhousie University, Halifax, NS (2024). Thesis: Mitigating forested water supply carbon loading through timber harvesting.
- Master of Resource and Environmental Management, Dalhousie University, Halifax, NS (2016). Report: Location matters: the importance of tree placement to urban forest values.
- Bachelor of Science, Combined Honours in Biology and Sustainability, Dalhousie University, Halifax, NS (2014). Thesis: Strategic environmental assessment of changes in Bill C-45 to the Navigable Waters Protection Act and potential effects of environmental protection in Canada.

TRAINING

- Forest Ecosystem Classification qualified (NS, 2024)
- St. John's Ambulance First Aid & CPR/AED Level C (2024)
- Environmental Impact Assessment certificate (2014)

RELEVANT EXPERIENCE

Dr. Foster is an environmental scientist with a special interest in forests, their management, and how people relate to them. More broadly, he is interested in natural resource management and how resources can be utilized sustainably. He has experience in a variety of fieldwork and teaches field work planning, methods, and reporting to undergraduate students at Saint Mary's University.

Dr. Foster completed his PhD in 2024, researching the relationship between forest management and water treatability for potable water supplies. Specifically, his research examined how timber harvesting can be used to reduce watershed dissolved organic carbon (DOC) production to reduce the chemical and financial cost of water treatment in the face of continual and concerning increases in DOC. This study resulted in academic publications on its findings, and forest management recommendations to the region's water utility.

Before this research, David worked for two years as a research associate at Dalhousie University, studying various urban forest and non-urban forest matters. In addition to a contracted characterization of Halifax Regional Municipality's (HRM), urban forest, during this time, he also served as research associate for Prof. William Lahey during the Nova Scotia Independent Review of Forest Practices. He contributed research services, assisted with logistics, and provided writing input, including a report on the history of forest practices review. During this process, he had the opportunity to hear a diverse range of perspectives from stakeholders with contrasting perspectives on natural resource usage, helping to develop an understanding of what is at stake in the management of the natural environment.

REPRESENTATIVE PROJECTS AND ROLES

Wind Power and Infrastructure Environmental Assessments, NS (2024-Ongoing) – Environmental Scientist: Supporting writing and editing several sections of a variety of environmental assessment for proposed wind farms and associated infrastructure. Contributions in several biophysical and socioeconomic sections, demonstrating a breadth in competencies related to communicating the findings of environmental assessment. Includes writing the terrestrial flora, fauna, and habitat sections of the recently approved Rhodena Wind Project in Cape Breton, NS, and the same sections plus human health effects and effects of the environment on the undertaking for the recently approved Melvin Lake Wind Project in Halifax Regional Municipality and East Hants, NS.

Navigating the Social Acceptability of Forest Biomass Utilization, NS (2024-ongoing) – Environmental Scientist: Working with a client in the forest biomass utilization industry to help understand the aspects that contribute to the social acceptability of forest biomass usage in an evolving economy and modern society. Collaborating to help establish a roadmap for future entrants into the market to better understand the landscape and plan for successful development of projects that contribute an economy that makes sustainable use of Nova Scotia's natural resources.

Crown Land Forest Stakeholder Engagement, NS (2023-Ongoing) – Chair/Facilitator: Work with the NS Natural Resources and Renewables as Chair of the Nova Scotia Western Region Crown Land Stakeholder Interaction Committee (WRSIC). This committee is comprised of diverse stakeholders that come together to learn about and contribute to the management of public forests in Nova Scotia. Stakeholders include representatives from industry (mills and silvicultural contractors), Indigenous groups with a specific environmental mandate, NGOs including recreationalist and research groups, elected members of local government, private forest landowners, and more. The group meets at least twice a year to receive updates and provide input on public forest management policy and practice, and to review harvest proposals.

Pockwock Watershed Carbon Loading Study, NS (2018-2024) – PhD Candidate/Lead Researcher: Completed extensive study of the Pockwock watershed, source of water for more than 1/5th of Nova Scotians. Led three summers of fieldwork with research assistants to characterize forest composition, determine hydrologic carbon export, and model watershed hydrology. Wrote custom forest management model and novel implementation of Natural Resources Canada's Carbon Budget Model of the Canadian Forest Sector (CBM-CFS3) for use in a programming environment (R). Research was conducted in partnership through a pan-Canadian research network (the forWater network) including other researchers, forest regulators, the regional water utility, forest managers, forestry contractors, ENGOs, and more. He coordinated with diverse stakeholders to ensure that forest management within the watershed during the study period met research objectives and was properly implemented and characterized and met the research goals of the network.

