

APPENDIX I
STRUM WETLAND DATA

Wetland ID	Upland Characteristics and Habitat						Wetland Characteristics and Habitat									Full or Partial Delineation	Mapped WSS
	Dominant Habitat	Habitat Notes	Soil colorimetric classification	Herbaceous Layer	Shrub Layer	Tree Layer	Landform	Wetland Type (dominant, other)	Soil Types	Soil Notes	Waterflow	Hydrological Indicators	Herbaceous Layer	Shrub Layer	Tree Layer		
WL2	Softwood	None	0-5 cm organic; 5-15 cm 10R 3/2; 15-35 cm 10R 3/4	<i>Acer saccharum</i>	<i>Abies balsamea</i>	<i>Acer saccharum</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Treed swamp	A1: Histosol	0-20 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation	<i>Doellingeria umbellata</i> ; <i>Rubus hispidus</i> ; <i>Glyceria striata</i>	<i>Betula alleghaniensis</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Acer saccharum</i>	Partial	No
WL3	Mixedwood	None	0-5 cm organic; 5-25 cm 2.5YR 2.5/3; 25-30 cm 2.5YR 3/4	<i>Maianthemum canadense</i> ; <i>Abies balsamea</i> ; <i>Acer saccharum</i>	<i>Betula alleghaniensis</i> ; <i>Acer saccharum</i>	<i>Abies balsamea</i> ; <i>Acer saccharum</i> ; <i>Betula alleghaniensis</i> ; <i>Picea glauca</i>	Basin	Treed swamp	A1: Histosol	0-20 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation	<i>Carex crinita</i> ; <i>Glyceria striata</i> ; <i>Scirpus cyperinus</i>	None observed	<i>Betula alleghaniensis</i> ; <i>Picea glauca</i>	Partial	No
WL4	Lichens Mosses	Sloping well drained ground cover in reindeer moss, needles, and other lichens/mosses.	0-5 cm organic; 10-25 cm 100% 7.5YR 3/4; 25-45 cm 100% 10YR 3/6	<i>Maianthemum canadense</i> ; <i>Cornus canadensis</i> ; <i>Picea mariana</i> ; <i>Gaultheria hispida</i>	<i>Ilex verticillata</i> ; <i>Acer rubrum</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i>	Basin	Fen	A1: Histosol	0-30 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation; Water Stained Leaves	<i>Calamagrostis canadensis</i> ; <i>Carex magellanica</i> ; <i>Eriophorum virginicum</i> ; <i>Osmundastrum cinnamomeum</i> ; <i>Iris versicolor</i>	<i>Ilex verticillata</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Picea mariana</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Picea mariana</i>	Partial	No
WL5	Hardwood	Sloping hardwood stand. Evidence of old forestry activity.	0-5 cm organic; 5-35 cm 7.5YR 3/3; refusal	<i>Dryopteris cristata</i> ; <i>Lonicera canadensis</i>	<i>Acer spicatum</i> ; <i>Abies balsamea</i> ; <i>Fagus grandifolia</i>	<i>Acer spicatum</i> ; <i>Acer saccharum</i> ; <i>Fagus grandifolia</i>	Basin	Treed swamp	A2: Histic epipedon	0-40 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation	<i>Glyceria striata</i> ; <i>Osmunda cinnamomea</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	<i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	Partial	No
WL7	Hardwood Mixedwood	Sloping towards wetland.	1-10 cm organic; 10-20 cm 5YR 3/4; 20-35 cm 7.5YR 3/4; 35-45 cm 10YR 4/4	<i>Maianthemum canadense</i>	<i>Viburnum lantanoides</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Acer saccharum</i> ; <i>Picea rubens</i>	Basin	Treed swamp	A1: Histosol	0-30 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation	<i>Doellingeria umbellata</i> ; Horse tail spp.; <i>Rubus idaeus</i> ; <i>Carex crinita</i>	<i>Alnus incana</i> ; <i>Acer saccharum</i>	<i>Abies balsamea</i> ; <i>Acer saccharum</i> ; <i>Betula alleghaniensis</i> ; <i>Acer spicatum</i>	Full	No
WL16	Softwood	Abundant blowdown. Shrub/herb layer full of young softwood regeneration.	0-11 cm organic; 11-13 cm 2.5YR 6/2; 13-48 cm 2.5YR 4/3; refusal	<i>Picea mariana</i> ; <i>Abies balsamea</i>	<i>Picea mariana</i>	<i>Picea mariana</i> ; <i>Abies balsamea</i> ; <i>Betula papyrifera</i>	Slope	Bog/Treed swamp	A1: Histosol	0-42cm organic; 42-44cm 10YR 4/2; refusal	Isolated	High Water Table; Surface Water; Saturation	<i>Cornus canadensis</i> ; <i>Eriophorum virginicum</i> ; <i>Osmunda cinnamomea</i> ; <i>Oclemena nemoralis</i>	<i>Picea mariana</i> ; <i>Acer rubrum</i> ; <i>Betula papyrifera</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Betula papyrifera</i>	Partial	No
WL17	Mixedwood	Mixed aged softwood regeneration. Heavy forestry activity in the area.	0-9 cm organic; 9-55 cm 5YR 4/3; refusal	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Aralia nudicaulis</i> ; <i>Claytonia virginiana</i> ; <i>Dryopteris cristata</i> spp.	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Slope	Treed swamp	A2: Histic epipedon	0-28 cm organic; 28-56 cm 7.5YR 4/3; refusal	Isolated	Surface Water; High Water Table; Saturation	<i>Cornus canadensis</i> ; <i>Osmunda cinnamomea</i> ; <i>Rubus hispidus</i> ; <i>Lysimachia borealis</i> ; <i>Hypericum fraseri</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Picea mariana</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Picea mariana</i>	Full	No
WL18	Softwood	Old forestry cutblock with natural regeneration. Young softwood stand of mixed ages with some hardwood scattered throughout. Sphagnum cover is scattered throughout.	0-6 cm organic; 6-38 cm 7.5YR 4/3 (90%); 7.5YR 6/8 (10%)	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Gaultheria hispida</i> ; <i>Rubus hispidus</i> ; <i>Kalmia angustifolia</i> ; <i>Gramminoids</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Betula populifolia</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Picea mariana</i>	Slope	Treed swamp/Bog	A2: Histic epipedon	0-25cm organic; 25-34 cm 10YR 5/2	Isolated	High Water Table; Saturation; Surface Water	<i>Gaultheria hispida</i> ; <i>Vaccinium vitis-idaea</i> ; <i>Osmunda cinnamomea</i> ; <i>Eriophorum virginicum</i> ; <i>Graminoid sp.</i> ; <i>Ilex mucronata</i> ; <i>Kalmia angustifolia</i> ; <i>Picea mariana</i>	<i>Kalmia angustifolia</i> ; <i>Ilex mucronata</i> ; <i>Picea mariana</i> ; <i>Abies balsamea</i>	<i>Picea mariana</i> ; <i>Abies balsamea</i>	Full	No
WL19	Softwood	Small strip of mature softwood consisting primarily of red/black spruce and balsam fir surrounded by young softwood regeneration - heavy forestry activity in the area. Heavy blowdown.	0-9 cm organic; 9-17 cm 2.5YR 2.5/2; 17-33 cm 7.5YR 3/4	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Coptis trifolia</i> ; <i>Maianthemum canadense</i>	None observed	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Picea mariana</i>	Flat	Bog/Treed swamp	A5: Stratified Layers	0-9 cm organic; 9-15 cm 10YR 4/2; 15-31 cm 7.5YR 4/2	Isolated	Surface Water; Saturation; Sparsely Vegetated Concave Surface; High Water Table	<i>Cornus canadensis</i> ; <i>Osmunda cinnamomea</i> ; <i>Kalmia angustifolia</i> ; <i>Ilex mucronata</i> ; <i>Gramminoids</i> ; <i>Acer rubrum</i> ; <i>Gaultheria hispida</i> ; <i>Vaccinium myrtilloides</i>	<i>Ilex mucronata</i> ; <i>Abies balsamea</i> ; <i>Acer rubrum</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Picea rubens</i>	Partial	No
WL22	Softwood	Dry barren patches of ground throughout.	0-12 cm organic; 12-23 cm 7.5YR 3/2; 23-26 cm 7.5YR 3/3; refusal	<i>Oclemena</i> spp.; <i>Parathelypteris noveboracensis</i> ; <i>Cornus canadensis</i> ; <i>Carex</i> spp.; <i>Eriophorum virginicum</i> ; <i>Gaultheria hispida</i>	<i>Abies balsamea</i> ; <i>Betula papyrifera</i> ; <i>Betula populifolia</i> ; <i>Picea rubens</i> ; <i>Rubus idaeus</i> ; <i>Acer rubrum</i>	<i>Picea rubens</i>	Slope	Shrub swamp/Treed swamp	A2: Histic epipedon	0-16 cm organic; 16-31 cm 10YR 2/2; refusal	Throughflow	High Water Table; Saturation	<i>Doellingeria umbellata</i> ; <i>Osmunda cinnamomea</i> ; <i>Aralia nudicaulis</i> ; <i>Gaultheria hispida</i> ; <i>Carex</i> sp.	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>iitehgutruuyughevhivehev</i>	Partial	No
WL24	Softwood	Appears to be a red spruce plantation with evidence of thinning done 10+ years ago. Very little light in the understory. Slopes into wetland.	1-9 cm organic; 9-15 cm 7.5YR-3/4; 15-30 cm 7.5YR-2.5/3	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Betula alleghaniensis</i>	Basin	Shrub swamp	A1: Histosol	0-75 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Sediment Deposits; Drainage Patterns	<i>Rubus hispidus</i> ; <i>Osmunda cinnamomea</i> ; <i>Oclemena nemoralis</i> ; <i>Carex utriculata</i> ; <i>Cornus canadensis</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i> ; <i>Acer rubrum</i>	Partial	No

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WL35	Softwood	Sloped, densely populated with young conifer. Row crop plantation. Minimal herbaceous and shrub vegetation.	1-8 cm organic; 8-35 cm 7.5YR 5/6	<i>Cornus canadensis</i>	<i>Sorbus americana</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Basin	Treed swamp	A1: Histosol	0-50 cm organic; Refusal	Outflow	Hydrogen Sulfide Odor; Water Stained Leaves; Sediment Deposits; High Water Table; Surface Water; Saturation; Drainage Patterns	<i>Onoclea sensibilis</i> ; <i>Rubus idaeus</i> ; <i>Cornus canadensis</i> ; <i>Doellingeria umbellata</i> ; <i>Osmunda cinnamomea</i> ; <i>Betula papyrifera</i> ; <i>Gaultheria hispida</i>	<i>Abies balsamea</i> ; <i>Betula papyrifera</i> ; <i>Acer rubrum</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i>	Full	No
WL39	Softwood	A slight drumlin sloping towards the road to the east and the wetland towards the west.	0-10 cm organic; 10-30 cm 7.5YR 3/4	None observed	None observed	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Sorbus americana</i>	Basin	Fen/Shrub swamp	A2: Histic epipedon	0-30 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation	<i>Carex trisperma</i> ; <i>Osmundastrum cinnamomeum</i> ; <i>Cornus canadensis</i>	<i>Ilex mucronata</i> ; <i>Alnus incana</i> ; <i>Acer rubrum</i>	<i>Picea mariana</i> ; <i>Abies balsamea</i>	Partial	No
WL40	Hardwood	None	0-5 cm organic; 5-15 cm 5YR 4/2; 15-3 cm 7.5 YR 3/3; refusal	<i>Wood fern sp.</i> ; <i>Maianthemum canadense</i> ; <i>Aralia nudicaulis</i> ; <i>Cornus canadensis</i> ; <i>Acer rubrum</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	<i>Acer rubrum</i> ; <i>Acer saccharum</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i>	Slope	Shrub swamp	F2: Loamy gleyed matrix	0-10 cm organic; 10-20 cm 7.5YR 4/3; refusal	Throughflow	Surface Water; High Water Table; Saturation	<i>Rubus hispida</i> ; <i>Doellingeria umbellata</i> ; <i>Carex stipata</i> ; <i>horsetail sp.</i> ; <i>Onoclea sensibilis</i> ; <i>Grass sp.</i>	<i>Acer rubrum</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Partial	No
WL41	Softwood	Regenerating softwood stand sloping into wetland. Single aged with little species diversity.	0-5 cm organic; 5-40 cm 7.5YR 3/4; refusal	Absent and very little moss cover	<i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Betula papyrifera</i>	Basin	Treed swamp/ Shrub swamp	A22: Histic epipedon	0-30 cm organic; refusal	Throughflow	Surface Water; Saturation; Sediment Deposits; Water Stained Leaves	<i>Equisetum sylvaticum</i> ; <i>Osmunda cinnamomea</i> ; <i>Doellingeria umbellata</i> ; <i>Juncus effusus</i> ; <i>Carex intumescens</i> ; <i>Cornus canadensis</i> ; <i>Rubus</i>	<i>Alnus incana</i> ; <i>Ilex mucronata</i> ; <i>Picea mariana</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Betula alleghaniensis</i>	Partial	No
WL42	Softwood	Regenerating clear cut.	0-10 cm organic; 10-13 cm 5YR 4/2; 13-33 cm 5YR 4/4; 33-50 cm 7.5YR 3/4	<i>Maianthemum canadense</i> ; <i>Rubus idaeus</i> ; <i>Abies balsamea</i> ; <i>Doellingeria umbellata</i> ; <i>Cornus</i>	<i>Betula populifolia</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Betula alleghaniensis</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Flat	Treed swamp	A2: Histic epipedon	0-15 cm organic; refusal; water intrusion at 5 cm.	Throughflow	Saturation; High Water Table	<i>Carex crinita</i> ; <i>Osmundastrum cinnamomeum</i> ; <i>Vaccinium angustifolium</i> ; <i>Cornus canadensis</i>	<i>Acer rubrum</i> ; <i>Picea mariana</i> ; <i>Betula papyrifera</i>	<i>Picea mariana</i> ; <i>Betula papyrifera</i>	Partial	No
WL43	Mixedwood	Ephemeral watercourse flowing slowly from wetland. Slight downward slope from wetland.	Sandy clay mineral soil. 0-10 cm organic; 10-30 cm 7.5YR 4/3	<i>Wood fern sp.</i> ; <i>Cornus canadensis</i> ; <i>Onoclea sensibilis</i>	<i>Acer saccharum</i> ; <i>Abies balsamea</i> ; <i>Acer pensylvanicum</i> ; <i>Picea rubens</i>	<i>Acer saccharum</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Basin	Shrub swamp/Fen	A2: Histic epipedon	0-30 cm organic; refusal	Outflow	Surface Water; High Water Table; Saturation; Sparsely Vegetated Concave Surf	<i>Typha latifolia</i> ; <i>Onoclea sensibilis</i> ; <i>Osmundastrum cinnamomeum</i> ; <i>Carex crinita</i> ; <i>Rubus idaeus</i> ; <i>Equisetum spp.</i>	<i>Betula alleghaniensis</i> ; <i>Picea mariana</i> ; <i>Salix spp.</i>	Absent	Full	No
WL44	Mixedwood	None	0-5 cm organic; 5-12 cm 5YR 4/3; 12-22 cm 5YR 3/4; 22-40 cm 7.5YR 3/4 refusal	<i>Wood fern sp.</i> ; <i>Maianthemum canadense</i> ; <i>Aralia nudicaulis</i>	<i>Abies balsamea</i> ; <i>Acer saccharum</i> ; <i>Fagus grandifolia</i> ; <i>Acer pensylvanicum</i>	<i>Picea rubens</i> ; <i>Acer saccharum</i> ; <i>Fagus grandifolia</i> ; <i>Acer pensylvanicum</i>	Slope	Treed swamp	A1: Histosol	0-40 cm organic; refusal	Throughflow	Surface Water; Saturation; Hydrogen Sulfide Odor; High Water Table	<i>Osmundastrum cinnamomeum</i> ; <i>Rubus hispida</i> ; <i>Equisetum spp.</i> ; <i>Betula alleghaniensis</i> ; <i>Rubus idaeus</i> ; <i>Doellingeria umbellata</i> ; <i>Ranunculus spp.</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i>	Partial	No
WL45	Softwood	None	0-5 cm organic; 5-25 cm 7.5YR 5/6	<i>Clintonia borealis</i> ; <i>Linnaea borealis</i> ; <i>Oclemena acuminata</i> ; <i>Symphotrichum puniceum</i> ; <i>Maianthemum canadense</i>	<i>Salix humilis</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	Slope	Treed swamp/ Shrub swamp	A1: Histosol	0-20 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Hydrogen Sulfide Odor	<i>Osmundastrum cinnamomeum</i> ; <i>Carex crinita</i> ; <i>Calamagrostis canadensis</i> ; <i>Solidago rugosa</i>	<i>Alnus incana</i> ; <i>Ilex mucronata</i> ; <i>Viburnum cassinoides</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Acer rubrum</i>	Partial	No
WL46	Softwood	None	0-5 cm organic; 5-10 cm 7.5YR 5/3; 10-30 cm 7.5YR 4/6	<i>Cornus canadensis</i> ; <i>Wood fern sp.</i> ; <i>Maianthemum canadense</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer rubrum</i>	Basin	Treed swamp	A2: Histic epipedon	0-10 organic; 10-20 cm 7.5YR 2.5/1	Isolated	Surface Water; High Water Table; Saturation; Sparsely Vegetated	<i>Carex crinita</i> ; <i>Doellingeria umbellata</i> ; <i>Scirpus cyperinus</i> ; <i>Osmundastrum cinnamomeum</i>	<i>Salix discolor</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer rubrum</i>	Partial	No
WL47	Softwood	Regenerating softwood clear cut	0-10 cm roots/organic; 10-20 cm 10YR 3/6; refusal	<i>Cornus canadensis</i> ; <i>Rubus idaeus</i> ; <i>Prunus serotina</i>	<i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Acer rubrum</i>	<i>Picea rubens</i>	Slope	Marsh/Shrub swamp	S1: Sandy mucky mineral	0-20 cm organic; 20-40 cm 7.5YR 4/3; refusal	Inflow	Surface Water; High Water Table; Saturation	<i>Onoclea sensibilis</i> ; <i>Rubus idaeus</i> ; <i>Athyrium filix-femina</i> ; <i>Carex intumescens</i> ; <i>Typha latifolia</i>	<i>Alnus incana</i> ; <i>Betula alleghaniensis</i> ; <i>willow spp.</i> ; <i>Acer rubrum</i>	Absent	Partial	No
WL49	Softwood	Regenerating harvest	0-5 cm organic; 5-15 cm 5YR 3/4; 15-30 cm 7.5 YR3/3	<i>Rubus idaeus</i> ; <i>Abies balsamea</i> ; <i>Gaultheria hispida</i> ; unidentified true sedge.	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Basin	Treed swamp	S1: Sandy mucky mineral	0-10 cm organic; 10-30 cm 7.5 yr 4/2	Throughflow	High Water Table; Saturation	<i>Osmundastrum cinnamomeum</i> ; <i>Carex crinita</i> ; <i>Doellingeria umbellata</i>	<i>Acer rubrum</i> ; <i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Betula alleghaniensis</i>	<i>Picea mariana</i>	Partial	No