Community Greening Program, NS (2013-2017) – Coordinator: Developed and implemented a program of urban green space appreciation, education, and improvement. Creating a program of the Sierra Club Canada Foundation Atlantic Canada Chapter focused on urban green spaces, worked with a diverse range of stakeholders to plan, fund, and carry out urban greening initiatives in HRM, including numerous tree plantings. This required working with local government to obtain permission and support for initiatives, members of the public to gain support and to solicit for participation in local events, and business and organizations to find and otherwise support initiatives. These efforts led to planting over 2,700 trees in HRM and establishing the municipality's first publicly hosted community urban orchard.

Amber Stoffer, MREM
Aquatic Specialist
Environmental Assessment & Approvals
Total Experience: 11 years

AREAS OF SPECIALIZATION

- Fish community & habitat assessments
- Fish rescues
- Fisheries offsetting and restoration
- Wetland and watercourse assessments, research and permitting
- Fisheries permitting
- Environmental assessments

EDUCATION

- Master of Resource and Environmental Management, Dalhousie University (2015)
- Bachelor of Science (Honours, Biology), University of Ottawa (2013)

TRAINING

- Fish Habitat Restoration – Instream Techniques (2025)
- Fish Habitat Restoration – Prescription Development (2023)
- Standard First Aid (2023)
- Technical Writing for Professionals (2019)
- Fish and Fish Habitat Characterization (2019)
- Backpack Electrofishing (2018)
- Wetland Delineation and WESP-AC (2017)
- Watercourse Installers Certification for Aquatic Restoration (2017)
- Pleasure Craft Operator's License (2016)
- Marine Emergency Duties – A1 (2014)
- WHMIS (2013)

RELEVANT EXPERIENCE

Ms. Stoffer has worked in environmental consulting and research since 2014. She has worked on both project and research-related field assessments in Nova Scotia, Alberta, and Quebec. Specializing in fish and fish habitat sciences, Ms. Stoffer has a range of experience in the planning and implementation of aquatic field programs and restoration projects. She is experienced with provincial and federal environmental impact assessments, regulatory permitting, technical reporting, and fish habitat restoration to support federal offsetting requirements. She has worked as a field biologist responsible for conducting a variety of biophysical assessments including wetland delineation and functional assessments, flora surveys, avian surveys, and species at risk evaluations. She has also performed environmental monitoring for a variety of large and small-scale development and exploration initiatives across Nova Scotia.

REPRESENTATIVE PROJECTS AND ROLES

Fisheries Offsetting, NS, 2022-Present – Technical Specialist: Led the scoping and implementation of freshwater and marine fisheries offsetting programs, including identification, design, baseline data collection, data processing and reporting. Projects involve engagement with local restoration specialists, regulators (e.g. Fisheries and Oceans Canada), stakeholders (e.g. watershed groups) and landowners. Prepared offsetting plans to support *Fisheries Act* Authorization permitting process.

Fish Rescues, NS, 2020-Present – Technical Specialist and Field Crew: Assisted more than 75 fish rescues in the past four years in support of various transportation projects throughout Nova Scotia. Acted as both field crew and Project Manager, depending on the specific Project.

***Fisheries Act* Authorization, Fishermans Harbour, NS, 2024 – Project Coordinator:** Field coordination, preparation of the application, senior review, client and regulatory liaison.

Fish & Fish Habitat Assessments and *Fisheries Act* Authorization, NS, 2022-2023 – Technical Specialist: Completed detailed evaluation of effects to fish and fish habitat to support the *Fisheries Act* Authorization application for one provincially approved gold project. This involved detailed fish habitat assessment, fish community structure evaluation, effects assessment based for direct and indirect impacts, and offsetting for residual effects. Lead author of application.

***Fisheries Act* Request for Review, Purcells Cove, NS, 2022 – Project Coordinator:** Field scoping and coordination, preparation of the RFR, and client and regulator liaison for a shoreline alteration project.