Wetland ID	Upland Characteristics and Habitat						Wetland Characteristics and Habitat									Full or Partial Delineation	Mapped WSS
	Dominant Habitat	Habitat Notes	Soil colorimetric classification	Herbaceous Layer	Shrub Layer	Tree Layer	Landform	Wetland Type (dominant, other)	Soil Types	Soil Notes	Waterflow	Hydrological Indicators	Herbaceous Layer	Shrub Layer	Tree Layer		
WL50	Softwood	Spruce/balsam fir regeneration. Dried sphagnum and soil with mixed wet/dry indicator plants in many upland areas (not at the location of this assessment pit). Wetland was likely much bigger historically but was logged and left to naturally regenerate. Resulted in the soil being exposed and becoming dried out creating conditions where upland species are now present. This appears to be the case for many if not most of the wetlands in the area.	0-7 cm organic; 7-18 cm 7.5YR 3/4	<i>Cornus canadensis</i> ; <i>Vaccinium myrtilloides</i> ; <i>Gaultheria hispida</i> ; <i>Coptis trifolia</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Betula papyrifera</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Slope	Marsh/Bog	A2: Histic epipedon	0-25 cm organic; 25-34 cm 2.5Y 6/1; 34-54 cm 5YR 5/3 (90%); 7.5YR 7/8 (10%)	Throughflow	Surface Water; High Water Table; Saturation	<i>Onoclea sensibilis</i> ; <i>Osmunda cinnamomea</i> ; <i>Gramminoids</i> ; <i>Rubus idaeus</i> ; <i>Doellingeria umbellata</i> ; <i>Cornus canadensis</i> ; <i>Thelypteris palustris</i>	<i>Kalmia angustifolia</i> ; <i>Ilex mucronata</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Salix sp.</i> ; <i>Betula papyrifera</i> ; <i>Betula alleghaniensis</i> ; <i>Acer rubrum</i>	None observed	Partial	No
WL51	Softwood	Conifer plantation, red spruce, 15-20 years old. Has been thinned. Uneven microtopography and very little herbaceous diversity. Abundant small woody debris.	5 cm rootmat; 5-10 cm 10YR 7/1; 10-15 cm 2.5YR 4/6; 15-25 cm 7.5YR 4/4	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i> ; <i>Acer rubrum</i>	<i>Picea rubens</i>	Basin	Treed swamp	A2: Histic epipedon	0-35 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Water Stained Leaves; Drainage Patterns; Sparsely Vegetated Concave Surface	<i>Rubus idaeus</i> ; <i>Doellingeria umbellata</i> ; <i>Osmunda cinnamomea</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Alnus incana</i> ; <i>Abies balsamea</i> ; <i>Picea mariana</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea mariana</i>	Partial	No
WL52	Softwood	Moderate slope towards wetland, lots of ground irregularities. Abundant moss cover, minimal herbaceous or shrub vegetation. Abundant large and small woody debris.	0-10 cm organic; 10-30 cm 7.5YR 7/3; loamy with gravel	<i>Lysimachia borealis</i> ; <i>Coptis trifolia</i> ; <i>Gaultheria hispida</i> ; <i>Dryopteris cristata</i>	<i>Picea mariana</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Acer rubrum</i>	Basin	Treed swamp	A2: Histic epipedon	0-20 cm organic; refusal	Outflow	Surface Water; High Water Table; Saturation; Sediment Deposits; Water Stained Leaves; Sparsely Vegetated Concave Surface; Drainage Patterns	<i>Parathelypteris noveboracensis</i> ; <i>Doellingeria umbellata</i> ; <i>Carex crinita</i> ; <i>Rubus idaeus</i> ; <i>Ribes glandulosum</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	Full	No
WL53	Softwood	Regenerating softwood stand - red spruce and balsam fir with some hardwoods. Forestry activity evident.	0-15 cm organic; 15-35 cm 7.5YR 4/3 (90%), 7.5YR 6/8 (10%)	<i>Cornus canadensis</i> ; <i>Linnaea borealis</i> ; <i>Gaultheria hispida</i>	<i>Acer rubrum</i> ; <i>Ilex mucronata</i> ; <i>Betula papyrifera</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Marsh/Treed swamp	A2: Histic epipedon	0-13 cm organic; 13-33cm 10YR 2/2; refusal	Isolated	High Water Table; Surface Water; Saturation	<i>Doellingeria umbellata</i> ; <i>Osmunda cinnamomea</i> ; <i>Rubus idaeus</i> ; <i>Linnaea borealis</i> ; <i>Solidago rugosa</i>	<i>Abies balsamea</i> ; <i>Hamamelis virginiana</i> ; <i>Doellingeria umbellata</i> ; <i>Acer rubrum</i> ; <i>Salix bebbiana</i> ; <i>Picea rubens</i>	<i>Abies balsamea</i> ; <i>Betula populifolia</i> ; <i>Picea rubens</i>	Full	No
WL55	Softwood	Steep slope leading to wetland, perpendicular to road. Appears to be a red spruce plantation. With historic cutting of large trees, and more recent thinning operations.	0-5cm organic; 5-25cm loose clay 5YR-4/4; 25-40cm gritty clay 7.5YR-4/3	<i>Cornus canadensis</i> ; <i>Dryopteris cristata</i> ; <i>Clintonia borealis</i> ; <i>Lysimachia borealis</i>	<i>Acer rubrum</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Acer rubrum</i>	Basin	Shrub swamp	A2: Histic epipedon	0-25 cm organic; refusal	Inflow	Surface Water; High Water Table; Saturation; Water Stained Leaves; Sparsely Vegetated Concave Surface; Hydrogen Sulfide Odor	<i>Rubus idaeus</i> ; <i>Osmunda cinnamomea</i> ; <i>Oclemea nemoralis</i> ; <i>Juncus effusus</i> ; <i>Rickenella fibula</i> ;	<i>Picea mariana</i> ; <i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ;	<i>Acer rubrum</i> ; Lots of snags	Full	No
WL56	Softwood	Heavily thinned softwood stand on plateau uphill from wetland. Sparse understory vegetation.	0-5 cm organic; 5-20 cm 7.5YR 3/4	<i>Cornus canadensis</i> ; <i>Dryopteris cristata</i> ; <i>Aralia nudicaulis</i>	<i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Basin	Treed swamp/Shrub swamp	A2: Histic epipedon	0-20 cm organic; refusal	Isolated	High Water Table; Surface Water; Saturation; Water Stained Leaves; Sparsely Vegetated Concave Surface	<i>Doellingeria umbellata</i> ; <i>Osmunda cinnamomea</i> ; <i>Betula papyrifera</i> ; <i>Ribes glandulosum</i> ; <i>Spiraea tomentosa</i> ; <i>Linnaea borealis</i> ; <i>Cornus canadensis</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Betula papyrifera</i> ; <i>Acer rubrum</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Betula papyrifera</i>	Full	No
WL57A/B	Softwood	None	0-5 cm organic; 5-15 cm 5YR 3/4; 15-30 cm 5YR 4/6	<i>Lysimachia borealis</i> ; <i>Cornus canadensis</i> ; <i>Pteridium aquilinum</i> ; <i>Maianthemum canadense</i> ; <i>Aralia nudicaulis</i> ; <i>Danthonia compressa</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Sorbus americana</i> ; <i>Picea rubens</i>	Flat	Shrub swamp/ Treed swamp	A2: Histic epipedon	0-10 cm organic 10-20 cm 7.5YR 4/2 refusal	Throughflow	Surface Water; High Water Table, Saturation	<i>Calamagrostis canadensis</i> ; <i>Solidago rugosa</i> ; <i>Equisetum pratense</i> ; <i>Thalictrum pubescens</i> ; <i>Rubus hispida</i>	<i>Alnus incana</i> ; <i>Abies balsamea</i> ; <i>Salix discolor</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Betula populifolia</i>	Partial	No
WL58	Mixedwood	Regenerating mixedwoods, evidence of forestry activity.	1-19 cm organic; 19-34 cm 7.5YR 3/4; 34-47 cm 7.5YR 4/4; refusal	<i>Cornus canadensis</i> ; <i>Rubus idaeus</i> ; <i>Gaultheria hispida</i> ; <i>Doellingeria umbellata</i> ; <i>Acer rubrum</i> ; <i>Dryopteris cristata</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Shrub swamp/ Bog	A5: Stratified Layers	1-6cm organic; 6-32cm 5YR 4/3; refusal	Throughflow	Surface Water; High Water Table; Saturation	<i>Gaultheria hispida</i> ; <i>Fragaria virginiana</i> ; <i>Doellingeria umbellata</i> ; <i>Onoclea sensibilis</i> ; <i>Carex sp.</i> ; <i>Osmunda cinnamomea</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Salix bebbiana</i> ; <i>Salix discolor</i> ; <i>Betula populifolia</i>	<i>Abies balsamea</i>	Full	No

Wetland ID	Upland Characteristics and Habitat						Wetland Characteristics and Habitat									Full or Partial Delineation	Mapped WSS
	Dominant Habitat	Habitat Notes	Soil colorimetric classification	Herbaceous Layer	Shrub Layer	Tree Layer	Landform	Wetland Type (dominant, other)	Soil Types	Soil Notes	Waterflow	Hydrological Indicators	Herbaceous Layer	Shrub Layer	Tree Layer		
WL59	Softwood	Red spruce plantation. Thinning and harvesting operations evident. Upslope from wetland area.	0-15 cm organic; 15-20 cm 7.5YR-4/2; 20-50 cm 5YR-3/3	<i>Cornus canadensis</i> ; <i>Coptis trifolia</i> ; <i>Maianthemum canadense</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Parathelypteris noveboracensis</i> ; <i>Aralia nudicaulis</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i>	Slope	Treed swamp/ Shrub swamp	A2: Histic epipedon	0-24 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Water Stained Leaves; Drainage Patterns	<i>Doellingeria umbellata</i> ; <i>Rubus idaeus</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i>	Full	No
WL60	Softwood	Clearing surrounded by spruce plantation. Evidence of harvesting and thinning operations. Some intermixed young hardwoods, including trembling aspen, and yellow birch.	0-5 cm organic; 5-10 cm 7.5YR-3/4	<i>Cornus canadensis</i> ; <i>Oclemena acuminata</i> ; <i>Maianthemum canadense</i> ; <i>Osmunda cinnamomea</i>	<i>Betula alleghaniensis</i> ; <i>Salix spp.</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Populus tremuloides</i> ; <i>Betula populifolia</i> ; <i>Picea rubens</i>	Basin	Shrub swamp	A2: Histic epipedon	18 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation; Sediment Deposits; Water Stained Leaves; Drainage Patterns	<i>Parathelypteris noveboracensis</i> ; <i>Doellingeria umbellata</i> ; <i>Osmunda cinnamomea</i> ; <i>Equisetum sylvaticum</i> ; <i>Cornus canadensis</i> ; <i>Rubus idaeus</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Betula papyrifera</i> ; <i>Picea mariana</i> ; <i>Betula populifolia</i> ; <i>Populus tremuloides</i> ; <i>Betula alleghaniensis</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	Full	No
WL61	Mixedwood	None	5 cm organic; 5-30 cm 7.5 YR 5/4	<i>Gaultheria hispida</i> ; <i>Cornus canadensis</i> ; <i>Rubus idaeus</i> ; <i>Onoclea sensibilis</i> ; <i>Anaphalis margaritacea</i> ; <i>Linnæa borealis</i>	<i>Acer rubrum</i> ; <i>Betula papyrifera</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Flat	Shrub swamp/ Bog	A1: Histosol	0-5 cm organic; 5-40 cm 2.5Y 4/3	Throughflow	Surface Water; High Water Table; Saturation; Water Stained Leaves; Sediment Deposits	<i>Rubus idaeus</i> ; <i>Cornus canadensis</i> ; <i>Gaultheria hispida</i> ; <i>Scirpus cyperinus</i> ; <i>Anaphalis margaritacea</i>	<i>Acer rubrum</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i> ; <i>Betula populifolia</i> ; <i>Populus grandidentata</i>	<i>Picea mariana</i> 1 <i>Abies balsamea</i>	Partial	No
WL62	Softwood	Softwood transitioning to tolerant hardwood, sloping down into wetland.	0-7 cm organic; 7-44 cm 10YR 6/2	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Coptis trifolia</i> ; <i>Acer rubrum</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Acer saccharum</i>	Basin	Marsh	A4: Hydrogen Sulfide	0-8 cm organic; 8-40 cm 10YR 3/2	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns; Hydrogen Sulfide Odor	<i>Impatiens capensis</i> ; <i>Osmunda cinnamomea</i> ; <i>Carex crinita</i> ; <i>Carex trisperma</i> ; <i>Galium aparine</i> ; <i>Onoclea sensibilis</i> ;	<i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i>	Partial	No
WL63	Softwood	Softwood transitioning to hardwood, with significant blowdown in transition area blurring boundary.	0-10 cm organic; 10-28 cm 7.5YR 4/4	<i>Cornus canadensis</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i>	<i>Acer rubrum</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Acer rubrum</i>	Basin	Treed swamp	A1: Histosol	40 cm peat	Isolated	Surface Water; High Water Table; Saturation; Hydrogen Sulfide Odor	<i>Carex trisperma</i> ; <i>Osmunda cinnamomea</i> ; <i>Acer rubrum</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Picea rubens</i>	<i>Picea mariana</i> ; <i>Picea rubens</i>	Full	No
WL64	Softwood	Ground cover mostly Schreibers moss. Abundant deadfall.	0-17 cm organic; refusal	<i>Aralia nudicaulis</i> ; <i>Abies balsamea</i> ; <i>Maianthemum canadense</i> ; <i>Cornus canadensis</i> ; <i>Lysimachia borealis</i> ; <i>Dryopteris cristata</i>	<i>Betula papyrifera</i> ; <i>Corylus cornuta</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer saccharum</i>	Slope	Treed swamp	A1: Histosol	1-7 cm organic; refusal	Throughflow	Surface Water; Saturation; High Water Table; Water Stained Leaves	<i>Acer rubrum</i> ; <i>Osmunda cinnamomea</i> ; <i>Maianthemum canadense</i> ; <i>Parathelypteris noveboracensis</i> ; <i>Glyceria striata</i>	<i>Corylus cornuta</i> ; <i>Picea rubens</i> ; <i>Acer saccharum</i> ; <i>Betula alleghaniensis</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer saccharum</i>	Partial	No
WL65A/B	Moss coverage	Sloped, shallow soil.	0-5 cm organic; 5-40 cm 7.5YR 3/4 (90%); 7.5YR 5/8 (10%)	<i>Maianthemum canadense</i> ; <i>Cornus canadensis</i> ; <i>Linnæa borealis</i> ; <i>Vaccinium angustifolium</i>	<i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Basin	Shrub swamp	A1: Histosol	0-30 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Water Stained Leaves	<i>Glyceria striata</i> ; <i>Symphotrichum puniceum</i> ; <i>Solidago rugosa</i> ; <i>Galium odoratum</i> ;	<i>Alnus incana</i>	<i>Alnus incana</i> ; <i>Abies balsamea</i>	Partial	No
WL66	Sloped, forestry activity present.	Sloped, forestry activity present.	0-5 cm organic; 5-30 cm 7.5YR 3/4	<i>Wood fern sp.</i> ; <i>Dennstaedtia punctilobula</i> ; <i>Cornus canadensis</i> ; <i>Lysimachia borealis</i>	<i>Abies balsamea</i> ; <i>Fagus grandifolia</i> ; <i>Hamamelis virginiana</i>	<i>Betula alleghaniensis</i> ; <i>Acer saccharum</i> ; <i>Picea rubens</i>	Basin	Treed swamp	A2: Histic epipedon	0-5 cm organic; 5-30 cm 7.5YR 5/3	Throughflow	Surface Water; High Water Table; Saturation	<i>Carex crinita</i> ; <i>Glyceria striata</i> ; <i>Onoclea sensibilis</i> ; <i>Carex stipata</i> ;	<i>Acer rubrum</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i>	Partial	No
WL67	Hardwood	Dense shrub layer.	0-5 cm organic; 5-20 cm 7.5 YR 4/6	<i>Rubus idaeus</i> ; <i>Parathelypteris noveboracensis</i> ; <i>Maianthemum canadense</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Acer rubrum</i>	Flat	Shrub swamp/ Bog	A1: Histosol	0-20 cm 10YR 2/2; 20-40 cm 2.5Y 6/2	Isolated	Surface Water; Saturation; Sediment Deposits	<i>Gaultheria hispida</i> ; <i>Rubus idaeus</i> ; <i>Acer rubrum</i> ; <i>Oclemena acuminata</i> ;	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i>	<i>Abies balsamea</i>	Full	No
WL68	Softwood	Significant blowdown in upland. Slight elevation change and moss composition shifts at boundary. Soil slightly saturated but not to the extent as within the wetland boundary.	0-8 cm organic; 8-28 cm 7.5YR-2.5/3	<i>Coptis trifolia</i> ; <i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Dryopteris cristata</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i>	<i>Picea rubens</i>	Basin	Treed swamp	A4: Hydrogen Sulfide	0-18 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation; Drainage Patterns; Hydrogen Sulfide Odor	<i>Betula alleghaniensis</i> ; <i>Osmunda cinnamomea</i> ; <i>Abies balsamea</i> ; <i>Carex trisperma</i> ; <i>Coptis trifolia</i> ; <i>Acer rubrum</i>	<i>None observed</i>	<i>Picea rubens</i>	Partial	No
WL69	Softwood	Dense young softwoods mixed with deciduous shrubs.	0-6 cm organic; 6-44 cm 7.5YR-4/4	<i>Cornus canadensis</i> ; <i>Gaultheria procumbens</i> ; <i>Coptis trifolia</i> ; <i>Gaultheria hispida</i> ; <i>Vaccinium myrtilloides</i> ; <i>Acer rubrum</i>	<i>Acer rubrum</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Ilex mucronata</i>	<i>None observed</i>	Flat	Treed swamp	A5: Stratified Layers	0-13 cm organic; 13-25 cm 10 YR-5/1; 25-30 cm 10 YR-5/3; 30-35 cm 7.5 YR-5/3	Isolated	Surface Water; High Water Table; Saturation	<i>Gaultheria procumbens</i> ; <i>Cornus canadensis</i> ; <i>Coptis trifolia</i> ; <i>Gaultheria hispida</i> ; <i>Scirpus cyperinus</i> ; <i>Eriophorum virginicum</i> ; <i>Carex trisperma</i> ; <i>Osmunda cinnamomea</i> ;	<i>Acer rubrum</i> ; <i>Ilex mucronata</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula populifolia</i>	<i>None observed</i>	Full	No