***Fisheries Act* Request for Review, Route 332 Widening Project, Lunenburg, NS, 2021 – Technical Specialist:** Field scoping and coordination, preparation of the RFR.

Environmental Monitoring, NS, 2019-2021 – Environmental Monitor: Acted as an environmental monitor for exploratory and geotechnical drilling along the eastern shore. Completed regulatory advising, spill response, erosion/sediment control, wildlife monitoring, water quality monitoring, and regulatory reporting.

Environmental Baseline Surveys, Mining, NS, 2017-2023 – Environmental Scientist & Technical Specialist: Completion and coordination of biophysical baseline data collection, reporting, and effects assessments for multiple gold mine environmental assessment projects (provincial and federal), including terrestrial habitats (flora and fauna), avifauna, wetlands, and fish and fish habitats. Provide technical review, specifically relating to qualifying direct and indirect impacts of open pit mining developments on fish and fish habitat.

Environmental Baseline Surveys, Wind and Quarries, NS, 2018-2023 – Environmental Scientist & Technical Specialist: Completion of environmental baseline surveys for multiple provincial environmental assessments for various wind power projects and quarries. Field lead for aquatic surveys, including scoping, implementation of field programs, and interpretation and reporting of results.

Fish Passage Restoration and Habitat Enhancement, Annapolis River, NS, 2016-2017 – Fisheries Lead: Coordination of field teams and scoping of field surveys, preparation of watershed plans, fish passage and fish habitat assessments, regulatory permitting and community outreach, implementation of fish passage restoration and habitat enhancement projects.

Marine Mammal Monitoring, QC, 2014 - Field Crew: Completed land and boat-based surveillance and enumeration of beluga whales in the St. Lawrence River.

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Jessica Lohnes, BSc.H.
Environmental Scientist
Environmental Assessment & Approvals
Total Experience: 4 years

AREAS OF SPECIALIZATION

- Avian Surveys (e.g., breeding, migration, SAR surveys, nocturnal owl surveys, nightjar, diurnal raptor surveys, etc.)
- Fish Habitat Assessment and Electrofishing/Fish Collection
- Wetland and Watercourse Assessment and Delineations
- Wildlife and Habitat Surveys
- Surface and Groundwater
- Construction Monitoring
- Field Survey Design and GIS
- Spatial Analysis and Creation of Maps using QGIS and ARCGIS
- Data Management
- Industrial Approvals
- Environmental Approvals and Technical Reporting
- Company Mentor – Avian Training (i.e., bird identification and nest sweeps)

EDUCATION

- Bachelor of Science (Biology Honours and Co-op), Environment, Sustainability and Society, Dalhousie University, Halifax, NS (2016)

TRAINING

- Emergency First Aid AED CPR "C", Red Cross (2024)
- Pleasure Craft License (2024)
- WESP-AC (2023)
- WHMIS (2023)
- Electrofishing Certification – Crew Supervisor (2021)
- Introduction to the Care and Use of Wildlife (2016)

RELEVANT EXPERIENCE

Ms. Lohnes has been in the environmental consulting profession since May 2021. She primarily performs environmental monitoring for a variety of large and small-scale development, construction and exploration initiatives, as well as project related field assessments across Nova Scotia, Prince Edward Island, Ontario, and Alberta, Canada. Ms. Lohnes has completed environmental assessment reporting, specialized avifauna surveys, nest sweeps, species at risk assessments, various fauna and habitat assessments, wetland delineation, watercourse assessments, fish and fish habitat assessments, fish rescues, and construction monitoring. She also has experience with independent/remote field work, GIS, environmental regulation, and project management/coordination (e.g., regulator and client collaboration, budgets, proposals, and survey design/scoping). Ms. Lohnes has been an avid bird watcher since 2014, is skilled in identifying bird species by sight and sound, and is also skilled in identifying nests. Ms. Lohnes also participates in the ECCC/CWS North American breeding bird survey and the Christmas Bird Count yearly through the Audubon Society and volunteers with the Marine Animal Rescue Society, the Back to Sea Society, as well as Hope for Wildlife.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Monitoring and Various Assessments/Surveys, Transmission Line Construction Project, ON, 2021 – Present – Environmental Scientist: Environmental monitoring of a transmission line construction project (Wataynikaneyap Power Transmission Project) that includes regulatory advising, spill response/reporting, erosion/sediment control, wildlife monitoring/reporting, wildlife surveys (e.g., nest sweeps and caribou surveys), water quality monitoring, hazardous waste and environmental supply management, camp/equipment inspections, watercourse delineation, and reporting on construction activity.