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	Dominant Habitat	Habitat Notes	Soil colorimetric classification	Herbaceous Layer	Shrub Layer	Tree Layer	Landform	Wetland Type (dominant, other)	Soil Types	Soil Notes	Waterflow	Hydrological Indicators	Herbaceous Layer	Shrub Layer	Tree Layer		
WL70	Softwood	Sloped densely vegetated area with abundant blowdown further upslope. Wetland encroaching into upland depressions where trees are uprooted.	0-8 cm organic; 8-40 cm 7.5YR-3/4	<i>Cornus canadensis</i> ; <i>Vaccinium myrtilloides</i> ; <i>Coptis trifolia</i> ; <i>Viburnum nudum</i>	<i>Abies balsamea</i> ; <i>Ilex mucronata</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i>	Basin	Bog	A1: Histosol	0-75 cm organic; 76-88 cm 10YR-5/1; 8 cm-102 cm 7.5YR 4/2	Isolated	Hydrogen Sulfide Odor; Surface Water; High Water Table; Saturation	<i>Eriophorum virginicum</i> ; <i>Carex scoparia</i> ; <i>Maianthemum trifolium</i> ; <i>Kalmia angustifolia</i> ; <i>Vaccinium oxycoccos</i> ; <i>Drosera rotundifolia</i> ; <i>Osmunda cinnamomea</i> ; <i>Rhododendron groenlandicum</i> ;	<i>Ilex verticillata</i> ; <i>Picea mariana</i>	None observed	Partial	No
WL72	Softwood	Conifer plantation.	0-10 cm organic; 10-20 cm 7.5YR 6/4; 20-50 cm 5YR 4/4	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Slope	Treed swamp	F6: Redox Dark Surface	0-10 cm organic; 10-20 cm 10YR 3/4; 20-35 cm 7.5YR 5/6 (80%); 7.5YR. 5/8 (20%)	Throughflow	Surface Water; High Water Table; Saturation	<i>Claytosmunda claytoniana</i> ; <i>Doellingeria umbellata</i> ; <i>Carex crinita</i>	<i>Acer rubrum</i> ; <i>Alnus incana</i> ; <i>Abies balsamea</i> ; <i>Betula alleghaniensis</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i>	Partial	No
WL74	Mixedwood	Young densely populated mixedwood regeneration.	0-8 cm organic; 8-30 cm 10YR 4/4; refusal	<i>Parathelypteris noveboracensis</i> ; <i>Rubus idaeus</i> ; <i>Maianthemum canadense</i> ; <i>Betula alleghaniensis</i>	<i>Acer rubrum</i> ; <i>Abies balsamea</i> ; <i>Betula alleghaniensis</i>	<i>Abies balsamea</i>	Flat	Shrub swamp/ Bog	A2: Histic epipedon	0-20 cm 10R 2.5/1	Throughflow	Surface Water; Saturation; High Water Table; Water Stained Leaves; Sparsely Vegetated Concave Surface; Sediment Deposits	<i>Oclemena acuminata</i> ; <i>Maianthemum canadense</i> ; <i>Rubus idaeus</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Betula populifolia</i>	<i>Picea mariana</i> ; <i>Abies balsamea</i>	Partial	No
WL76	Mixedwood	Open woodland with mature red spruce and yellow birch.	0-14 cm organic; 14-16 cm 7.5YR 8/1; 16-59 cm 7.5YR 4/4	<i>Dryopteris cristata</i> ; <i>Maianthemum canadense</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer rubrum</i>	<i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Slope	Shrub swamp/ Fen	S1: Sandy Mucky Mineral	0-20 cm organic; 20-64 cm 100% 2.5Y 4/3; 64-81 cm 100% 7.5YR 4/3	Outflow	High Water Table; Saturation; Drainage Patterns	<i>Onoclea sensibilis</i> ; <i>Carex crinita</i> ; <i>Glyceria striata</i> ; <i>Equisetum sylvaticum</i> ; <i>Osmunda cinnamomea</i>	<i>Acer rubrum</i> ; <i>Abies balsamea</i> ; <i>Betula alleghaniensis</i>	<i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	Partial	No
WL78	Softwood	Red spruce plantation, minimal herb and shrub layer. Dense moss cover.	0-10 cm organic; 10-25 cm 5YR 4/6; 25-50 cm 7.5 3/4	<i>Abies balsamea</i> ; <i>Dryopteris cristata</i>	None observed	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Slope	Treed swamp	A1: Histosol	0-50cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns; Sparsely Vegetated	<i>Osmunda cinnamomea</i> ; <i>Carex trisperma</i> ; <i>Rubus hispidus</i> ; <i>Glyceria striata</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i>	Partial	No
WL79	Mixedwood	Moderately open woodland with large deadfall, red pine and red maple, yellow birch, ridge before fen.	0-10 cm organic; 10-19 cm 2.5YR 3/4	<i>Cornus canadensis</i> ; <i>Gaultheria hispidula</i> ; <i>Aralia nudicaulis</i> ; <i>Dryopteris cristata</i> ; <i>Linnaea borealis</i> ; <i>Betula alleghaniensis</i> ; <i>Oxalis montana</i> ; <i>Abies balsamea</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Ilex mucronata</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	Basin	Treed swamp/ Fen	A1: Histosol	0-24 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns	<i>Picea rubens</i> ; <i>Gaultheria hispidula</i> ; <i>Maianthemum trifolium</i> ; <i>Eriophorum virginicum</i> ; <i>Carex trisperma</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i>	Partial	No
WL83	Softwood	Small section of softwood forest surrounded by clearcut regeneration and areas of dense slash.	0-15 cm organic; 15-34 cm 5YR 4/4	<i>Coptis trifolia</i> ; <i>Cornus canadensis</i> ; <i>Clintonia borealis</i> ; <i>Sorbus americana</i> ; <i>Picea rubens</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Betula papyrifera</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Slope	Treed swamp/ Shrub swamp	A4: Hydrogen Sulfide	0-15 cm organic; 15-38 cm 10YR 2/2	Throughflow	Surface Water; High Water Table; Saturation; Hydrogen Sulfide Odor	<i>Osmunda cinnamomea</i> ; <i>Rubus idaeus</i> ; <i>Cornus canadensis</i> ; <i>Platanthera clavellata</i> ; <i>Aralia nudicaulis</i> ; <i>Lysimachia borealis</i> ; <i>Linnaea borealis</i> ; <i>Eriophorum virginicum</i> ; <i>Oclemena nemoralis</i>	<i>Abies balsamea</i> ; <i>Betula papyrifera</i> ; <i>Acer rubrum</i> ; <i>Ilex mucronata</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Partial	No
WL88	Mixedwood	None	0-20 cm organic; 20-30 cm 7.5 YR 4/2; 30-40 cm 5YR 3/4	<i>Picea rubens</i>	<i>Betula alleghaniensis</i>	<i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Slope	Treed swamp	A1: Histosol	0-60 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns; Sediment Deposits; Water Stained Leaves; Water Marks; Sparsely Vegetated Concave Surface; Surface Soil Cracks; Hydrogen Sulfide Odor	<i>Rubus hispidus</i> ; <i>Osmundastrum cinnamomeum</i> ; <i>Ribes lacustre</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i>	<i>Acer saccharum</i> ; <i>Betula alleghaniensis</i>	Full	No

Wetland ID	Upland Characteristics and Habitat						Wetland Characteristics and Habitat									Full or Partial Delineation	Mapped WSS
	Dominant Habitat	Habitat Notes	Soil colorimetric classification	Herbaceous Layer	Shrub Layer	Tree Layer	Landform	Wetland Type (dominant, other)	Soil Types	Soil Notes	Waterflow	Hydrological Indicators	Herbaceous Layer	Shrub Layer	Tree Layer		
WL90	Hardwood	Mature forest, some blowdown, bear activity noted. Dominated by sugar maple and yellow birch.	0-15 cm organic; 15-27 cm 5YR 2.5/2	<i>Dryopteris cristata</i> ; <i>Maianthemum canadense</i> ; <i>Acer saccharum</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	<i>Betula alleghaniensis</i> ; <i>Acer saccharum</i>	<i>Acer saccharum</i> ; <i>Betula alleghaniensis</i>	Slope	Treed swamp	A2: Histic epipedon	0-20 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Water Marks; Sediment Deposits; Water Stained Leaves; Sparsely Vegetated Concave Surface; Drainage Patterns; Surface Soil Cracks	<i>Dryopteris cristata</i> ; <i>Rubus hispidus</i> ; <i>Aralia nudicaulis</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i> <i>Symphotrichum lateriflorum</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i>	Partial	No
WL95A/B	Mixedwood	Mixed wood, shallow rocky soil, abundant blowdown.	0-5 cm organic; 5-40 cm 7.5YR 4/3; refusal	<i>Aralia nudicaulis</i> ; <i>Coptis trifolia</i> ; <i>Maianthemum canadense</i> ; <i>Dryopteris campyloptera</i>	<i>Abies balsamea</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i>	Slope	Treed swamp	S1: Sandy Mucky Mineral	0-10 cm organic; 10-20 cm 7.5YR 5/2; 20-40 cm 7.5YR 4/3	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns	<i>Glyceria striata</i> ; <i>Carex crinita</i> ; <i>Ribes hirtellum</i> ; <i>Carex disperma</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i>	Partial	No
WL96	Mixedwood	A rocky ridge with plenty of large, moss covered boulders.	0-10 cm organic; 10-30 cm 7.5YR 6/3	<i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i>	<i>Picea rubens</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	Basin	Treed swamp, Shrub swamp	A1: Histosol	0-30 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns	<i>Osmunda cinnamomea</i> ; <i>Coptis trifolia</i> ; <i>Oclemena nemoralis</i> ; <i>Solidago canadensis</i> ; <i>Carex echinata</i>	<i>Alnus incana</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	<i>Picea rubens</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	Partial	No
WL97	Hardwood	Primarily clear cut. A softwood forest at the other side of the wetland.	0-18 cm organic; 18-22 cm 7.5YR 5/2; 22-42 cm YR 3/3; 42-60 cm 5YR 3/4	<i>Cornus canadensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Coptis trifolia</i> ; <i>Maianthemum canadense</i> ; <i>Aralia nudicaulis</i> ; <i>Rubus idaeus</i> ; <i>Dryopteris cristata</i> ; <i>Vaccinium myrtilloides</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i> ; <i>Rubus idaeus</i> ; <i>Sorbus americana</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Acer rubrum</i>	Flat	Treed swamp/ Shrub swamp	A2: Histic epipedon	0-15 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation; Water Marks; Sediment Deposits; Water Stained Leaves; Sparsely Vegetated Concave Surface; Drainage Patterns; Surface Soil Cracks	<i>Osmunda cinnamomea</i> ; <i>Osmunda regalis</i> ; <i>Rubus idaeus</i> ; <i>Oclemena nemoralis</i> ; <i>Vaccinium myrtilloides</i> ; <i>Platanthera clavellata</i> ; <i>Triadenum fraseri</i>	<i>Acer rubrum</i> ; <i>Ilex mucronata</i> ; <i>Ulinus spp.</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Partial	No
WL98	Softwood	Red spruce stand atop a well drained, bouldery ridge. Understory is densely populated with reindeer lichen and other dry moss types.	0-13 cm organic; 13-18 cm 7.5YR 3/4	<i>Dryopteris cristata</i> ; <i>Vaccinium myrtilloides</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Treed swamp/ Fen	A1: Histosol	0-42 cm organic; refusal	Isolated	High Water Table; Saturation; Drainage Patterns; Surface Water	<i>Viburnum nudum</i> ; <i>Cornus canadensis</i> ; <i>Gaultheria hispidula</i> ; <i>Eriophorum virginicum</i> ; <i>Toxicodendron radicans</i>	<i>Picea rubens</i> ; <i>Viburnum nudum</i> ; <i>Abies balsamea</i>	<i>Betula papyrifera</i> ; <i>Picea rubens</i>	Full	No
WL99	Softwood	Open woodland on a rocky ridge, reindeer lichen and other drier mosses abundant.	0-8 cm organic; 8-18 cm 7.5YR 3/4	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Rubus idaeus</i> ; <i>Dryopteris intermedia</i> ; <i>Ilex mucronata</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Betula papyrifera</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Fen / Treed swamp	A1: Histosol	0-15 cm organic; refusal	Throughflow	High Water Table; Saturation; Drainage Patterns	<i>Vaccinium myrtilloides</i> ; <i>Rhododendron groenlandicum</i> ; <i>Eriophorum virginicum</i> ; <i>Scirpus cyperinus</i> ; <i>Gaultheria hispidula</i> ; <i>Ilex mucronata</i> ; <i>Carex echinata</i> ; <i>Hypericum canadense</i> ; <i>Platanthera clavellata</i> ; <i>Osmunda cinnamomea</i> ; <i>Cornus canadensis</i>	<i>Betula pubescens</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i>	<i>Picea rubens</i> ; <i>Betula pubescens</i> ; <i>Acer rubrum</i>	Partial	No
WL100	Softwood	Softwood dominant forest. Sloped slightly toward wetland. Intersected by road.	0-13 cm organic; 13-49 cm 5YR 3/3; 39-61 cm 7.5YR 3/3	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Gaultheria hispidula</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Flat	Treed swamp/ Shrub swamp	S1: Sandy Mucky Mineral	0-2 cm organic; 2-12 cm 5YR 2.5/2; 12-15 cm 10YR 2/1	Isolated	Surface Water; Saturation; High Water Table; Sediment Deposits; Surface Soil Cracks	<i>Rubus idaeus</i>	<i>Betula populifolia</i> ; <i>Acer rubrum</i> ; <i>Salix spp.</i>	<i>Salix spp.</i>	Full	No
WL101	Softwood	Single age stand, estimated 30-40 years in age.	1-14 cm organic; 14-45 cm 7.5YR 2.5/2; refusal at 45 cm	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Abies balsamea</i> ; <i>Aralia nudicaulis</i>	<i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Flat	Treed swamp/ Shrub swamp	A1: Histosol	50 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Water Marks; Drainage Patterns	<i>Viburnum nudum</i> ; <i>Gaultheria hispidula</i> ; <i>Gaultheria procumbens</i> ; <i>Lysimachia borealis</i>	<i>Viburnum nudum</i> ; <i>Osmunda cinnamomea</i> ; <i>Alnus incana</i> ; <i>Abies balsamea</i> ; <i>Betula papyrifera</i> ; <i>Picea rubens</i>	<i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	Partial	No

Wetland ID	Upland Characteristics and Habitat						Wetland Characteristics and Habitat									Full or Partial Delineation	Mapped WSS
	Dominant Habitat	Habitat Notes	Soil colorimetric classification	Herbaceous Layer	Shrub Layer	Tree Layer	Landform	Wetland Type (dominant, other)	Soil Types	Soil Notes	Waterflow	Hydrological Indicators	Herbaceous Layer	Shrub Layer	Tree Layer		
WL102	Softwood	Single age stand with average DBH of 10-20cm.	0-10 cm organic; 10-18 cm 7.5YR 3/2; 18-30 cm 7.5YR 4/4; refusal	<i>Cornus canadensis</i> ; <i>Maianthemum canadense</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Floodplain	Treed swamp/ Fen	A1: Histosol	0-10 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Water Marks; Sediment Deposits; Water Stained Leaves; Sparsely Vegetated Concave Surface; Drainage Patterns;	<i>Rubus idaeus</i> ; <i>Viburnum nudum</i> ; <i>Chamaedaphne calyculata</i>	<i>Betula papyrifera</i>	None	Partial	No
WL103	Softwood	Open forest adjacent to a thick stand of young balsam fir on a small hill.	0-14 cm organic; 14-42 cm 5YR 3/4	<i>Cornus canadensis</i> ; <i>Coptis trifolia</i> ; <i>Abies balsamea</i> ; <i>Aralia nudicaulis</i> ; <i>Ilex mucronata</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Lonicera canadensis</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Basin	Treed swamp/ Shrub swamp	A1: Histosol	0-26 cm organic; refusal	Outflow	Surface Water; High Water Table; Saturation; Water Stained Leaves; Sparsely Vegetated Concave Surface; Drainage Patterns	<i>Osmunda cinnamomea</i> ; <i>Rubus idaeus</i> ; <i>Thalictrum pubescens</i> ; <i>Glyceria striata</i> ; <i>Lycopus virginicus</i> ; <i>Fragaria virginiana</i> ; <i>Solidago rugos</i> ; <i>Alnus incana</i>	<i>Alnus incana</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i>	Partial	No
WL104	Mixedwood	Dense mixed woodland with abundant deadfall on a steep slope leading into the wetland.	0-16 cm organic; 16-30 cm 7.5YR 5/2; 30-61 cm 5YR 3/4; refusal	<i>Coptis trifolia</i> ; <i>Dryopteris cristata</i>	<i>Betula alleghaniensis</i> ; <i>Abies balsamea</i> ; <i>Picea rubens</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i>	Basin	Fen/Treed swamp	S1: Sandy Mucky Mineral	0-32 cm organic; 32-54 cm 10YR 4/2; refusal	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns	<i>Acer rubrum</i> ; <i>Abies balsamea</i> ; <i>Osmunda cinnamomea</i> ; <i>Picea rubens</i> ; <i>Oxalis montana</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i>	<i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Partial	No
WL107	Mixedwood	None	0-10 cm organic; 10-14 cm 10YR 6/2; 15-21 cm 10YR 2/2; 21-50 cm 5YR 3/4	<i>Dryopteris cristata</i> ; <i>Maianthemum canadense</i> ; <i>Cornus canadensis</i> ; <i>Lonicera canadensis</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i>	<i>Betula alleghaniensis</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Bog	A2: Histic epipedon	0-20 cm organic; refusal	Throughflow	High Water Table; Saturation	<i>Osmunda cinnamomea</i> ; <i>Acer rubrum</i> ; <i>Rubus idaeus</i> ; <i>Triadenum fraseri</i> ; <i>Osmunda regalis</i> ; <i>Calamagrostis canadensis</i>	None	None	Full	No
WL108	Softwood	None	0-10 cm organic; 10-15 cm 5YR 6/3; 15-30 cm 5YR 3/4	<i>Wood fern sp.</i> ; <i>Aralia nudicaulis</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Treed swamp	A1: Histosol	0-80 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation; Hydrogen Sulfide Odor	<i>Carex trisperma</i> ; <i>Osmundastrum cinnamomeum</i> ; <i>Cornus canadensis</i> ; <i>Wood fern spp.</i>	<i>Picea rubens</i> ; <i>Fagus grandifolia</i> ; <i>Abies balsamea</i>	<i>Acer rubrum</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i>	Partial	No
WL109		Slopes down towards wetland.	0-10 cm organic; 10-20 cm 7.5YR 4/3; 20-40 cm 7.5YR 4/6	<i>Cornus canadensis</i> ; <i>Lysimachia borealis</i> ; <i>Maianthemum canadense</i> ; <i>Aralia nudicaulis</i>	<i>Abies balsamea</i> ; <i>Acer pensylvanicum</i> ; <i>Picea rubens</i>	<i>Picea rubens</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	Fringe	Marsh/Treed swamp	A1: Histosol	0-30 cm organic; refusal	Isolated	Saturation; Hydrogen Sulfide Odor; High Water Table	<i>Carex echinata</i> ; <i>Coptis trifolia</i> ; <i>Dulichium arundinaceum</i> ; <i>Osmundastrum cinnamomeum</i> ; <i>Linnaea borealis</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i>	Partial	No
WL110	Softwood	Sloped towards wetland. Intersected by an overgrown trail.	0-15 cm organic; 15-29 cm 2.5YR 2.5/3; 29-50 cm 5YR 4/6; 50-64 cm 5YR 3/4	<i>Cornus canadensis</i> ; <i>Coptis trifolia</i> ; <i>Maianthemum canadense</i> ; <i>Lysimachia borealis</i> ; <i>Linnaea borealis</i> ; <i>Dryopteris cristata</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Floodplain	Shrub swamp	A1: Histosol	0-49 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Water Marks; Sediment Deposits; Water Stained Leaves; Sparsely Vegetated Concave Surface; Drainage Patterns; Surface Soil Cracks	<i>Chamaedaphne calyculata</i> ; <i>Spiraea alba</i> ; <i>Triadenum fraseri</i> ; <i>Rubus idaeus</i>	<i>Chamaedaphne calyculata</i> ; <i>Alnus spp.</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	Partial	No
WL111		Gentle slope, then moderate drop towards wetland.	0-5 cm organic; 5-30 cm 7.5YR 4/4	<i>Clintonia borealis</i> ; <i>Maianthemum canadense</i> ; <i>Streptopus lanceolatus</i> ; <i>Wood fern sp.</i>	<i>Picea rubens</i> ; <i>Fagus grandifolia</i> ; <i>Abies balsamea</i>	<i>Fagus grandifolia</i> ; <i>Picea rubens</i> ; <i>Acer pensylvanicum</i>	Slope	Treed swamp	A2: Histic epipedon	0-20 cm organic refusal	Throughflow	Surface Water; High Water Table; Saturation	<i>Osmundastrum cinnamomeum</i> ; <i>Glyceria striata</i> ; <i>Impatiens capensis</i> ; <i>Persicaria sagittata</i> ; <i>Rubus hispidus</i>	<i>Fagus grandifolia</i> ; <i>Picea rubens</i>	<i>Betula alleghaniensis</i> ; <i>Fagus grandifolia</i> ; <i>Picea rubens</i>	Partial	No
WL112	Hardwood	None	0-10 cm organic; 10-30 cm 5YR 4/6	<i>Cornus canadensis</i> ; <i>Linnaea borealis</i> ; <i>Maianthemum canadense</i> ; <i>Wood fern sp.</i>	<i>Abies balsamea</i> ; <i>Fagus grandifolia</i>	<i>Picea rubens</i> ; <i>Acer saccharum</i> ; <i>Fagus grandifolia</i> ; <i>Betula alleghaniensis</i>	Basin	Treed swamp	A2: Histic epipedon	0-20 cm organic; refusal	Isolated	Surface Water; High Water Table; Saturation	<i>Osmundastrum cinnamomeum</i> ; <i>Cornus canadensis</i> ; <i>Thalictrum pubescens</i>	<i>Abies balsamea</i> ; <i>Fagus grandifolia</i>	<i>Betula alleghaniensis</i> ; <i>Picea rubens</i>	Partial	No