Environmental Assessment, Various Projects, 2021-2024 – Environmental Scientist: Worked on terrestrial and fish baseline reports and environmental effects chapters for various mine, quarry, and wind projects, as well as other development projects across the maritime provinces (e.g., Lantz Quarry Expansion, Walden Quarry Expansion, Six Mile Brook Quarry Expansion, Tote Road Quarry Expansion, Shaw Sand Pit, Goldboro Gold Mine, Wedgeport Wind Project, Clydesdale Wind Project, Rhodena Wind Project, Wejipek Wind Project, Antrim Gypsum Mine, and the Caribou and Wood Islands Ferry Terminal Expansion Projects). Also involved in the development of management and monitoring plans regarding birds and species at risk for the Fifteen Mile Stream Gold Mine Project.

Avian Survey Design and Completion/Project Coordination, 2021-2024 – Environmental Scientist: Planned and developed avian survey programs, including species at risk, coastal, migration, nocturnal owl surveys, breeding, and raptor/diurnal watch count surveys, for various mine, quarry, solar, and wind projects, as well as other development projects across the maritime provinces (e.g., Tote Road Quarry Expansion, Lantz Quarry Expansion, Walden Quarry Expansion, Six Mile Brook Quarry Expansion, Shaw Sand Pit, Goldboro Gold Mine, Wedgeport Wind Project, Clydesdale Wind Project, Rhodena Wind Project, Wejipek Wind Project, Apitamkiejit Wind Project, Upper Afton Wind Project, New Prospect Wind Project, White Cedar Wind Project, Port Malcolm Solar Project, Caribou and Wood Islands Ferry Terminal Expansion Projects, Sungro Horiculture Peat Harvesting Projects, etc.). During the avian survey design and planning process, the applicable governmental regulators (e.g., through CWS and NSNRR) were consulted, as well as project managers and clients. Once design and planning was completed, surveys were scheduled and completed by Jessica and other bird surveyors on the team.

Wildlife, Fish, and Habitat Surveys, 2021-2024 – Environmental Scientist: Conducted avifauna surveys: nest sweeps, nocturnal owl surveys, diurnal raptor surveys, nightjar surveys, species at risk surveys, spring/fall migration surveys, and breeding bird surveys. Conducted fauna surveys (e.g., species at risk, turtle surveys, moose surveys, PGI, and wildlife track surveys). Conducted water quality sampling and surface water flow sampling. Conducted watercourse assessments and wetland monitoring. Conducted fish and fish habitat assessments including electrofishing, fish collection, and fish rescues during construction. Completion of watercourse and wetland boundary determination and characterizations for regulatory wetland and watercourse alteration permitting. Conducted forest habitat assessments using the FEC guide. Surveys were completed for various mine, quarry, solar, and wind EA, and other small- or large-scale development projects across the maritime provinces.

Wetland Restoration and Fish-Offsetting Projects, 2021-2024 – Environmental Scientist: Level-logger and piezometer monitoring well installation and maintenance, wetland and watercourse delineation and data collection, as well as fish collection and fish habitat suitability index surveys to contribute to various wetland restoration and fish-offsetting programs in Nova Scota.