Wetland ID	Upland Characteristics and Habitat						Wetland Characteristics and Habitat									Full or Partial Delineation	Mapped WSS
	Dominant Habitat	Habitat Notes	Soil colorimetric classification	Herbaceous Layer	Shrub Layer	Tree Layer	Landform	Wetland Type (dominant, other)	Soil Types	Soil Notes	Waterflow	Hydrological Indicators	Herbaceous Layer	Shrub Layer	Tree Layer		
WL113	Mixedwood	Rocky substrate covered in thin organic layer. Young softwoods, bordering area of previous harvest.	20 cm organic; refusal	<i>Parathelypteris noveboracensis</i> ; <i>Doellingeria umbellata</i> ; <i>Dryopteris cristata</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	<i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Treed swamp	A1: Histosol	17cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation	<i>Euthamia graminifolia</i> ; <i>Doellingeria umbellata</i> ; <i>Rubus hispidus</i> ; <i>Galium palustre</i> ; <i>Parathelypteris noveboracensis</i> ; <i>Carex disperma</i> ; <i>Carex trisperma</i> ; <i>Carex echinata</i>	<i>Picea rubens</i> ; <i>Picea mariana</i> ; <i>Abies balsamea</i> ; <i>Betula alleghaniensis</i>	<i>Picea rubens</i> ; <i>Betula alleghaniensis</i> ; <i>Abies balsamea</i>	Partial	No
WL114	Softwood	Young softwood stand with past thinning.	0-8 cm organic; 8-15 cm 7.5YR-4/3; 15-25 cm 7.5YR-2.5/3; 25-44 cm 7.5YR-3/4; 44-48 cm 7.5YR-4/4	<i>Dryopteris cristata</i> ; <i>Cornus canadensis</i> ; <i>Maianthemum canadense</i>	<i>Acer saccharum</i> ; <i>Fraxinus americana</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Betula alleghaniensis</i>	Basin	Treed swamp	F8: Redox Depressions	0-17 cm organic; 17-48 cm 7.5YR-5/3	Throughflow	Surface Water; High Water Table; Saturation	<i>Doellingeria umbellata</i> ; <i>Oclemena acuminata</i> ; <i>Rubus hispidus</i> ; <i>Osmunda cinnamomea</i> ; <i>Carex intumescens</i>	<i>Acer saccharum</i> ; <i>Abies balsamea</i>	<i>Fraxinus americana</i> ; <i>Acer rubrum</i>	Full	No
WL115	Hardwood	Sloping to the south.	0-10 cm organic; 10-20 cm 7.5YR 4.3	<i>Wood fern sp.</i> ; <i>Picea rubens</i> ; <i>Oxalis montana</i>	<i>Fagus grandifolia</i> ; <i>Acer saccharum</i> ; <i>Acer pensylvanicum</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i>	<i>Fagus grandifolia</i> ; <i>Betula alleghaniensis</i> ; <i>Acer saccharum</i>	Slope	Fen/Shrub Swamp	A2: Histic epipedon	0-20 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation; Sediment Deposits; Water Stained Leaves; Sparsely Vegetated Concave Surface; Drainage Patterns	<i>Onoclea sensibilis</i> ; <i>common Solidago rugosa</i> ; <i>Triglochin palustris</i> ; <i>Rubus hispidus</i> ; <i>Picea rubens</i> ; <i>Osmundastrum cinnamomeum</i> ; <i>Carex crinita</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i>	Absent	Full	No
WL116	Hardwood	Tolerant hardwood with sugar maple, yellow birch American beech, and white ash present.	0-12 cm organic; 12-24 cm 10YR 5/4; 24-48 cm 7.5YR 4/4; refusal	<i>Dryopteris cristata</i> ; <i>Coptis trifolia</i> ; <i>Acer rubrum</i> ; <i>Maianthemum canadense</i> ; <i>Oxalis montana</i> ; <i>Fraxinus americana</i> ; <i>Abies balsamea</i> ; <i>Cornus canadensis</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Fagus grandifolia</i> ; <i>Betula alleghaniensis</i> ; <i>Acer saccharum</i>	<i>Betula alleghaniensis</i> ; <i>Acer saccharum</i> ; <i>Fagus grandifolia</i> ; <i>Picea rubens</i> ; <i>Fraxinus americana</i>	Slope	Treed swamp	S4: Sand Gleyed Matrix	0-19 cm organic; 19-49 cm 10YR 4/4	Throughflow	Surface Water; Saturation; High Water Table; Water Stained Leaves	<i>Dryopteris cristata</i> ; <i>Rubus hispidus</i> ; <i>Acer saccharum</i> ; <i>Maianthemum canadense</i> ; <i>Carex crinita</i>	<i>Picea rubens</i> ; <i>Acer saccharum</i> ; <i>Fagus grandifolia</i>	<i>Betula alleghaniensis</i> ; <i>Acer saccharum</i> ; <i>Fraxinus americana</i> ; <i>Fagus grandifolia</i>	Partial	No
WL117	Hardwood	Open woodland on a slope with hummocky topography. American beech is present.	0-10 cm organic; 10-36 cm 7.5YR 2.5/3; 36-57 cm 7.5YR 3/4	<i>Aralia nudicaulis</i> ; <i>Lysimachia borealis</i> ; <i>Maianthemum canadense</i> ; <i>Dryopteris cristata</i> ; <i>Osmunda cinnamomea</i>	<i>Picea rubens</i> ; <i>Acer pensylvanicum</i>	<i>Acer saccharum</i> ; <i>Betula alleghaniensis</i> ; <i>Fraxinus americana</i> ; <i>Picea rubens</i> ; <i>Fagus grandifolia</i>	Slope	Fen/Treed swamp	S4: Sand Gleyed Matrix	0-7 cm organic; 7-15 cm 7.5YR 2.5/2; 15-33 cm 7.5YR 3/3; 33-46 cm 10YR 5/3 (40%); 7.5YR 4/4 (60%)	Outflow	Surface Water; High Water Table; Saturation; Drainage Patterns	<i>Onoclea sensibilis</i> ; <i>Osmunda cinnamomea</i> ; <i>Carex stipata</i> ; <i>Carex crinita</i> ; <i>Common jewelweed</i> ; <i>Symphytichum lateriflorum</i> ; <i>Rubus sp.</i> ; <i>Poa compressa</i>	<i>Picea rubens</i>	<i>Acer saccharum</i> ; <i>Betula alleghaniensis</i> ; <i>Fraxinus americana</i> ; <i>Picea rubens</i>	Full	No
WL118	Mixedwood	Mossy bank upslope from wetland. Sparse herb layer.	0-2 cm organic; 2-28 cm 7.5 YR 4/4	<i>Acer rubrum</i> ; <i>Dryopteris cristata</i> ; <i>Linnæa borealis</i>	<i>Abies balsamea</i> ; <i>Betula papyrifera</i>	<i>Abies balsamea</i> ; <i>Betula papyrifera</i> ; <i>Acer rubrum</i>	Basin	Treed swamp	Dark clay under thin layer of organic	0-7 cm organic; 7-36 cm 10YR 3/2; 36-40 cm 10 YR 3/6; refusal	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns	<i>Osmunda cinnamomea</i> ; <i>Parathelypteris noveboracensis</i> ; <i>Cornus canadensis</i> ; <i>Equisetum sylvaticum</i> ; <i>Gaultheria hispidula</i> ; <i>Acer rubrum</i>	<i>Ilex mucronata</i> ; <i>Acer rubrum</i> ; <i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i>	Partial	No
WL119	Softwood	Slopes into wetland, young dense softwood stand. Ground cover is exclusively moss.	0-5 cm organic; 5-44 cm 7.5YR 4/4	None observed	<i>Abies balsamea</i> ; <i>Picea rubens</i>	<i>Acer rubrum</i> ; <i>Picea rubens</i> ; <i>Abies balsamea</i>	Basin	Shrub swamp	F8: Redox Depressions	0-10 cm organic; 10-18 cm 10YR 4/2; 18-42 cm 10YR 5/1 (60%); 7.5YR-4/6 (40%)	Isolated	High Water Table; Saturation; Hydrogen Sulfide Odor	<i>Doellingeria umbellata</i> ; <i>Populus grandidentata</i> ; <i>Coptis trifolia</i> ; <i>Linnæa borealis</i> ; <i>Cornus canadensis</i> ; <i>Osmunda cinnamomea</i> ; <i>Carex brunnescens</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i>	<i>Picea mariana</i> ; <i>Picea rubens</i>	Partial	No
WL120	Softwood	Dense softwood.	0-15cm upland organic; 16-35cm 7.5YR 3/4	<i>Maianthemum canadense</i> ; <i>Oxalis montana</i> ; <i>Abies balsamea</i> ; <i>Cornus canadensis</i> ; <i>Lysimachia borealis</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Acer rubrum</i>	<i>Abies balsamea</i> ; <i>Betula alleghaniensis</i> ; <i>Picea rubens</i> ; <i>Acer rubrum</i>	Basin	Fen	A1: Depleted Below Dark Surface	0-12 cm organic; 12-20 cm 5YR 4/1; 20-27 cm 5YR 3/1	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns	<i>Cornus canadensis</i> ; <i>Equisetum sylvaticum</i> ; <i>Maianthemum canadense</i> ; <i>Rubus idaeus</i> ; <i>Solidago rugosa</i> ; <i>Onoclea sensibilis</i> ; <i>Doellingeria umbellata</i> ; <i>Dryopteris cristata</i> ; <i>Carex gynandra</i> ; <i>Calamagrostis canadensis</i> ; <i>Glyceria striata</i> ; <i>Oxalis montana</i>	<i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Betula alleghaniensis</i>	Partial	No

Wetland ID	Upland Characteristics and Habitat						Wetland Characteristics and Habitat									Full or Partial Delineation	Mapped WSS
	Dominant Habitat	Habitat Notes	Soil colorimetric classification	Herbaceous Layer	Shrub Layer	Tree Layer	Landform	Wetland Type (dominant, other)	Soil Types	Soil Notes	Waterflow	Hydrological Indicators	Herbaceous Layer	Shrub Layer	Tree Layer		
WL121	Mixedwood	Up slope from wetland. Sparse herb layer. Balsam fir dominant softwood stand.	0-5 cm organic; 5-20 cm 5YR 5/3; refusal	<i>Abies balsamea</i>	<i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Acer rubrum</i> ; <i>Picea rubens</i> ; <i>Populus grandidentata</i>	Slope	Treed swamp	A1: Histosol	10 cm organic; refusal	Throughflow	Surface Water; High Water Table; Saturation	<i>Rubus idaeus</i> ; <i>Cornus canadensis</i> ; <i>Doellingeria umbellata</i> ; <i>Dryopteris cristata</i> ; <i>Mitella nuda</i> ; <i>Coptis trifolia</i>	None observed	<i>Abies balsamea</i>	Partial	No
WL122	Softwood	Spruce / balsam fir dominant.	0-5 cm organic; 5-7 cm 10YR 3/3; 7-15 cm 10YR 4/4	<i>Cornus canadensis</i> ; <i>Vaccinium myrtilloides</i> ; <i>Maianthemum canadense</i> ; <i>Gaultheria procumbens</i> ; <i>Lysimachia borealis</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Betula populifolia</i> ; <i>Abies balsamea</i>	Basin	Treed swamp	A2: Histic epipedon	0-12 cm organic; 12-15 cm mineral 2.5Y 5/3	Throughflow	Surface Water; High Water Table; Saturation; Drainage Patterns	<i>Doellingeria umbellata</i> ; <i>Rubus idaeus</i> ; <i>Kalmia angustifolia</i> ; <i>Rubus hispidus</i>	<i>Alnus incana</i> ; <i>Viburnum nudum</i> ; <i>Spiraea alba</i> ; <i>Picea mariana</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i> ; <i>Betula populifolia</i>	Partial	No
WL123	Mixedwood	Softwood dominant mixedwood stand.	0-4 cm organic; 4-10 cm 5YR 3/4; 10-20 cm 10YR 4/6	<i>Cornus canadensis</i> ; <i>Rubus hispidus</i> ; <i>Maianthemum canadense</i> ; <i>Lysimachia borealis</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i>	<i>Picea rubens</i> ; <i>Abies balsamea</i> ; <i>Pinus strobus</i> ; <i>Acer rubrum</i> ; <i>Betula papyrifera</i>	Basin	Marsh	F8: Redox Depressions	0-5 cm mucky organic; 5-15 cm mineral 7.5YR 4/2 with redox (7.5YR 4/5)	Isolated	Surface Water; High Water Table; Saturation	<i>Grass spp.</i> ; <i>Juncus effusus</i> ; <i>Carex pellita</i> ; <i>Calamagrostis canadensis</i> ; <i>Goldenrod sp.</i>	None observed	None observed	Partial	No
WL124	Softwood	Lots of windthrow and fallen trees, thick mat of Shreibers moss. Mainly softwoods but most have fallen down.	0-7 cm organic; 7-30 cm 10YR 6/2; 31-57 cm 5YR 4/3; refusal	<i>Abies balsamea</i> ; <i>Vaccinium myrtilloides</i> ; <i>Kalmia angustifolia</i>	<i>Abies balsamea</i>	<i>Abies balsamea</i> ; <i>Picea rubens</i> ; <i>Acer rubrum</i>	Fringe	Treed swamp	S1: Sandy Mucky Mineral	0-11 cm organic; 11-19 cm 10YR 5/3; 19-29 cm 10YR 4/3; 29-33 cm 7.5YR 5/6; 33-71 cm 5YR 4/4	Throughflow	High Water Table; Saturation; Drainage Patterns; Surface Water	<i>Ilex mucronata</i> ; <i>Osmunda cinnamomea</i> ; <i>Cornus canadensis</i> ; <i>Vaccinium myrtilloides</i> ; <i>Acer rubrum</i> ; <i>Kalmia angustifolia</i> ; <i>Gaultheria hispidula</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i>	<i>Abies balsamea</i> ; <i>Picea mariana</i>	Partial	No



Photo 1. A representative photo of WL2.



Photo 2. A representative photo of WL3.



Photo 3. A representative photo of WL4.



Photo 4. A representative photo of WL5.



Photo 5. A representative photo of WL7.



Photo 6. A representative photo of WL16.



Photo 7. A representative photo of WL17.



Photo 8. A representative photo of WL18.



Photo 9. A representative photo of WL19.



Photo 10. A representative photo of WL22.



Photo 11. A representative photo of WL24.



Photo 12. A representative photo of WL35.



Photo 13. A representative photo of WL39.



Photo 14. A representative photo of WL40.



Photo 15. A representative photo of WL41.



Photo 16. A representative photo of WL42.



Photo 17. A representative photo of WL43.



Photo 18. A representative photo of WL44.



Photo 19. A representative photo of WL45.



Photo 20. A representative photo of WL46.



Photo 21. A representative photo of WL47.



Photo 22. A representative photo of WL49.



Photo 23. A representative photo of WL50.



Photo 24. A representative photo of WL51.



Photo 25. A representative photo of WL52.



Photo 26. A representative photo of WL53.



Photo 27. A representative photo of WL55.



Photo 28. A representative photo of WL56.



Photo 29. A representative photo of WL57A/B.



Photo 30. A representative photo of WL58.



Photo 31. A representative photo of WL59.



Photo 32. A representative photo of WL60.



Photo 33. A representative photo of WL61.



Photo 34. A representative photo of WL62.



Photo 35. A representative photo of WL63.



Photo 36. A representative photo of WL64.



Photo 37. A representative photo of WL65A/B.



Photo 38. A representative photo of WL66.



Photo 39. A representative photo of WL67.



Photo 40. A representative photo of WL68.



Photo 41. A representative photo of WL69.



Photo 42. A representative photo of WL70



Photo 43. A representative photo of WL72.



Photo 44. A representative photo of WL74.



Photo 45. A representative photo of WL76.



Photo 46. A representative photo of WL78.



Photo 47. A representative photo of WL79.



Photo 48. A representative photo of WL83.



Photo 49. A representative photo of WL88.



Photo 50. A representative photo of WL90.



Photo 51. A representative photo of WL95A/B.



Photo 52. A representative photo of WL96.



Photo 53. A representative photo of WL97.



Photo 54. A representative photo of WL98.



Photo 55. A representative photo of WL99.



Photo 56. A representative photo of WL100.



Photo 57. A representative photo of WL101.



Photo 58. A representative photo of WL102.



Photo 59. A representative photo of WL103.



Photo 60. A representative photo of WL104.



Photo 61. A representative photo of WL107.



Photo 62. A representative photo of WL108.



Photo 63. A representative photo of WL109.



Photo 64. A representative photo of WL110.



Photo 65. A representative photo of WL111.



Photo 66. A representative photo of WL112.



Photo 67. A representative photo of WL113.



Photo 68. A representative photo of WL114.



Photo 69. A representative photo of WL115.



Photo 70. A representative photo of WL116.



Photo 71. A representative photo of WL117.



Photo 72. A representative photo of WL118.



Photo 73. A representative photo of WL119.



Photo 74. A representative photo of WL120.



Photo 75. A representative photo of WL121.



Photo 76. A representative photo of WL122.



Photo 77. A representative photo of WL123.



Photo 78. A representative photo of WL124.

Assessment Area (AA) Results:

Wetland ID: WL2

Date: July 27, 2023

Observer: Darcy Kavanagh, Ross Szendrei

Latitude & Longitude (decimal degrees): 45.5824, 63.2718

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)	6.21	Moderate	8.91	Higher	6.58	3.95
Stream Flow Support (SFS)	0.54	Lower	0.00	Lower	0.44	0.00
Water Cooling (WC)	4.80	Moderate	0.00	Lower	3.20	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.32	Moderate	10.00	0.65
Phosphorus Retention (PR)	2.85	Lower	1.50	Moderate	5.53	1.17
Nitrate Removal & Retention (NR)	10.00	Higher	3.89	Moderate	10.00	3.89
Carbon Sequestration (CS)	2.97	Lower			6.60	
Organic Nutrient Export (OE)	7.88	Higher			5.15	
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)	8.37	Higher	4.79	Moderate	6.91	3.82
Amphibian & Turtle Habitat (AM)	7.06	Higher	6.65	Higher	6.83	7.24
Waterbird Feeding Habitat (WBF)	5.09	Moderate	10.00	Higher	3.88	10.00
Waterbird Nesting Habitat (WBN)	6.05	Moderate	10.00	Higher	4.39	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.01	Higher	10.00	Higher	7.84	10.00
Pollinator Habitat (POL)	8.92	Higher	10.00	Higher	7.40	10.00
Native Plant Habitat (PH)	3.58	Moderate	8.41	Higher	5.33	8.41
Public Use & Recognition (PU)			1.68	Moderate		1.45
Wetland Sensitivity (Sens)			4.22	Lower		3.37
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			4.35	Moderate		2.28
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.21	Moderate	8.91	Higher	6.58	3.95
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.23	Higher	3.06	Lower	9.02	2.90
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.88	Higher	3.19	Lower	5.42	2.55
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.35	Moderate	7.66	Higher	4.92	7.72
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.09	Higher	9.74	Higher	7.35	9.74
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			4.29	Lower		2.83

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
SUPPORT SUPERGROUP - HYDROLOGIC	55.35223751	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	25.20296541	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	21.96000029	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	41.02946431	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	78.77834698	Moderate

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: August 2, 2023

Observer: Darcy Kavanagh, Ross Szendrei

Latitude & Longitude (decimal degrees): 45.582259, - 63.266397

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)	1.97	Lower	10.00	Higher	3.42	5.85
Stream Flow Support (SFS)	2.72	Moderate	7.64	Moderate	2.19	5.09
Water Cooling (WC)	7.63	Higher	2.78	Moderate	5.08	1.51
Sediment Retention & Stabilisation (SR)	1.41	Lower	2.46	Moderate	3.29	1.20
Phosphorus Retention (PR)	0.71	Lower	4.07	Higher	4.19	3.17
Nitrate Removal & Retention (NR)	2.86	Moderate	3.89	Moderate	4.84	3.89
Carbon Sequestration (CS)	1.41	Lower			5.86	
Organic Nutrient Export (OE)	7.69	Higher			5.03	
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)	4.46	Moderate	4.49	Moderate	5.31	3.66
Amphibian & Turtle Habitat (AM)	7.26	Higher	6.27	Higher	6.92	6.93
Waterbird Feeding Habitat (WBF)	4.49	Moderate	10.00	Higher	3.42	10.00
Waterbird Nesting Habitat (WBN)	5.89	Moderate	10.00	Higher	4.27	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.47	Higher	10.00	Higher	7.37	10.00
Pollinator Habitat (POL)	7.10	Moderate	3.33	Moderate	5.89	3.33
Native Plant Habitat (PH)	1.97	Lower	5.53	Moderate	4.69	5.53
Public Use & Recognition (PU)			0.23	Lower		0.46
Wetland Sensitivity (Sens)			5.12	Moderate		3.63
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.79	Moderate		2.49
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.97	Lower	10.00	Higher	3.42	5.85
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.23	Lower	3.77	Moderate	5.20	3.32
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.66	Higher	6.31	Moderate	4.86	4.25
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.39	Moderate	7.63	Higher	4.92	7.69
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.16	Higher	8.14	Moderate	6.68	8.14
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			4.96	Moderate		3.06