Peter Opra, MSc., Adv Dipl
Remote Sensing Scientist
Environmental Assessment & Approvals
Total Experience: 7 years

AREAS OF SPECIALIZATION

- Remote Sensing
- Geographic Information Systems (GIS)
- LiDAR
- Photogrammetry
- Location, spatial, and data analytics
- Geoprocessing, Model Building, and automation
- Database management
- Geomorphology
- Hydrologic Modelling

EDUCATION

- Master of Science in Applied Geomatics, Acadia University, Wolfville, NS (2021)
- Advanced Diploma in Geographic Information Systems (GIS), Centre of Geographic Sciences (COGS), Lawrencetown, NS (2020)
- Bachelor of Science, Major in Geology Saint Mary's University, Halifax, NS (2019)

TRAINING

- Standard First Aid and WHMIS (2022)
- RPAS Pilot Certification (2021)
- Over 200 hours ESRI Academy Training (2019 – Present)

COMPUTER EXPERIENCE

- Operating Systems: Windows, macOS
- GPS Software: Garmin BaseCamp, Trimble Geospatial
- GIS Software: ArcGIS Suite, QGIS, Global Mapper
- Remote Sensing Data Processing: DJI Terra, ArcGIS Pro, Trimble Inpho, POSPac MMS, LAStools
- Other Software: CorelDRAW X7
- Scripting: Python 2 & 3, SQL

RELEVANT EXPERIENCE

Mr. Opra is a GIS Specialist with Strum working in our Environmental Assessments and Approvals group. Mr. Opra specializes in Geomatics analysis and automation. He has extensive experience in implementing workflows for data analysis and processing. This experience includes trajectory processing, processing single and dual channel LiDAR data, photogrammetry, and automation of geospatial data analysis with both vector and raster data. In addition, Mr. Opra is experienced in operating a RPAS for data collection.

During his graduate studies, Mr. Opra focused on the application of remote sensing technologies in exploration geology. He investigated LiDAR as an effective means to visualize topography and in further detail, geomorphological features such as folds and glacial structures. He explored the advantages of both RPAS and airplane-acquired LiDAR while reviewing various software for processing and analysis. Mr. Opra helped support the project's RPAS surveys in Trafalgar, Nova Scotia and processed the data to produce high resolution terrain models.

Prior to and following his research contribution, Mr. Opra worked in academia as an advisor, then in the industry as a Geospatial Data Analyst and as a Remote Sensing Analyst. In academia, he assisted with an Honours thesis in developing a geospatial model to automatically detect sinkholes based on LiDAR data. He also assisted in a Master's thesis by mapping legacy gold mine tailings, and developing a survey grid for sampling. As a geospatial data analyst, he helped create new data products using multispectral imagery for precision agriculture. Through working on various LiDAR and Photogrammetry projects based throughout the Caribbean, USA, and Canada, Mr. Opra was able to apply automation to photogrammetry procedures and LiDAR processing. His commitment to data quality assurance and control allowed him to develop a deeper understanding of how data is affected by environmental and human factors. His experience in both geology and environmental science allows him to have a strategic approach for geospatial analysis in environmental consulting.

Due to the multidisciplinary nature of Geomatics, Mr. Opra developed the ability to anticipate, identify, and solve diverse geospatial problems. Mr. Opra continues to research advancements in technology to build on and develop efficient procedures for data analysis and collection.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Constraint Analysis, NB, NS, NL, 2023-Present – Remote Sensing Scientist: Land cover, landform, and hydro analysis for projects throughout the Maritimes. Using remotely sensed baseline data to create geospatial data products.

Hydrologic Modelling, NB, NS, NL, 2023-Present – Remote Sensing Scientist: Identifying stream networks and creating geospatial data products to guide project designs. Geospatial products that are created but are not limited to, Depth to Water, potential wetlands, potential watercourses, and catchment areas for various scale projects. High resolution remotely sensed data (e.g., LiDAR and Multispectral Imagery) is used to gain insights about complex hydrology.

EverWind Fuels Green Hydrogen Project, NS, 2022-Present – Geomatics Specialist: Spearheaded geospatial analysis, supported external inquiries, and integrated environmental and socioeconomic factors in the assessments.

Wind Farm Projects, NS, 2022-Present – Geomatics Specialist: Streamlining field data collection, developed in house habitat modelling, tracking applications, and performing geospatial data analysis.

Sinkhole Delineation Automation, NS, 2021-2022 – Advisor: Assisted in the development of a model within ArcGIS Pro for automating detection and delineation of sinkholes in the Karst prone areas.

LiDAR and Orthoimagery Data Production, Caribbean, USA, and Canada, 2021-2022 – Remote Sensing Analyst: Trajectory processing, LiDAR processing, automation, and creation of data products from inception to delivery.