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	19.70671701	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	8.404182873	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	41.98411737	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	41.11975786	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	58.30815991	Low

3a. Functional WSS Determination: Automatic Method

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: July 27, 2023

Observer: Darcy Kavanagh, Ross Szendrei

Latitude & Longitude (decimal degrees): 41.2386, 63.2714

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)	6.36	Moderate	9.19	Higher	6.69	4.08
Stream Flow Support (SFS)	0.98	Lower	0.00	Lower	0.79	0.00
Water Cooling (WC)	4.80	Moderate	0.00	Lower	3.20	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.32	Moderate	10.00	0.65
Phosphorus Retention (PR)	4.14	Moderate	1.50	Moderate	6.33	1.17
Nitrate Removal & Retention (NR)	10.00	Higher	3.89	Moderate	10.00	3.89
Carbon Sequestration (CS)	4.50	Moderate			7.33	
Organic Nutrient Export (OE)	8.38	Higher			5.47	
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)	6.38	Higher	3.55	Moderate	6.10	3.15
Amphibian & Turtle Habitat (AM)	2.69	Lower	6.86	Higher	4.53	7.41
Waterbird Feeding Habitat (WBF)	5.58	Moderate	10.00	Higher	4.25	10.00
Waterbird Nesting Habitat (WBN)	2.97	Moderate	10.00	Higher	2.15	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.18	Higher	10.00	Higher	7.99	10.00
Pollinator Habitat (POL)	9.03	Higher	10.00	Higher	7.48	10.00
Native Plant Habitat (PH)	5.28	Moderate	8.49	Higher	6.01	8.49
Public Use & Recognition (PU)			1.68	Moderate		1.45
Wetland Sensitivity (Sens)			8.84	Higher		4.69
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.35	Moderate		2.28
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.36	Moderate	9.19	Higher	6.69	4.08
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.58	Higher	3.06	Lower	9.21	2.90
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.76	Higher	2.36	Lower	4.99	2.10
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.91	Moderate	7.69	Higher	3.36	7.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.51	Higher	9.75	Higher	7.58	9.75
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			6.60	Moderate		3.48

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
SUPPORT SUPERGROUP - HYDROLOGIC	58.42403546	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	26.28126426	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	15.97241841	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	30.08078737	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	82.91580274	Moderate

3a. Functional WSS Determination: Automatic Method

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: July 27, 2023

Observer: Darcy Kavanagh, Ross Szendrei

Latitude & Longitude (decimal degrees): 45.581626, -63.262516

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)	1.78	Lower	9.64	Higher	3.28	4.28
Stream Flow Support (SFS)	1.62	Moderate	6.84	Moderate	1.31	4.55
Water Cooling (WC)	7.05	Higher	0.81	Lower	4.70	0.44
Sediment Retention & Stabilisation (SR)	2.69	Lower	1.32	Moderate	4.30	0.65
Phosphorus Retention (PR)	1.90	Lower	1.50	Moderate	4.93	1.17
Nitrate Removal & Retention (NR)	3.69	Moderate	3.89	Moderate	5.44	3.89
Carbon Sequestration (CS)	2.87	Lower			6.55	
Organic Nutrient Export (OE)	9.75	Higher			6.37	
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)	6.13	Higher	4.58	Moderate	5.99	3.71
Amphibian & Turtle Habitat (AM)	7.70	Higher	6.18	Higher	7.16	6.85
Waterbird Feeding Habitat (WBF)	4.97	Moderate	10.00	Higher	3.78	10.00
Waterbird Nesting Habitat (WBN)	6.25	Moderate	10.00	Higher	4.53	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.79	Higher	10.00	Higher	6.78	10.00
Pollinator Habitat (POL)	9.03	Higher	10.00	Higher	7.48	10.00
Native Plant Habitat (PH)	3.52	Lower	8.09	Higher	5.31	8.09
Public Use & Recognition (PU)			1.68	Moderate		1.45
Wetland Sensitivity (Sens)			9.23	Higher		4.80
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			4.35	Moderate		2.28
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.78	Lower	9.64	Higher	3.28	4.28
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.24	Moderate	3.06	Lower	5.93	2.90
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.94	Higher	5.46	Moderate	5.48	3.72
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.74	Moderate	7.62	Higher	5.13	7.69
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.90	Higher	9.68	Higher	7.00	9.68
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			6.79	Higher		3.54

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
SUPPORT SUPERGROUP - HYDROLOGIC	17.18891551	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	9.912995281	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	43.31835886	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	43.75731837	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	76.49788859	Moderate

3a. Functional WSS Determination: Automatic Method

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: July 27, 2023

Observer: Darcy Kavanagh, Ross Szendrei

Latitude & Longitude (decimal degrees): 45.581626°N , 63.262516°W

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)	6.21	Moderate	9.64	Higher	6.58	4.28
Stream Flow Support (SFS)	0.54	Lower	0.00	Lower	0.44	0.00
Water Cooling (WC)	4.80	Moderate	0.00	Lower	3.20	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.32	Moderate	10.00	0.65
Phosphorus Retention (PR)	2.85	Lower	1.50	Moderate	5.53	1.17
Nitrate Removal & Retention (NR)	10.00	Higher	3.89	Moderate	10.00	3.89
Carbon Sequestration (CS)	2.97	Lower			6.60	
Organic Nutrient Export (OE)	7.88	Higher			5.15	
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)	8.37	Higher	4.79	Moderate	6.91	3.82
Amphibian & Turtle Habitat (AM)	7.06	Higher	6.65	Higher	6.83	7.24
Waterbird Feeding Habitat (WBF)	5.09	Moderate	10.00	Higher	3.88	10.00
Waterbird Nesting Habitat (WBN)	6.05	Moderate	10.00	Higher	4.39	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.01	Higher	10.00	Higher	7.84	10.00
Pollinator Habitat (POL)	8.92	Higher	10.00	Higher	7.40	10.00
Native Plant Habitat (PH)	3.58	Moderate	8.41	Higher	5.33	8.41
Public Use & Recognition (PU)			1.68	Moderate		1.45
Wetland Sensitivity (Sens)			4.34	Lower		3.41
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			4.35	Moderate		2.28
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.21	Moderate	9.64	Higher	6.58	4.28
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.23	Higher	3.06	Lower	9.02	2.90
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.88	Higher	3.19	Lower	5.42	2.55
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.35	Moderate	7.66	Higher	4.92	7.72
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.09	Higher	9.74	Higher	7.35	9.74
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			4.34	Lower		2.84

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
SUPPORT SUPERGROUP - HYDROLOGIC	59.90653553	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	25.20296541	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	21.96000029	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	41.02946431	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	78.77834698	Moderate

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: August 1, 2023

Observer: Sarah Langeman

Latitude & Longitude (decimal degrees): 45.558753, -63.269111

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)	9.61	Higher	8.15	Higher	9.12	3.61
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	0.91	Lower	7.78	0.44
Phosphorus Retention (PR)	2.52	Lower	0.86	Lower	5.32	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	2.22	Lower	10.00	2.22
Carbon Sequestration (CS)	8.27	Higher			9.11	
Organic Nutrient Export (OE)	6.98	Moderate			4.57	
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	0.88	Lower	6.23	1.72
Amphibian & Turtle Habitat (AM)	1.08	Lower	3.24	Moderate	3.69	4.43
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
Songbird, Raptor, & Mammal Habitat (SBM)	7.60	Higher	6.67	Moderate	6.62	6.67
Pollinator Habitat (POL)	7.88	Moderate	6.67	Moderate	6.53	6.67
Native Plant Habitat (PH)	0.00	Lower	0.00	Lower	0.00	0.00
Public Use & Recognition (PU)			1.99	Moderate		1.66
Wetland Sensitivity (Sens)			10.00	Higher		5.96
Wetland Ecological Condition (EC)			0.00	Lower		5.00
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	9.61	Higher	8.15	Higher	9.12	3.61
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.49	Higher	1.78	Lower	9.03	1.67
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.20	Moderate	0.59	Lower	4.46	1.15
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	0.65	Lower	1.94	Moderate	2.21	2.66
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.52	Moderate	5.56	Moderate	5.50	5.56
WETLAND CONDITION (EC)			0.00	Lower		5.00
WETLAND RISK (average of Sensitivity & Stressors)			7.21	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	78.36339746	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	15.08027967	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.052386171	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.254966517	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	36.21540773	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: August 2, 2023

Observer: Mason Koch, Sarah Langeman

Latitude & Longitude (decimal degrees): 45.5588, -63.268592

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)	6.40	Moderate	8.14	Higher	6.72	3.61
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	2.40	Moderate	0.00	Lower	1.60	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.13	Moderate	10.00	0.56
Phosphorus Retention (PR)	10.00	Higher	1.29	Moderate	10.00	1.00
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	4.77	Moderate			7.46	
Organic Nutrient Export (OE)	5.46	Moderate			3.57	
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)	3.61	Moderate	4.37	Moderate	4.97	3.60
Amphibian & Turtle Habitat (AM)	5.31	Moderate	5.00	Moderate	5.90	5.88
Waterbird Feeding Habitat (WBF)	5.68	Moderate	6.67	Moderate	4.33	6.67
Waterbird Nesting Habitat (WBN)	6.47	Moderate	6.67	Higher	4.69	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	7.65	Higher	6.67	Moderate	6.66	6.67
Pollinator Habitat (POL)	8.35	Higher	6.67	Moderate	6.92	6.67
Native Plant Habitat (PH)	3.66	Moderate	6.75	Moderate	5.36	6.75
Public Use & Recognition (PU)			0.37	Lower		0.55
Wetland Sensitivity (Sens)			10.00	Higher		5.46
Wetland Ecological Condition (EC)			8.84	Higher		9.44
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.40	Moderate	8.14	Higher	6.72	3.61
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.35	Higher	2.63	Lower	9.68	2.48
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.17	Moderate	2.91	Lower	3.75	2.40
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.98	Moderate	5.17	Higher	4.44	5.25
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.45	Higher	6.72	Moderate	6.61	6.72
WETLAND CONDITION (EC)			8.84	Higher		9.44
WETLAND RISK (average of Sensitivity & Stressors)			7.17	Higher		3.87

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	52.04243077	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	24.54044689	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	12.12670749	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	25.72364293	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	50.04756121	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: August 10, 2023

Observer: Mason Koch

Latitude & Longitude (decimal degrees): 45.557735, -63.269279

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)	0.00	Lower	0.00	Lower	0.31	0.00
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)	0.00	Lower	0.00	Lower	0.41	0.00
Phosphorus Retention (PR)	0.00	Lower	10.00	Higher	1.34	10.00
Nitrate Removal & Retention (NR)	0.00	Lower	10.00	Higher	1.09	10.00
Carbon Sequestration (CS)	0.00	Lower			1.91	
Organic Nutrient Export (OE)	0.74	Moderate			0.48	
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)	0.94	Lower	0.90	Lower	3.88	1.73
Amphibian & Turtle Habitat (AM)	2.79	Lower	3.14	Moderate	4.59	4.35
Waterbird Feeding Habitat (WBF)	2.29	Moderate	10.00	Higher	1.74	10.00
Waterbird Nesting Habitat (WBN)	3.74	Moderate	10.00	Higher	2.72	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	1.51	Moderate	10.00	Higher	1.31	10.00
Pollinator Habitat (POL)	3.90	Moderate	10.00	Higher	3.23	10.00
Native Plant Habitat (PH)	0.00	Lower	4.85	Lower	1.76	4.85
Public Use & Recognition (PU)			2.80	Moderate		2.22
Wetland Sensitivity (Sens)			0.00	Lower		1.81
Wetland Ecological Condition (EC)			0.00	Lower		0.00
Wetland Stressors (STR) (higher score means more stress)			4.40	Moderate		2.30
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.00	Lower	0.00	Lower	0.31	0.00
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	0.00	Lower	8.33	Higher	1.55	8.33
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	0.68	Lower	0.60	Lower	2.48	1.15
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.75	Lower	7.31	Higher	3.20	7.44
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	2.85	Moderate	9.14	Higher	2.67	9.14
WETLAND CONDITION (EC)			0.00	Lower		0.00
WETLAND RISK (average of Sensitivity & Stressors)			2.20	Lower		2.06

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	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	0	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	0.406946548	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	20.15003567	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	26.04595664	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: August 1, 2023

Observer: Mason Koch

Latitude & Longitude (decimal degrees): 45.556747, -63.270542

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	8.14	Higher	8.57	3.61
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)	2.99	Lower	0.43	Lower	5.61	0.33
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Carbon Sequestration (CS)	5.43	Moderate			7.76	
Organic Nutrient Export (OE)	6.56	Moderate			4.29	
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)	4.73	Moderate	0.58	Lower	5.42	1.56
Amphibian & Turtle Habitat (AM)	0.72	Lower	2.92	Moderate	3.50	4.17
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)	6.72	Moderate	6.67	Moderate	5.85	6.67
Pollinator Habitat (POL)	8.73	Higher	6.67	Moderate	7.24	6.67
Native Plant Habitat (PH)	3.17	Lower	6.58	Moderate	5.17	6.58
Public Use & Recognition (PU)			0.37	Lower		0.55
Wetland Sensitivity (Sens)			10.00	Higher		5.96
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.88	Higher	8.14	Higher	8.57	3.61
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.37	Higher	1.81	Lower	9.03	1.76
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.69	Moderate	0.39	Lower	3.92	1.04
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	0.43	Lower	1.75	Lower	2.10	2.50
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.47	Higher	6.65	Moderate	6.66	6.65
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			7.17	Higher		4.11

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	72.29282534	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	15.18710983	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	1.827284053	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0.763129868	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	49.69228123	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: July 27, 2023

Observer: Mason Koch

Latitude & Longitude (decimal degrees): 45.556697, -63.268369

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)	8.94	Higher	8.09	Higher	8.62	3.58
Stream Flow Support (SFS)	1.14	Lower	0.00	Lower	0.92	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)	3.83	Moderate	0.86	Lower	6.14	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	2.22	Lower	10.00	2.22
Carbon Sequestration (CS)	6.71	Higher			8.37	
Organic Nutrient Export (OE)	7.94	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)	7.69	Higher	1.18	Moderate	6.63	1.88
Amphibian & Turtle Habitat (AM)	3.26	Lower	3.17	Moderate	4.83	4.37
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)	7.42	Moderate	6.67	Moderate	6.45	6.67
Pollinator Habitat (POL)	5.94	Moderate	6.67	Moderate	4.92	6.67
Native Plant Habitat (PH)	3.52	Lower	6.01	Moderate	5.31	6.01
Public Use & Recognition (PU)			0.37	Lower		0.55
Wetland Sensitivity (Sens)			7.54	Higher		4.32
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.94	Higher	8.09	Higher	8.62	3.58
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.37	Higher	1.78	Lower	8.97	1.67
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.07	Higher	0.79	Lower	4.91	1.25
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.96	Lower	1.90	Moderate	2.90	2.62
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.52	Moderate	6.56	Moderate	6.01	6.56
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			5.94	Moderate		3.30

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	72.29352871	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	14.86406854	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.787174522	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	3.725278273	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	42.7555293	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: July 27, 2023

Observer: Sarah Langeman

Latitude & Longitude (decimal degrees): 45.556014, -63.267286

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)	0.00	Lower	7.99	Higher	1.84	3.54
Stream Flow Support (SFS)	5.52	Higher	9.52	Higher	4.44	6.34
Water Cooling (WC)	4.42	Moderate	6.92	Higher	2.94	3.75
Sediment Retention & Stabilisation (SR)	0.00	Lower	2.36	Moderate	1.97	1.16
Phosphorus Retention (PR)	2.34	Lower	2.23	Moderate	5.21	1.74
Nitrate Removal & Retention (NR)	1.84	Lower	5.17	Moderate	4.10	5.17
Carbon Sequestration (CS)	4.57	Moderate			7.36	
Organic Nutrient Export (OE)	7.24	Moderate			4.74	
Anadromous Fish Habitat (FA)	5.40	Higher	2.25	Moderate	3.54	1.43
Resident Fish Habitat (FR)	5.06	Moderate	2.13	Moderate	2.75	1.33
Aquatic Invertebrate Habitat (INV)	1.90	Lower	6.05	Higher	4.27	4.50
Amphibian & Turtle Habitat (AM)	3.54	Lower	5.72	Higher	4.98	6.47
Waterbird Feeding Habitat (WBF)	6.10	Moderate	6.67	Moderate	4.64	6.67
Waterbird Nesting Habitat (WBN)	4.15	Moderate	6.67	Higher	3.01	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	9.32	Higher	6.67	Moderate	8.11	6.67
Pollinator Habitat (POL)	8.81	Higher	6.67	Moderate	7.30	6.67
Native Plant Habitat (PH)	4.87	Moderate	7.36	Moderate	5.84	7.36
Public Use & Recognition (PU)			1.99	Moderate		1.66
Wetland Sensitivity (Sens)			8.97	Higher		4.73
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			7.90	Higher		3.98
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.00	Lower	7.99	Higher	1.84	3.54
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.38	Moderate	4.21	Moderate	6.01	3.93
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.01	Higher	8.51	Higher	4.42	5.60
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.47	Moderate	5.68	Higher	4.38	5.59
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.49	Higher	7.13	Moderate	7.60	7.13
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			8.44	Higher		4.35

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	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	14.21536738	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	51.13030809	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	31.07471157	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	60.54145347	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 A/B

Date: July 18, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.545742, -63.290400

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)	0.00	Lower	10.00	Higher	1.83	5.85
Stream Flow Support (SFS)	6.90	Higher	7.78	Higher	5.56	5.18
Water Cooling (WC)	8.40	Higher	4.57	Moderate	5.60	2.48
Sediment Retention & Stabilisation (SR)	0.69	Lower	3.40	Higher	2.73	1.67
Phosphorus Retention (PR)	3.82	Moderate	2.79	Higher	6.13	2.17
Nitrate Removal & Retention (NR)	1.97	Lower	4.67	Moderate	4.20	4.67
Carbon Sequestration (CS)	3.02	Lower			6.63	
Organic Nutrient Export (OE)	9.31	Higher			6.09	
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)	5.86	Higher	3.83	Moderate	5.88	3.31
Amphibian & Turtle Habitat (AM)	3.37	Lower	6.57	Higher	4.89	7.17
Waterbird Feeding Habitat (WBF)	4.88	Moderate	10.00	Higher	3.72	10.00
Waterbird Nesting Habitat (WBN)	4.74	Moderate	10.00	Higher	3.44	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.96	Higher	10.00	Higher	7.80	10.00
Pollinator Habitat (POL)	8.13	Higher	10.00	Higher	6.73	10.00
Native Plant Habitat (PH)	4.55	Moderate	8.18	Higher	5.72	8.18
Public Use & Recognition (PU)			0.23	Lower		0.46
Wetland Sensitivity (Sens)			5.18	Moderate		3.65
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			6.19	Higher		3.16
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.00	Lower	10.00	Higher	1.83	5.85
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.10	Moderate	4.14	Moderate	5.77	3.75
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.46	Higher	6.59	Moderate	5.93	4.42
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.74	Moderate	7.66	Higher	3.65	7.72
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.09	Higher	9.70	Higher	7.28	9.70
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			5.69	Moderate		3.40

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
SUPPORT SUPERGROUP - HYDROLOGIC	0	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	12.83285573	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	55.7742313	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	28.63792768	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	78.42290772	Moderate