Multispectral Vineyard Imagery Data Production, California, USA, 2020 – Geospatial Data Analyst: Assisted with the development of new proprietary geospatial products for precision agriculture.

Epiphytic Lichens as Spatial Biomonitors of Airbourne Mercury and Arsenic, 2019 – Research Intern: Used GPS to map historical mining sites, and designed survey grids for Lichen collection.

Provenance and Diagenesis of Sandstones in the Deep Wells Annapolis G-24, Balvenie B-79, Crimson F-81, Weymouth A-45, and Newburn H-23, Scotian Basin, offshore NS, 2017-2018 – Research Assistant: Creation of graphic models and diagrams using data captured by a scanning electron microscope (SEM) to further research efforts in understanding the geology of the Scotian Basin.

Petrography of Bedrock and Ice-rafted Granules, Flemish Cap, offshore Newfoundland and Labrador, 2017 – Research Assistant: Determining petrographic information of the samples using a scanning electron microscope (SEM). Energy dispersive spectroscopy (EDS) was used to determine mineral composition and backscattered electron images (BSE) where used to identify textures. Graphic design software was used to aggregate the images captured from the SEM.

Margaret Partridge, BES, Adv Dipl GIS (Hons)
GIS Specialist
Environmental Assessment & Approvals
Total Experience: 3 years

AREAS OF SPECIALIZATION

- Geographic Information Systems (GIS)
- Spatial data analytics
- Database management
- Data processing and quality control

COMPUTER EXPERIENCE

- GIS software: ESRI Suite, QGIS, PCI Geomatica/ Catalyst, GPS-H, TRX, PPP Direct
- Programming: Arcade, SQL, PL/SQL, Python, JavaScript, HTML, CSS
- Database management: PostgreSQL, Microsoft Office Suite, Power Automate

EDUCATION

- Advanced Diploma in Geographic Information Systems (GIS), Centre of Geographic Sciences (COGS), Lawrencetown, NS (2022)
- Bachelor of Environmental Studies, Saint Mary's University, Halifax, NS (2015)

TRAINING

- Over 75 hours ESRI Academy Training (2021 – Present)
- Emergency First Aid CPR Level "C" & AED (2023)
- WHMIS (2023

RELEVANT EXPERIENCE

Ms. Partridge has been working as a GIS Specialist with Strum Consulting since early 2023. As a part of the Environmental Assessment & Approvals team, she has assisted with various projects concerning wind farm development, wetland and watercourse management, and telecommunications analysis.

Ms. Partridge received a Bachelor of Environmental Studies from Saint Mary's University in 2015 and went on to receive an Advanced Diploma in Geographic Information Systems (GIS) with Honours from the Centre of Geographic Sciences in 2022. During her post graduate studies, Ms. Partridge conducted an analysis of GPS data in relation to the protection of an endangered aquatic species. This involved the restoration of missing or faulty GPS data by processing and analyzing environmental, topographical, and behavioural data to determine the accurate locations. She provided clarity on data errors, outlying species behaviours, and key habitat areas to directly aid in the protection of the species.

Since joining the team at Strum, Ms. Partridge has been involved in a wide range of environmental and industrial assessment projects. This has provided her experience working within both provincial and federal regulations across various governmental bodies and allowed her to gain in-depth knowledge of specialized environmental considerations.

Ms. Partridge has also utilized the ESRI suite of programs to implement and maintain numerous public-facing web mapping applications to facilitate client updates and external communication, as well as continuously develop and improve internal field data collection and management procedures. This has provided the opportunity to become familiar with a wide range of spatial and environmental data management processes and software capabilities.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessments and Approvals (2023 – Present) – GIS Specialist: Developed field data collection procedures, data processing and analysis, and provided map products to support projects across numerous departments.

Telecommunications Interference Analysis of Wind Projects within Nova Scotia (2023 - Present) – GIS Specialist: Compiled and processed provincial telecommunications data to analyze the spatial relationships of wind farms in Nova Scotia and surrounding telecommunication towers to identify potential electromagnetic interference (EMI).

Wetland Research Compensation Project (2023 – 2024) – GIS Specialist: Facilitated data collection and compilation related to wet area prediction and protection. Assisted with data analysis to provide summaries of findings to be used in various applications.