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: July 14, 2023

Observer: Darcy Kavanagh, Pierre Hepburn

Latitude & Longitude (decimal degrees): 45.545086, -63.284742

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)	2.18	Lower	10.00	Higher	3.57	4.75
Stream Flow Support (SFS)	2.62	Moderate	6.39	Moderate	2.11	4.25
Water Cooling (WC)	4.67	Moderate	1.83	Lower	3.11	0.99
Sediment Retention & Stabilisation (SR)	2.79	Lower	2.41	Moderate	4.38	1.18
Phosphorus Retention (PR)	2.83	Lower	2.23	Moderate	5.52	1.74
Nitrate Removal & Retention (NR)	1.66	Lower	5.00	Moderate	3.97	5.00
Carbon Sequestration (CS)	5.15	Moderate			7.63	
Organic Nutrient Export (OE)	9.60	Higher			6.27	
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)	6.29	Higher	4.60	Moderate	6.06	3.72
Amphibian & Turtle Habitat (AM)	2.24	Lower	7.16	Higher	4.30	7.66
Waterbird Feeding Habitat (WBF)	6.42	Moderate	10.00	Higher	4.89	10.00
Waterbird Nesting Habitat (WBN)	6.98	Higher	10.00	Higher	5.06	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.29	Higher	10.00	Higher	8.08	10.00
Pollinator Habitat (POL)	7.67	Moderate	3.33	Moderate	6.35	3.33
Native Plant Habitat (PH)	5.21	Moderate	5.92	Moderate	5.98	5.92
Public Use & Recognition (PU)			0.72	Lower		0.79
Wetland Sensitivity (Sens)			10.00	Higher		5.74
Wetland Ecological Condition (EC)			6.52	Higher		8.33
Wetland Stressors (STR) (higher score means more stress)			6.10	Higher		3.11
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.18	Lower	10.00	Higher	3.57	4.75
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.13	Moderate	4.11	Moderate	6.50	3.82
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.70	Higher	5.33	Moderate	5.33	3.62
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.06	Moderate	7.72	Higher	3.96	7.77
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.34	Higher	8.21	Moderate	7.44	8.21
WETLAND CONDITION (EC)			6.52	Higher		8.33
WETLAND RISK (average of Sensitivity & Stressors)			8.05	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	21.81298814	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	16.95730019	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	41.04359686	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	39.00248193	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	68.43871788	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: July 12, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5453320, -63.2577497

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)	4.18	Moderate	4.40	Moderate	5.07	1.95
Stream Flow Support (SFS)	0.85	Lower	0.00	Lower	0.69	0.00
Water Cooling (WC)	3.00	Moderate	0.67	Lower	2.00	0.36
Sediment Retention & Stabilisation (SR)	3.52	Lower	1.93	Moderate	4.94	0.94
Phosphorus Retention (PR)	1.23	Lower	1.70	Moderate	4.52	1.32
Nitrate Removal & Retention (NR)	3.67	Moderate	4.17	Moderate	5.43	4.17
Carbon Sequestration (CS)	0.54	Lower			5.45	
Organic Nutrient Export (OE)	7.90	Higher			5.16	
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)	2.23	Lower	4.85	Moderate	4.40	3.86
Amphibian & Turtle Habitat (AM)	8.19	Higher	6.56	Higher	7.41	7.16
Waterbird Feeding Habitat (WBF)	4.52	Moderate	10.00	Higher	3.44	10.00
Waterbird Nesting Habitat (WBN)	5.83	Moderate	10.00	Higher	4.23	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.25	Higher	10.00	Higher	8.05	10.00
Pollinator Habitat (POL)	7.46	Moderate	10.00	Higher	6.19	10.00
Native Plant Habitat (PH)	3.29	Lower	8.08	Higher	5.22	8.08
Public Use & Recognition (PU)			1.27	Lower		1.17
Wetland Sensitivity (Sens)			3.70	Lower		3.22
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			5.32	Moderate		2.74
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	4.18	Moderate	4.40	Moderate	5.07	1.95
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.96	Moderate	3.38	Moderate	5.27	3.16
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.70	Higher	3.34	Lower	4.11	2.63
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.95	Moderate	7.66	Higher	5.21	7.72
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.96	Higher	9.68	Higher	7.27	9.68
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			4.51	Moderate		2.98

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
SUPPORT SUPERGROUP - HYDROLOGIC	18.40441654	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	9.999924562	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	19.05102063	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	45.5234943	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	77.04019961	Moderate

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: July 19, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5452175, -63.2979448

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)	0.78	Lower	6.99	Higher	2.53	3.10
Stream Flow Support (SFS)	2.62	Moderate	8.30	Higher	2.11	5.52
Water Cooling (WC)	6.75	Higher	1.73	Lower	4.50	0.94
Sediment Retention & Stabilisation (SR)	0.89	Lower	1.04	Lower	2.89	0.51
Phosphorus Retention (PR)	3.28	Moderate	0.98	Lower	5.80	0.76
Nitrate Removal & Retention (NR)	2.82	Moderate	5.00	Moderate	4.81	5.00
Carbon Sequestration (CS)	4.17	Moderate			7.17	
Organic Nutrient Export (OE)	9.73	Higher			6.36	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	6.51	Higher	3.38	Moderate	3.53	2.11
Aquatic Invertebrate Habitat (INV)	9.54	Higher	5.47	Moderate	7.38	4.19
Amphibian & Turtle Habitat (AM)	3.75	Moderate	6.72	Higher	5.09	7.30
Waterbird Feeding Habitat (WBF)	5.99	Moderate	10.00	Higher	4.56	10.00
Waterbird Nesting Habitat (WBN)	6.38	Moderate	10.00	Higher	4.63	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.43	Higher	10.00	Higher	7.34	10.00
Pollinator Habitat (POL)	8.97	Higher	10.00	Higher	7.44	10.00
Native Plant Habitat (PH)	7.56	Higher	8.26	Higher	6.92	8.26
Public Use & Recognition (PU)			0.49	Lower		0.63
Wetland Sensitivity (Sens)			8.06	Higher		4.47
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			2.31	Lower		1.30
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.78	Lower	6.99	Higher	2.53	3.10
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.48	Moderate	3.67	Moderate	6.17	3.55
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.45	Higher	6.73	Moderate	6.24	4.54
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.52	Moderate	8.01	Higher	4.32	7.94
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.65	Higher	9.71	Higher	7.33	9.71
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			5.19	Moderate		2.89

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
SUPPORT SUPERGROUP - HYDROLOGIC	5.464926506	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	12.77961836	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	56.84771951	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	44.17811459	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	83.97493298	Moderate

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: July 10, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5447, 63.2614

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)	5.08	Moderate	7.22	Higher	5.74	3.20
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	2.63	Moderate	0.00	Lower	1.75	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.13	Moderate	10.00	0.56
Phosphorus Retention (PR)	10.00	Higher	1.07	Moderate	10.00	0.83
Nitrate Removal & Retention (NR)	10.00	Higher	2.78	Lower	10.00	2.78
Carbon Sequestration (CS)	1.36	Lower			5.84	
Organic Nutrient Export (OE)	5.78	Moderate			3.78	
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)	2.40	Lower	3.49	Moderate	4.47	3.12
Amphibian & Turtle Habitat (AM)	4.14	Moderate	6.53	Higher	5.29	7.14
Waterbird Feeding Habitat (WBF)	4.21	Moderate	10.00	Higher	3.21	10.00
Waterbird Nesting Habitat (WBN)	2.78	Moderate	10.00	Higher	2.01	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.45	Higher	10.00	Higher	8.22	10.00
Pollinator Habitat (POL)	8.37	Higher	10.00	Higher	6.94	10.00
Native Plant Habitat (PH)	3.75	Moderate	8.39	Higher	5.40	8.39
Public Use & Recognition (PU)			0.49	Lower		0.63
Wetland Sensitivity (Sens)			10.00	Higher		5.34
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.66	Moderate		2.43
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.08	Moderate	7.22	Higher	5.74	3.20
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.92	Higher	2.22	Lower	9.48	2.08
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.24	Moderate	2.33	Lower	3.49	2.08
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.22	Moderate	7.65	Higher	3.70	7.71
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.32	Higher	9.73	Higher	7.54	9.73
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			7.33	Higher		3.88

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
SUPPORT SUPERGROUP - HYDROLOGIC	36.66150281	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	19.79854857	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	9.86586929	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	24.63335573	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	80.95033944	Moderate

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: July 10, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.544417, -63.258092

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)	3.25	Lower	10.00	Higher	4.37	6.05
Stream Flow Support (SFS)	1.93	Moderate	8.13	Higher	1.56	5.41
Water Cooling (WC)	4.67	Moderate	1.93	Lower	3.11	1.05
Sediment Retention & Stabilisation (SR)	2.74	Lower	3.95	Higher	4.33	1.94
Phosphorus Retention (PR)	1.88	Lower	3.30	Higher	4.92	2.57
Nitrate Removal & Retention (NR)	3.44	Moderate	6.67	Moderate	5.26	6.67
Carbon Sequestration (CS)	2.58	Lower			6.41	
Organic Nutrient Export (OE)	9.48	Higher			6.20	
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)	3.43	Moderate	3.71	Moderate	4.89	3.24
Amphibian & Turtle Habitat (AM)	7.87	Higher	5.47	Higher	7.25	6.27
Waterbird Feeding Habitat (WBF)	4.23	Moderate	10.00	Higher	3.22	10.00
Waterbird Nesting Habitat (WBN)	4.68	Moderate	10.00	Higher	3.39	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.43	Moderate	10.00	Higher	5.60	10.00
Pollinator Habitat (POL)	6.40	Moderate	10.00	Higher	5.30	10.00
Native Plant Habitat (PH)	0.63	Lower	6.97	Moderate	4.15	6.97
Public Use & Recognition (PU)			2.45	Moderate		1.98
Wetland Sensitivity (Sens)			4.44	Lower		3.43
Wetland Ecological Condition (EC)			3.04	Lower		6.67
Wetland Stressors (STR) (higher score means more stress)			8.96	Higher		4.48
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	3.25	Lower	10.00	Higher	4.37	6.05
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.05	Moderate	5.65	Moderate	5.82	5.20
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.18	Higher	6.36	Moderate	5.07	4.32
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.61	Moderate	7.55	Higher	5.01	7.63
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.46	Moderate	9.49	Higher	5.31	9.49
WETLAND CONDITION (EC)			3.04	Lower		6.67
WETLAND RISK (average of Sensitivity & Stressors)			6.70	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
SUPPORT SUPERGROUP - HYDROLOGIC	32.51986635	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	17.24632743	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	45.66238393	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	42.34264457	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	51.8148054	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: July 12, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5440829, -63.2573018

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)	3.43	Lower	7.22	Higher	4.51	3.20
Stream Flow Support (SFS)	2.14	Moderate	7.73	Moderate	1.72	5.15
Water Cooling (WC)	7.05	Higher	0.88	Lower	4.70	0.48
Sediment Retention & Stabilisation (SR)	4.33	Moderate	2.09	Moderate	5.57	1.02
Phosphorus Retention (PR)	1.19	Lower	1.88	Moderate	4.49	1.46
Nitrate Removal & Retention (NR)	4.20	Moderate	4.50	Moderate	5.81	4.50
Carbon Sequestration (CS)	1.08	Lower			5.71	
Organic Nutrient Export (OE)	8.73	Higher			5.70	
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)	9.77	Higher	4.87	Moderate	7.48	3.87
Amphibian & Turtle Habitat (AM)	6.22	Moderate	7.44	Higher	6.38	7.89
Waterbird Feeding Habitat (WBF)	6.52	Higher	10.00	Higher	4.97	10.00
Waterbird Nesting Habitat (WBN)	4.37	Moderate	10.00	Higher	3.17	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	10.00	Higher	10.00	Higher	8.70	10.00
Pollinator Habitat (POL)	8.60	Higher	10.00	Higher	7.13	10.00
Native Plant Habitat (PH)	7.32	Higher	8.61	Higher	6.82	8.61
Public Use & Recognition (PU)			0.49	Lower		0.63
Wetland Sensitivity (Sens)			7.40	Higher		4.28
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			6.69	Higher		3.40
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	3.43	Lower	7.22	Higher	4.51	3.20
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.51	Moderate	3.66	Moderate	5.60	3.41
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.34	Higher	6.11	Moderate	6.19	4.16
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.97	Moderate	7.74	Higher	4.64	7.79
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	9.32	Higher	9.77	Higher	8.12	9.77
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			7.05	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
SUPPORT SUPERGROUP - HYDROLOGIC	24.78835564	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	12.86103549	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	51.01444961	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	38.49781994	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	91.01446363	High

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: July 14, 2023

Observer: Darcy Kavanagh, Pierre Hepburn

Latitude & Longitude (decimal degrees): 45.543614, -63.282581

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	2.82	Lower	3.57	1.25
Stream Flow Support (SFS)	3.14	Moderate	3.11	Moderate	2.53	2.07
Water Cooling (WC)	2.17	Moderate	1.69	Lower	1.44	0.92
Sediment Retention & Stabilisation (SR)	1.42	Lower	2.66	Moderate	3.31	1.30
Phosphorus Retention (PR)	0.29	Lower	2.68	Higher	3.93	2.08
Nitrate Removal & Retention (NR)	1.91	Lower	10.00	Higher	4.15	10.00
Carbon Sequestration (CS)	4.16	Moderate			7.16	
Organic Nutrient Export (OE)	7.17	Moderate			4.69	
Anadromous Fish Habitat (FA)	4.71	Higher	4.67	Higher	3.09	2.96
Resident Fish Habitat (FR)	8.87	Higher	4.75	Higher	4.82	2.96
Aquatic Invertebrate Habitat (INV)	2.52	Lower	6.77	Higher	4.52	4.89
Amphibian & Turtle Habitat (AM)	4.84	Moderate	6.85	Higher	5.66	7.40
Waterbird Feeding Habitat (WBF)	6.32	Moderate	10.00	Higher	4.81	10.00
Waterbird Nesting Habitat (WBN)	4.93	Moderate	10.00	Higher	3.58	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.49	Higher	10.00	Higher	7.39	10.00
Pollinator Habitat (POL)	9.02	Higher	10.00	Higher	7.47	10.00
Native Plant Habitat (PH)	2.09	Lower	8.29	Higher	4.74	8.29
Public Use & Recognition (PU)			3.15	Moderate		2.46
Wetland Sensitivity (Sens)			6.58	Moderate		4.05
Wetland Ecological Condition (EC)			5.36	Moderate		7.78
Wetland Stressors (STR) (higher score means more stress)			10.00	Higher		5.20
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.17	Lower	2.82	Lower	3.57	1.25
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.05	Moderate	7.56	Higher	5.90	7.23
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.46	Moderate	5.32	Moderate	3.99	3.76
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	7.40	Higher	8.63	Higher	5.03	8.33
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.78	Higher	9.71	Higher	7.00	9.71
WETLAND CONDITION (EC)			5.36	Moderate		7.78
WETLAND RISK (average of Sensitivity & Stressors)			8.29	Higher		4.62

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	6.127362402	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	23.0537548	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	29.04139734	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	63.86296983	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	75.54761386	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: July 14, 2023

Observer: Darcy Kavanagh, Pierre Hepburn

Latitude & Longitude (decimal degrees): 45.543124, 63.270993

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)	4.95	Moderate	10.00	Higher	5.64	4.93
Stream Flow Support (SFS)	0.83	Lower	0.00	Lower	0.67	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	6.44	Moderate	2.16	Moderate	7.22	1.06
Phosphorus Retention (PR)	2.39	Lower	1.50	Moderate	5.24	1.17
Nitrate Removal & Retention (NR)	4.41	Moderate	3.00	Lower	5.96	3.00
Carbon Sequestration (CS)	3.76	Moderate			6.98	
Organic Nutrient Export (OE)	6.53	Moderate			4.27	
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)	7.36	Higher	0.84	Lower	6.50	1.70
Amphibian & Turtle Habitat (AM)	2.57	Lower	4.22	Moderate	4.47	5.24
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)	6.57	Moderate	10.00	Higher	5.72	10.00
Pollinator Habitat (POL)	6.82	Moderate	3.33	Moderate	5.65	3.33
Native Plant Habitat (PH)	2.70	Lower	4.90	Lower	4.98	4.90
Public Use & Recognition (PU)			0.46	Lower		0.61
Wetland Sensitivity (Sens)			10.00	Higher		5.76
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.97	Moderate		2.57
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	4.95	Moderate	10.00	Higher	5.64	4.93
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	5.34	Higher	2.61	Lower	6.79	2.37
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.52	Moderate	0.56	Lower	4.68	1.13
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.54	Lower	2.53	Moderate	2.68	3.14
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.09	Moderate	8.04	Moderate	5.59	8.04
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.48	Higher		4.17

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	49.45444813	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	13.94508039	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.107993776	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	3.909560806	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	48.98368097	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: July 12, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.543141, -63.257222

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)	2.71	Lower	10.00	Higher	3.97	5.03
Stream Flow Support (SFS)	1.45	Lower	6.99	Moderate	1.17	4.65
Water Cooling (WC)	4.54	Moderate	1.94	Lower	3.03	1.05
Sediment Retention & Stabilisation (SR)	1.76	Lower	3.22	Higher	3.57	1.58
Phosphorus Retention (PR)	0.00	Lower	2.77	Higher	3.22	2.15
Nitrate Removal & Retention (NR)	2.88	Moderate	5.17	Moderate	4.86	5.17
Carbon Sequestration (CS)	0.35	Lower			5.36	
Organic Nutrient Export (OE)	6.95	Moderate			4.54	
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)	3.92	Moderate	4.32	Moderate	5.09	3.57
Amphibian & Turtle Habitat (AM)	7.56	Higher	6.05	Higher	7.08	6.75
Waterbird Feeding Habitat (WBF)	5.55	Moderate	10.00	Higher	4.23	10.00
Waterbird Nesting Habitat (WBN)	5.63	Moderate	10.00	Higher	4.08	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.91	Moderate	10.00	Higher	6.01	10.00
Pollinator Habitat (POL)	6.87	Moderate	10.00	Higher	5.69	10.00
Native Plant Habitat (PH)	1.12	Lower	7.23	Moderate	4.35	7.23
Public Use & Recognition (PU)			3.15	Moderate		2.46
Wetland Sensitivity (Sens)			2.69	Lower		2.93
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			10.00	Higher		5.86
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.71	Lower	10.00	Higher	3.97	5.03
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.07	Lower	4.44	Moderate	4.81	4.07
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.58	Higher	5.70	Moderate	4.27	3.87
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.65	Moderate	7.61	Higher	5.08	7.67
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.94	Moderate	9.54	Higher	5.68	9.54
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			6.34	Moderate		4.39

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	27.09462255	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	9.177396514	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	31.80998429	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	42.99322597	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	56.63111487	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: July 10, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5422735, -63.2607603

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)	5.01	Moderate	7.22	Higher	5.68	3.20
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	3.75	Moderate	0.00	Lower	2.50	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.98	Moderate	10.00	0.97
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)	1.92	Lower			6.10	
Organic Nutrient Export (OE)	5.70	Moderate			3.72	
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	3.03	Moderate	5.42	2.87
Amphibian & Turtle Habitat (AM)	4.12	Moderate	6.04	Higher	5.28	6.74
Waterbird Feeding Habitat (WBF)	4.47	Moderate	10.00	Higher	3.40	10.00
Waterbird Nesting Habitat (WBN)	2.43	Moderate	10.00	Higher	1.76	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.82	Higher	10.00	Higher	6.80	10.00
Pollinator Habitat (POL)	9.20	Higher	10.00	Higher	7.62	10.00
Native Plant Habitat (PH)	2.37	Lower	8.14	Higher	4.85	8.14
Public Use & Recognition (PU)			1.05	Lower		1.02
Wetland Sensitivity (Sens)			7.04	Moderate		4.18
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			5.38	Moderate		2.77
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.01	Moderate	7.22	Higher	5.68	3.20
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.99	Higher	3.64	Moderate	9.51	3.41
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.62	Moderate	2.02	Lower	4.16	1.92
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.34	Moderate	7.60	Higher	3.68	7.67
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.83	Higher	9.69	Higher	7.02	9.69
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			6.21	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
SUPPORT SUPERGROUP - HYDROLOGIC	36.14316373	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	32.75145026	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	9.322233404	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	25.36586705	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	75.87640634	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: August 8, 2023

Observer: Mason Koch, Sarah Langeman

Latitude & Longitude (decimal degrees): 45.542244, -63.255769

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	10.00	Higher	6.24	4.44
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	6.75	Higher	0.00	Lower	4.50	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.32	Moderate	10.00	0.65
Phosphorus Retention (PR)	10.00	Higher	1.50	Moderate	10.00	1.17
Nitrate Removal & Retention (NR)	10.00	Higher	3.89	Moderate	10.00	3.89
Carbon Sequestration (CS)	3.09	Lower			6.66	
Organic Nutrient Export (OE)	6.72	Moderate			4.39	
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)	6.37	Higher	4.09	Moderate	6.09	3.45
Amphibian & Turtle Habitat (AM)	3.63	Moderate	4.30	Moderate	5.03	5.30
Waterbird Feeding Habitat (WBF)	5.66	Moderate	5.00	Moderate	4.31	5.00
Waterbird Nesting Habitat (WBN)	6.55	Higher	5.00	Higher	4.75	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.58	Higher	5.00	Moderate	6.59	5.00
Pollinator Habitat (POL)	9.45	Higher	3.33	Moderate	7.83	3.33
Native Plant Habitat (PH)	4.10	Moderate	5.92	Moderate	5.54	5.92
Public Use & Recognition (PU)			1.19	Lower		1.11
Wetland Sensitivity (Sens)			10.00	Higher		5.13
Wetland Ecological Condition (EC)			8.84	Higher		9.44
Wetland Stressors (STR) (higher score means more stress)			5.66	Moderate		2.90
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.75	Moderate	10.00	Higher	6.24	4.44
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.14	Higher	3.06	Lower	9.58	2.90
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.85	Higher	2.73	Lower	4.92	2.30
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.86	Moderate	3.93	Moderate	3.92	4.18
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.25	Higher	5.34	Lower	7.24	5.34
WETLAND CONDITION (EC)			8.84	Higher		9.44
WETLAND RISK (average of Sensitivity & Stressors)			7.83	Higher		4.02

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	57.48837424	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	27.98459896	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	15.96567745	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	19.09721104	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	44.01072075	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: July 19, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.541869, -63.300467

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)	8.77	Higher	10.00	Higher	8.49	5.93
Stream Flow Support (SFS)	1.31	Lower	8.10	Higher	1.06	5.39
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	6.44	Moderate	2.95	Moderate	7.22	1.44
Phosphorus Retention (PR)	3.46	Moderate	2.79	Higher	5.91	2.17
Nitrate Removal & Retention (NR)	10.00	Higher	4.67	Moderate	10.00	4.67
Carbon Sequestration (CS)	6.79	Higher			8.41	
Organic Nutrient Export (OE)	9.10	Higher			5.95	
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)	6.74	Higher	0.50	Lower	6.24	1.52
Amphibian & Turtle Habitat (AM)	2.18	Lower	3.86	Moderate	4.27	4.94
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)	5.54	Moderate	10.00	Higher	4.82	10.00
Pollinator Habitat (POL)	5.69	Moderate	10.00	Higher	4.71	10.00
Native Plant Habitat (PH)	2.90	Lower	6.51	Moderate	5.06	6.51
Public Use & Recognition (PU)			0.23	Lower		0.46
Wetland Sensitivity (Sens)			9.04	Higher		4.75
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.86	Moderate		2.52
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.77	Higher	10.00	Higher	8.49	5.93
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.34	Higher	4.07	Moderate	8.94	3.71
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.69	Higher	5.48	Moderate	4.78	3.85
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.31	Lower	2.32	Moderate	2.56	2.96
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.20	Moderate	9.42	Higher	4.96	9.42
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			6.95	Higher		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
SUPPORT SUPERGROUP - HYDROLOGIC	87.71644161	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	33.90160224	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	36.70664923	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	3.030501041	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	48.9677127	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: WL52

Date: July 19, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.541986, -63.298872

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)	1.38	Lower	10.00	Higher	2.97	4.93
Stream Flow Support (SFS)	6.14	Higher	6.90	Moderate	4.94	4.59
Water Cooling (WC)	8.15	Higher	3.44	Moderate	5.43	1.86
Sediment Retention & Stabilisation (SR)	2.69	Lower	3.95	Higher	4.30	1.94
Phosphorus Retention (PR)	0.77	Lower	10.00	Higher	4.23	7.78
Nitrate Removal & Retention (NR)	2.65	Lower	7.78	Higher	4.69	7.78
Carbon Sequestration (CS)	3.18	Lower			6.70	
Organic Nutrient Export (OE)	7.43	Moderate			4.86	
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)	5.99	Higher	4.75	Moderate	5.94	3.80
Amphibian & Turtle Habitat (AM)	4.77	Moderate	7.01	Higher	5.62	7.53
Waterbird Feeding Habitat (WBF)	5.94	Moderate	10.00	Higher	4.52	10.00
Waterbird Nesting Habitat (WBN)	6.31	Moderate	10.00	Higher	4.57	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.29	Higher	10.00	Higher	8.09	10.00
Pollinator Habitat (POL)	9.13	Higher	10.00	Higher	7.56	10.00
Native Plant Habitat (PH)	3.66	Moderate	8.55	Higher	5.36	8.55
Public Use & Recognition (PU)			1.18	Lower		1.11
Wetland Sensitivity (Sens)			8.81	Higher		4.68
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			9.25	Higher		4.62
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.38	Lower	10.00	Higher	2.97	4.93
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.75	Moderate	8.62	Higher	5.84	6.80
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.54	Higher	5.96	Moderate	5.61	4.00
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.85	Moderate	7.70	Higher	4.28	7.75
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.32	Higher	9.76	Higher	7.54	9.76
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			9.03	Higher		4.65

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	13.75306273	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	23.74762814	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	44.93979695	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	37.3812514	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	81.22965569	Moderate

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: WL53

Date: August 8, 2023

Observer: Sarah Langeman, Mason Koch

Latitude & Longitude (decimal degrees): 45.541689, -63.255461

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)	6.23	Moderate	10.00	Higher	6.59	4.47
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	2.40	Moderate	0.00	Lower	1.60	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.32	Moderate	10.00	0.65
Phosphorus Retention (PR)	10.00	Higher	1.50	Moderate	10.00	1.17
Nitrate Removal & Retention (NR)	10.00	Higher	3.89	Moderate	10.00	3.89
Carbon Sequestration (CS)	3.43	Moderate			6.82	
Organic Nutrient Export (OE)	5.29	Moderate			3.46	
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)	2.81	Lower	3.64	Moderate	4.64	3.21
Amphibian & Turtle Habitat (AM)	4.70	Moderate	3.84	Moderate	5.59	4.92
Waterbird Feeding Habitat (WBF)	4.52	Moderate	5.00	Moderate	3.44	5.00
Waterbird Nesting Habitat (WBN)	5.35	Moderate	5.00	Higher	3.88	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.27	Moderate	5.00	Moderate	6.33	5.00
Pollinator Habitat (POL)	9.08	Higher	3.33	Moderate	7.52	3.33
Native Plant Habitat (PH)	2.65	Lower	5.73	Moderate	4.96	5.73
Public Use & Recognition (PU)			1.19	Lower		1.11
Wetland Sensitivity (Sens)			9.36	Higher		4.84
Wetland Ecological Condition (EC)			8.84	Higher		9.44
Wetland Stressors (STR) (higher score means more stress)			5.66	Moderate		2.90
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.23	Moderate	10.00	Higher	6.59	4.47
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.18	Higher	3.06	Lower	9.60	2.90
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	3.96	Moderate	2.43	Lower	3.53	2.14
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.13	Moderate	3.88	Moderate	4.08	3.99
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.70	Higher	5.21	Lower	6.90	5.21
WETLAND CONDITION (EC)			8.84	Higher		9.44
WETLAND RISK (average of Sensitivity & Stressors)			7.51	Higher		3.87

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	62.27535407	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	28.11428844	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	9.608094251	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	16.03723652	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	40.11454753	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: WL55

Date: July 20, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5408191, -63.3029117

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)	7.42	Moderate	7.05	Higher	7.49	3.13
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	6.95	Higher	0.00	Lower	4.63	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	2.82	Moderate	10.00	1.38
Phosphorus Retention (PR)	10.00	Higher	10.00	Higher	10.00	7.78
Nitrate Removal & Retention (NR)	10.00	Higher	7.78	Higher	10.00	7.78
Carbon Sequestration (CS)	4.59	Moderate			7.37	
Organic Nutrient Export (OE)	6.03	Moderate			3.94	
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)	8.46	Higher	5.19	Moderate	6.95	4.04
Amphibian & Turtle Habitat (AM)	7.40	Higher	6.90	Higher	7.00	7.44
Waterbird Feeding Habitat (WBF)	6.89	Higher	10.00	Higher	5.25	10.00
Waterbird Nesting Habitat (WBN)	6.75	Higher	10.00	Higher	4.89	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.14	Higher	10.00	Higher	7.08	10.00
Pollinator Habitat (POL)	9.63	Higher	10.00	Higher	7.98	10.00
Native Plant Habitat (PH)	5.70	Moderate	8.35	Higher	6.18	8.35
Public Use & Recognition (PU)			2.89	Moderate		2.28
Wetland Sensitivity (Sens)			9.39	Higher		4.85
Wetland Ecological Condition (EC)			8.84	Higher		9.44
Wetland Stressors (STR) (higher score means more stress)			8.15	Higher		4.09
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	7.42	Moderate	7.05	Higher	7.49	3.13
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.32	Higher	8.43	Higher	9.67	6.71
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.91	Higher	3.46	Lower	5.41	2.69
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.80	Moderate	7.69	Higher	5.21	7.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.73	Higher	9.73	Higher	7.53	9.73
WETLAND CONDITION (EC)			8.84	Higher		9.44
WETLAND RISK (average of Sensitivity & Stressors)			8.77	Higher		4.47

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
SUPPORT SUPERGROUP - HYDROLOGIC	52.33902349	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	78.62817316	Moderate
SUPPORT SUPERGROUP - AQUATIC SUPPORT	23.89478125	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	44.62889613	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	84.85643322	Moderate

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: WL56

Date: July 20, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5405700, -63.3024672

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)	5.79	Moderate	9.87	Higher	6.27	4.38
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	8.90	Higher	0.00	Lower	5.93	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	2.84	Moderate	10.00	1.39
Phosphorus Retention (PR)	10.00	Higher	10.00	Higher	10.00	7.78
Nitrate Removal & Retention (NR)	10.00	Higher	7.78	Higher	10.00	7.78
Carbon Sequestration (CS)	5.20	Moderate			7.66	
Organic Nutrient Export (OE)	7.32	Moderate			4.79	
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)	8.80	Higher	4.94	Moderate	7.08	3.91
Amphibian & Turtle Habitat (AM)	6.37	Moderate	7.06	Higher	6.46	7.58
Waterbird Feeding Habitat (WBF)	5.73	Moderate	10.00	Higher	4.36	10.00
Waterbird Nesting Habitat (WBN)	5.84	Moderate	10.00	Higher	4.23	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.63	Higher	10.00	Higher	8.38	10.00
Pollinator Habitat (POL)	9.23	Higher	10.00	Higher	7.65	10.00
Native Plant Habitat (PH)	5.28	Moderate	8.68	Higher	6.01	8.68
Public Use & Recognition (PU)			4.16	Moderate		3.15
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)			9.12	Higher		4.56
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.79	Moderate	9.87	Higher	6.27	4.38
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.40	Higher	8.44	Higher	9.71	6.71
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.58	Higher	3.30	Lower	5.77	2.60
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.98	Moderate	7.71	Higher	4.74	7.76
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.84	Higher	9.78	Higher	7.87	9.78
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			9.56	Higher		5.15

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
SUPPORT SUPERGROUP - HYDROLOGIC	57.1327798	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	79.29682393	Moderate
SUPPORT SUPERGROUP - AQUATIC SUPPORT	24.97791783	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	38.35662246	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	86.45434104	Moderate

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: WL57A/B

Date: July 12, 2023

Observer: Darcy Kavanagh

Latitude & Longitude (decimal degrees): 45.54061, -63.280892

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)	2.99	Lower	2.82	Lower	4.17	1.25
Stream Flow Support (SFS)	2.86	Moderate	2.94	Moderate	2.31	1.95
Water Cooling (WC)	3.29	Moderate	1.63	Lower	2.19	0.89
Sediment Retention & Stabilisation (SR)	2.66	Lower	2.50	Moderate	4.27	1.22
Phosphorus Retention (PR)	0.00	Lower	1.79	Moderate	3.67	1.39
Nitrate Removal & Retention (NR)	2.75	Lower	10.00	Higher	4.76	10.00
Carbon Sequestration (CS)	3.35	Moderate			6.78	
Organic Nutrient Export (OE)	6.30	Moderate			4.12	
Anadromous Fish Habitat (FA)	4.46	Higher	4.48	Higher	2.93	2.84
Resident Fish Habitat (FR)	6.91	Higher	4.55	Moderate	3.75	2.84
Aquatic Invertebrate Habitat (INV)	3.80	Moderate	6.43	Higher	5.04	4.70
Amphibian & Turtle Habitat (AM)	4.70	Moderate	6.82	Higher	5.59	7.38
Waterbird Feeding Habitat (WBF)	5.53	Moderate	10.00	Higher	4.21	10.00
Waterbird Nesting Habitat (WBN)	5.28	Moderate	10.00	Higher	3.83	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.10	Higher	10.00	Higher	7.92	10.00
Pollinator Habitat (POL)	8.81	Higher	10.00	Higher	7.30	10.00
Native Plant Habitat (PH)	2.15	Lower	8.41	Higher	4.76	8.41
Public Use & Recognition (PU)			1.53	Moderate		1.35
Wetland Sensitivity (Sens)			8.14	Higher		4.49
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			8.19	Higher		4.11
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.99	Lower	2.82	Lower	4.17	1.25
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.77	Moderate	7.38	Higher	5.82	7.10
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.18	Moderate	5.05	Moderate	4.23	3.61
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	6.14	Moderate	8.59	Higher	4.82	8.31
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.90	Higher	9.73	Higher	7.29	9.73
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			8.16	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	8.422092736	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	20.41921125	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	26.14853464	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	52.73160005	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	76.87112577	Moderate

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: WL58

Date: August 10, 2023

Observer: Mason Koch

Latitude & Longitude (decimal degrees): 45.540425, -63.254144

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)	2.92	Lower	7.21	Higher	4.12	3.19
Stream Flow Support (SFS)	1.36	Lower	6.81	Moderate	1.09	4.53
Water Cooling (WC)	2.40	Moderate	0.64	Lower	1.60	0.34
Sediment Retention & Stabilisation (SR)	1.91	Lower	1.22	Moderate	3.69	0.60
Phosphorus Retention (PR)	3.71	Moderate	4.29	Higher	6.07	3.33
Nitrate Removal & Retention (NR)	2.17	Lower	3.50	Lower	4.34	3.50
Carbon Sequestration (CS)	2.51	Lower			6.38	
Organic Nutrient Export (OE)	5.22	Moderate			3.41	
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)	0.93	Lower	3.01	Moderate	3.87	2.87
Amphibian & Turtle Habitat (AM)	2.54	Lower	3.90	Moderate	4.45	4.97
Waterbird Feeding Habitat (WBF)	4.89	Moderate	5.00	Moderate	3.73	5.00
Waterbird Nesting Habitat (WBN)	3.90	Moderate	5.00	Higher	2.83	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.12	Moderate	5.00	Moderate	6.20	5.00
Pollinator Habitat (POL)	8.67	Higher	3.33	Moderate	7.19	3.33
Native Plant Habitat (PH)	1.45	Lower	5.57	Moderate	4.48	5.57
Public Use & Recognition (PU)			1.74	Moderate		1.49
Wetland Sensitivity (Sens)			6.31	Moderate		3.97
Wetland Ecological Condition (EC)			5.36	Moderate		7.78
Wetland Stressors (STR) (higher score means more stress)			7.61	Higher		3.83
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.92	Lower	7.21	Higher	4.12	3.19
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.14	Moderate	3.64	Moderate	5.75	2.99
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	3.85	Moderate	5.15	Moderate	3.18	3.56
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.58	Moderate	3.89	Moderate	3.33	4.00
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.21	Higher	5.10	Lower	6.57	5.10
WETLAND CONDITION (EC)			5.36	Moderate		7.78
WETLAND RISK (average of Sensitivity & Stressors)			6.96	Higher		3.90

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	21.01755085	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	11.45516259	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	19.81957738	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	13.92331322	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	36.80239595	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: WL59

Date: July 20, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.540365, -63.304692

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)	0.65	Lower	4.29	Moderate	2.43	1.90
Stream Flow Support (SFS)	2.62	Moderate	7.21	Moderate	2.11	4.80
Water Cooling (WC)	8.40	Higher	1.72	Lower	5.60	0.93
Sediment Retention & Stabilisation (SR)	0.21	Lower	2.17	Moderate	2.36	1.06
Phosphorus Retention (PR)	1.80	Lower	10.00	Higher	4.87	7.78
Nitrate Removal & Retention (NR)	2.87	Moderate	7.78	Higher	4.85	7.78
Carbon Sequestration (CS)	2.57	Lower			6.41	
Organic Nutrient Export (OE)	9.06	Higher			5.92	
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)	6.16	Higher	5.25	Moderate	6.00	4.07
Amphibian & Turtle Habitat (AM)	4.34	Moderate	7.30	Higher	5.40	7.77
Waterbird Feeding Habitat (WBF)	6.64	Higher	10.00	Higher	5.06	10.00
Waterbird Nesting Habitat (WBN)	7.90	Higher	10.00	Higher	5.73	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.49	Higher	10.00	Higher	8.26	10.00
Pollinator Habitat (POL)	8.72	Higher	10.00	Higher	7.23	10.00
Native Plant Habitat (PH)	5.82	Moderate	8.50	Higher	6.22	8.50
Public Use & Recognition (PU)			4.42	Higher		3.33
Wetland Sensitivity (Sens)			10.00	Higher		5.70
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			7.08	Higher		3.58
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.65	Lower	4.29	Moderate	2.43	1.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.37	Lower	8.33	Higher	5.52	6.66
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.81	Higher	5.97	Moderate	5.46	4.03
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.84	Moderate	7.73	Higher	4.48	7.78
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.75	Higher	9.75	Higher	7.75	9.75
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			8.54	Higher		4.64

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	2.782898835	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	19.71680926	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	46.62329108	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	45.12135617	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	85.32054931	Moderate

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: WL60

Date: July 20, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.53991, -63.304561

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	7.11	Higher	6.63	3.15
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	6.65	Higher	0.00	Lower	4.43	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	2.41	Moderate	10.00	1.18
Phosphorus Retention (PR)	10.00	Higher	10.00	Higher	10.00	7.78
Nitrate Removal & Retention (NR)	10.00	Higher	7.78	Higher	10.00	7.78
Carbon Sequestration (CS)	3.38	Moderate			6.80	
Organic Nutrient Export (OE)	6.70	Moderate			4.38	
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)	7.95	Higher	5.25	Moderate	6.74	4.07
Amphibian & Turtle Habitat (AM)	5.26	Moderate	7.32	Higher	5.88	7.80
Waterbird Feeding Habitat (WBF)	6.88	Higher	10.00	Higher	5.24	10.00
Waterbird Nesting Habitat (WBN)	7.12	Higher	10.00	Higher	5.16	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.36	Higher	10.00	Higher	8.15	10.00
Pollinator Habitat (POL)	9.70	Higher	10.00	Higher	8.04	10.00
Native Plant Habitat (PH)	5.16	Moderate	8.73	Higher	5.96	8.73
Public Use & Recognition (PU)			2.80	Moderate		2.22
Wetland Sensitivity (Sens)			7.52	Higher		4.31
Wetland Ecological Condition (EC)			8.84	Higher		9.44
Wetland Stressors (STR) (higher score means more stress)			9.94	Higher		4.95
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.28	Moderate	7.11	Higher	6.63	3.15
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.17	Higher	8.37	Higher	9.60	6.68
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.64	Higher	3.50	Lower	5.31	2.71
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.48	Moderate	7.73	Higher	4.57	7.78
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.89	Higher	9.79	Higher	7.77	9.79
WETLAND CONDITION (EC)			8.84	Higher		9.44
WETLAND RISK (average of Sensitivity & Stressors)			8.73	Higher		4.63

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	44.65058839	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	76.73435718	Moderate
SUPPORT SUPERGROUP - AQUATIC SUPPORT	23.22771833	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	42.39697249	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	87.0139682	Moderate

3a. Functional WSS Determination: Automatic Method

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: August 17, 2023

Observer: Sarah Langeman

Latitude & Longitude (decimal degrees): 45.539131, -63.252372

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	10.00	Higher	2.09	5.03
Stream Flow Support (SFS)	7.24	Higher	6.85	Moderate	5.83	4.56
Water Cooling (WC)	2.54	Moderate	3.52	Moderate	1.69	1.91
Sediment Retention & Stabilisation (SR)	0.56	Lower	2.59	Moderate	2.64	1.27
Phosphorus Retention (PR)	1.64	Lower	2.41	Moderate	4.77	1.88
Nitrate Removal & Retention (NR)	0.74	Lower	5.00	Moderate	3.31	5.00
Carbon Sequestration (CS)	3.73	Moderate			6.96	
Organic Nutrient Export (OE)	6.73	Moderate			4.40	
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)	2.63	Lower	4.74	Moderate	4.56	3.80
Amphibian & Turtle Habitat (AM)	6.50	Moderate	6.92	Higher	6.53	7.46
Waterbird Feeding Habitat (WBF)	5.93	Moderate	10.00	Higher	4.51	10.00
Waterbird Nesting Habitat (WBN)	5.32	Moderate	10.00	Higher	3.86	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.04	Higher	10.00	Higher	7.87	10.00
Pollinator Habitat (POL)	9.28	Higher	10.00	Higher	7.69	10.00
Native Plant Habitat (PH)	3.91	Moderate	8.52	Higher	5.46	8.52
Public Use & Recognition (PU)			1.93	Moderate		1.62
Wetland Sensitivity (Sens)			7.78	Higher		4.39
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			10.00	Higher		5.42
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.19	Lower	10.00	Higher	2.09	5.03
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.70	Moderate	4.17	Moderate	5.69	3.86
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.01	Higher	5.95	Moderate	4.98	3.99
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.02	Moderate	7.69	Higher	4.75	7.75
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.34	Higher	9.75	Higher	7.44	9.75
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			8.89	Higher		4.90

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	1.94345162	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	11.24161994	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	35.75345265	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	38.63030154	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	81.36790552	Moderate

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: WL62

Date: August 23, 2023

Observer: Dafna Schultz

Latitude & Longitude (decimal degrees): 45.538467, -63.284893

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)	1.33	Lower	6.43	Moderate	2.94	2.85
Stream Flow Support (SFS)	1.62	Moderate	7.75	Moderate	1.31	5.15
Water Cooling (WC)	4.25	Moderate	2.04	Moderate	2.83	1.11
Sediment Retention & Stabilisation (SR)	0.75	Lower	0.76	Lower	2.78	0.37
Phosphorus Retention (PR)	0.00	Lower	0.86	Lower	3.21	0.67
Nitrate Removal & Retention (NR)	2.32	Lower	2.50	Lower	4.45	2.50
Carbon Sequestration (CS)	1.90	Lower			6.10	
Organic Nutrient Export (OE)	6.88	Moderate			4.50	
Anadromous Fish Habitat (FA)	5.61	Higher	3.58	Moderate	3.67	2.27
Resident Fish Habitat (FR)	4.96	Moderate	3.48	Moderate	2.70	2.17
Aquatic Invertebrate Habitat (INV)	4.57	Moderate	6.70	Higher	5.36	4.85
Amphibian & Turtle Habitat (AM)	8.57	Higher	6.28	Higher	7.61	6.94
Waterbird Feeding Habitat (WBF)	6.38	Moderate	10.00	Higher	4.86	10.00
Waterbird Nesting Habitat (WBN)	5.96	Moderate	10.00	Higher	4.32	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.84	Moderate	10.00	Higher	5.96	10.00
Pollinator Habitat (POL)	8.09	Higher	6.67	Moderate	6.70	6.67
Native Plant Habitat (PH)	1.14	Lower	6.44	Moderate	4.36	6.44
Public Use & Recognition (PU)			0.54	Lower		0.67
Wetland Sensitivity (Sens)			5.09	Moderate		3.62
Wetland Ecological Condition (EC)			5.36	Moderate		7.78
Wetland Stressors (STR) (higher score means more stress)			4.40	Moderate		2.30
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.33	Lower	6.43	Moderate	2.94	2.85
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	1.78	Lower	1.94	Lower	5.12	1.84
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.61	Higher	6.62	Moderate	4.43	4.43
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	7.43	Higher	8.33	Higher	6.12	8.14
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.72	Moderate	8.85	Higher	6.19	8.85
WETLAND CONDITION (EC)			5.36	Moderate		7.78
WETLAND RISK (average of Sensitivity & Stressors)			4.75	Moderate		2.96

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	8.574260405	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	3.448515137	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	37.13043439	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	61.92617058	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	59.50876709	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: WL63

Date: August 23, 2023

Observer: Dafna Schultz, Renee MacQuarrie

Latitude & Longitude (decimal degrees): 45.537819, -63.285236

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)	6.70	Moderate	6.49	Moderate	6.94	2.88
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	2.40	Moderate	0.00	Lower	1.60	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	0.38	Lower	10.00	0.19
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)	4.37	Moderate			7.27	
Organic Nutrient Export (OE)	5.77	Moderate			3.77	
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)	2.76	Lower	4.26	Moderate	4.62	3.54
Amphibian & Turtle Habitat (AM)	5.80	Moderate	6.26	Higher	6.16	6.92
Waterbird Feeding Habitat (WBF)	5.40	Moderate	10.00	Higher	4.12	10.00
Waterbird Nesting Habitat (WBN)	5.96	Moderate	10.00	Higher	4.32	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.63	Higher	10.00	Higher	6.64	10.00
Pollinator Habitat (POL)	8.64	Higher	10.00	Higher	7.16	10.00
Native Plant Habitat (PH)	3.98	Moderate	7.93	Higher	5.49	7.93
Public Use & Recognition (PU)			0.23	Lower		0.46
Wetland Sensitivity (Sens)			9.85	Higher		4.98
Wetland Ecological Condition (EC)			6.09	Moderate		8.13
Wetland Stressors (STR) (higher score means more stress)			1.22	Lower		0.78
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.70	Moderate	6.49	Moderate	6.94	2.88
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.30	Higher	1.80	Lower	9.66	1.75
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.25	Moderate	2.84	Lower	3.56	2.36
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.70	Moderate	7.63	Higher	4.54	7.69
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.69	Higher	9.66	Higher	6.79	9.66
WETLAND CONDITION (EC)			6.09	Moderate		8.13
WETLAND RISK (average of Sensitivity & Stressors)			5.54	Moderate		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
SUPPORT SUPERGROUP - HYDROLOGIC	43.44208455	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	16.74406924	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	12.0791061	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	35.82025091	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	74.28578741	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: WL64

Date: August 23, 2023

Observer: Dafna Schultz

Latitude & Longitude (decimal degrees): 45.536453, -63.286716

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)	2.01	Lower	3.55	Lower	3.45	1.58
Stream Flow Support (SFS)	4.21	Moderate	6.02	Moderate	3.39	4.01
Water Cooling (WC)	3.79	Moderate	2.84	Moderate	2.53	1.54
Sediment Retention & Stabilisation (SR)	2.54	Lower	1.93	Moderate	4.18	0.94
Phosphorus Retention (PR)	2.30	Lower	1.70	Moderate	5.19	1.32
Nitrate Removal & Retention (NR)	3.25	Moderate	10.00	Higher	5.12	10.00
Carbon Sequestration (CS)	3.07	Lower			6.65	
Organic Nutrient Export (OE)	7.75	Higher			5.06	
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)	4.02	Moderate	4.15	Moderate	5.13	3.48
Amphibian & Turtle Habitat (AM)	4.52	Moderate	6.85	Higher	5.49	7.41
Waterbird Feeding Habitat (WBF)	5.33	Moderate	10.00	Higher	4.06	10.00
Waterbird Nesting Habitat (WBN)	4.37	Moderate	10.00	Higher	3.17	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.38	Higher	10.00	Higher	8.17	10.00
Pollinator Habitat (POL)	8.76	Higher	10.00	Higher	7.26	10.00
Native Plant Habitat (PH)	4.66	Moderate	8.48	Higher	5.76	8.48
Public Use & Recognition (PU)			0.58	Lower		0.69
Wetland Sensitivity (Sens)			10.00	Higher		5.29
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			6.40	Higher		3.26
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.01	Lower	3.55	Lower	3.45	1.58
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.02	Moderate	7.27	Higher	5.97	7.04
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.35	Higher	5.18	Moderate	4.58	3.51
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.09	Moderate	7.69	Higher	4.02	7.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.49	Higher	9.75	Higher	7.61	9.75
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			8.20	Higher		4.27

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	7.154157036	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.97686767	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	32.85855864	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	31.41270346	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	82.75848975	Moderate

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: WL65A/B

Date: July 11, 2023

Observer: Darcy Kavanagh

Latitude & Longitude (decimal degrees): 45.535940, -63.279533

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	3.44	Lower	3.39	1.53
Stream Flow Support (SFS)	3.52	Moderate	5.78	Moderate	2.83	3.85
Water Cooling (WC)	3.79	Moderate	3.95	Moderate	2.53	2.14
Sediment Retention & Stabilisation (SR)	2.18	Lower	2.98	Moderate	3.90	1.46
Phosphorus Retention (PR)	2.26	Lower	2.05	Moderate	5.16	1.60
Nitrate Removal & Retention (NR)	3.37	Moderate	10.00	Higher	5.21	10.00
Carbon Sequestration (CS)	1.82	Lower			6.06	
Organic Nutrient Export (OE)	7.75	Higher			5.06	
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)	3.20	Lower	3.71	Moderate	4.80	3.24
Amphibian & Turtle Habitat (AM)	4.62	Moderate	4.53	Moderate	5.54	5.49
Waterbird Feeding Habitat (WBF)	4.60	Moderate	5.00	Moderate	3.50	5.00
Waterbird Nesting Habitat (WBN)	3.33	Moderate	5.00	Higher	2.41	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.17	Higher	5.00	Moderate	7.98	5.00
Pollinator Habitat (POL)	8.56	Higher	3.33	Moderate	7.09	3.33
Native Plant Habitat (PH)	3.97	Moderate	6.14	Moderate	5.49	6.14
Public Use & Recognition (PU)			0.58	Lower		0.69
Wetland Sensitivity (Sens)			10.00	Higher		5.72
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			9.01	Higher		4.51
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.93	Lower	3.44	Lower	3.39	1.53
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.89	Moderate	7.51	Higher	5.57	7.18
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.15	Higher	5.13	Moderate	4.43	3.46
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.56	Moderate	3.95	Moderate	3.92	4.30
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.20	Higher	5.48	Lower	7.42	5.48
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			9.50	Higher		5.11

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	6.651978893	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.67028087	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	31.58334251	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	14.08270196	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	44.93879812	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: WL66

Date: July 14, 2023

Observer: Darcy Kavanagh, Pierre Hepburn

Latitude & Longitude (decimal degrees): 45.535886, -63.274903

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)	3.38	Lower	10.00	Higher	4.47	4.78
Stream Flow Support (SFS)	0.53	Lower	0.00	Lower	0.43	0.00
Water Cooling (WC)	2.75	Moderate	1.12	Lower	1.83	0.61
Sediment Retention & Stabilisation (SR)	1.98	Lower	2.03	Moderate	3.74	0.99
Phosphorus Retention (PR)	0.00	Lower	2.23	Moderate	3.70	1.74
Nitrate Removal & Retention (NR)	2.97	Moderate	4.17	Moderate	4.92	4.17
Carbon Sequestration (CS)	1.94	Lower			6.11	
Organic Nutrient Export (OE)	6.26	Moderate			4.09	
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)	4.34	Moderate	3.81	Moderate	5.26	3.30
Amphibian & Turtle Habitat (AM)	6.93	Higher	5.66	Higher	6.75	6.43
Waterbird Feeding Habitat (WBF)	3.83	Moderate	10.00	Higher	2.92	10.00
Waterbird Nesting Habitat (WBN)	5.18	Moderate	10.00	Higher	3.76	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.31	Moderate	10.00	Higher	6.36	10.00
Pollinator Habitat (POL)	7.27	Moderate	3.33	Moderate	6.02	3.33
Native Plant Habitat (PH)	2.55	Lower	5.24	Lower	4.92	5.24
Public Use & Recognition (PU)			0.80	Lower		0.85
Wetland Sensitivity (Sens)			9.95	Higher		5.01
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			6.16	Higher		3.14
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	3.38	Lower	10.00	Higher	4.47	4.78
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.34	Lower	3.49	Moderate	5.36	3.23
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.86	Moderate	2.73	Lower	4.08	2.30
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.06	Moderate	7.57	Higher	4.72	7.64
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.51	Moderate	8.10	Moderate	6.07	8.10
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			8.06	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	33.77686749	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	8.173320347	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	13.27241273	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	38.26535067	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	52.71483635	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: WL67

Date: August 17, 2023

Observer: Sarah Langeman

Latitude & Longitude (decimal degrees): 45.535837, -63.251898

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)	8.16	Higher	4.29	Moderate	8.03	1.90
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)	6.44	Moderate	1.04	Lower	7.22	0.51
Phosphorus Retention (PR)	0.61	Lower	0.98	Lower	4.13	0.76
Nitrate Removal & Retention (NR)	10.00	Higher	2.83	Lower	10.00	2.83
Carbon Sequestration (CS)	7.74	Higher			8.86	
Organic Nutrient Export (OE)	3.02	Moderate			1.98	
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)	4.76	Moderate	0.86	Lower	5.44	1.71
Amphibian & Turtle Habitat (AM)	1.02	Lower	4.57	Moderate	3.66	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
Songbird, Raptor, & Mammal Habitat (SBM)	7.56	Higher	10.00	Higher	6.58	10.00
Pollinator Habitat (POL)	7.27	Moderate	10.00	Higher	6.03	10.00
Native Plant Habitat (PH)	3.22	Lower	7.54	Moderate	5.19	7.54
Public Use & Recognition (PU)			1.59	Moderate		1.39
Wetland Sensitivity (Sens)			6.07	Moderate		3.90
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			6.12	Higher		3.12
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.16	Higher	4.29	Moderate	8.03	1.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.10	Higher	2.23	Lower	8.78	2.10
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	3.35	Moderate	0.57	Lower	3.64	1.14
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	0.61	Lower	2.74	Moderate	2.20	3.32
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.79	Higher	9.59	Higher	6.26	9.59
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			6.09	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	34.96067196	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	18.02642495	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	1.923899773	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.683462378	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	65.12885786	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: WL68

Date: September 5, 2023

Observer: Leah Riehl

Latitude & Longitude (decimal degrees): 45.534775, -63.288165

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)	6.32	Moderate	6.49	Moderate	6.66	2.88
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	3.38	Moderate	0.00	Lower	2.25	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.32	Moderate	10.00	0.65
Phosphorus Retention (PR)	10.00	Higher	1.50	Moderate	10.00	1.17
Nitrate Removal & Retention (NR)	10.00	Higher	3.89	Moderate	10.00	3.89
Carbon Sequestration (CS)	5.29	Moderate			7.70	
Organic Nutrient Export (OE)	6.14	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)	0.00	Lower	3.74	Moderate	3.48	3.26
Amphibian & Turtle Habitat (AM)	3.85	Moderate	5.32	Moderate	5.14	6.14
Waterbird Feeding Habitat (WBF)	5.40	Moderate	10.00	Higher	4.11	10.00
Waterbird Nesting Habitat (WBN)	3.63	Moderate	10.00	Higher	2.63	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.78	Higher	10.00	Higher	7.64	10.00
Pollinator Habitat (POL)	9.05	Higher	6.67	Moderate	7.50	6.67
Native Plant Habitat (PH)	3.40	Lower	7.27	Moderate	5.26	7.27
Public Use & Recognition (PU)			0.20	Lower		0.43
Wetland Sensitivity (Sens)			6.01	Moderate		3.88
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.32	Moderate	6.49	Moderate	6.66	2.88
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.41	Higher	3.06	Lower	9.71	2.90
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.26	Moderate	2.49	Lower	3.22	2.17
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.99	Moderate	7.53	Higher	3.76	7.61
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.07	Higher	8.99	Higher	7.22	8.99
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			5.17	Moderate		3.08

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	40.95949683	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	28.82787685	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	10.60723673	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	30.06039544	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	72.50879241	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: WL69

Date: August 22, 2023

Observer: Dafna Schultz

Latitude & Longitude (decimal degrees): 45.534214, -63.252733

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)	5.39	Moderate	4.29	Moderate	5.97	1.90
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	4.65	Moderate	0.00	Lower	3.10	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	0.45	Lower	10.00	0.22
Phosphorus Retention (PR)	10.00	Higher	0.43	Lower	10.00	0.33
Nitrate Removal & Retention (NR)	10.00	Higher	1.33	Lower	10.00	1.33
Carbon Sequestration (CS)	2.43	Lower			6.35	
Organic Nutrient Export (OE)	3.39	Moderate			2.21	
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)	2.76	Lower	3.75	Moderate	4.62	3.26
Amphibian & Turtle Habitat (AM)	3.88	Moderate	6.34	Higher	5.16	6.99
Waterbird Feeding Habitat (WBF)	5.45	Moderate	10.00	Higher	4.15	10.00
Waterbird Nesting Habitat (WBN)	4.77	Moderate	10.00	Higher	3.46	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.83	Higher	10.00	Higher	6.81	10.00
Pollinator Habitat (POL)	8.77	Higher	10.00	Higher	7.27	10.00
Native Plant Habitat (PH)	3.18	Lower	8.03	Higher	5.17	8.03
Public Use & Recognition (PU)			0.40	Lower		0.58
Wetland Sensitivity (Sens)			5.54	Moderate		3.75
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			7.69	Higher		3.88
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.39	Moderate	4.29	Moderate	5.97	1.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.05	Higher	1.04	Lower	9.54	0.98
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	3.67	Moderate	2.50	Lower	3.55	2.18
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.14	Moderate	7.63	Higher	3.86	7.70
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.68	Higher	9.67	Higher	6.84	9.67
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			6.62	Moderate		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	23.10141057	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	9.379340377	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	9.188862781	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	31.59356385	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	74.31421535	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: WL70

Date: August 22, 2023

Observer: Dafna Schultz, Renee MacQuarrie

Latitude & Longitude (decimal degrees): 45.533182, -63.253792

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)	6.82	Moderate	4.29	Moderate	7.03	1.90
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	1.80	Lower	0.00	Lower	1.20	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	2.22	Lower	10.00	2.22
Carbon Sequestration (CS)	5.01	Moderate			7.57	
Organic Nutrient Export (OE)	4.25	Moderate			2.78	
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)	3.89	Moderate	4.80	Moderate	5.08	3.83
Amphibian & Turtle Habitat (AM)	5.85	Moderate	6.68	Higher	6.19	7.26
Waterbird Feeding Habitat (WBF)	6.83	Higher	10.00	Higher	5.20	10.00
Waterbird Nesting Habitat (WBN)	6.88	Higher	10.00	Higher	4.99	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.57	Higher	10.00	Higher	6.59	10.00
Pollinator Habitat (POL)	8.96	Higher	10.00	Higher	7.43	10.00
Native Plant Habitat (PH)	4.20	Moderate	8.01	Higher	5.58	8.01
Public Use & Recognition (PU)			0.40	Lower		0.58
Wetland Sensitivity (Sens)			5.92	Moderate		3.86
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.82	Moderate	4.29	Moderate	7.03	1.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.38	Higher	1.75	Lower	9.70	1.65
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	3.37	Moderate	3.20	Lower	3.67	2.55
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.40	Moderate	7.67	Higher	4.73	7.73
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.94	Higher	9.67	Higher	6.98	9.67
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			5.13	Moderate		3.06

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	29.22249125	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	16.41283627	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	10.76283532	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	41.37649575	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	76.73533921	Moderate

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: WL72

Date: July 26, 2023

Observer: Darcy Kavanagh, Ross Szendrei

Latitude & Longitude (decimal degrees): 45.532417, -63.290236

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)	2.13	Lower	6.65	Higher	3.54	2.95
Stream Flow Support (SFS)	3.48	Moderate	8.46	Higher	2.81	5.63
Water Cooling (WC)	6.80	Higher	2.05	Moderate	4.53	1.11
Sediment Retention & Stabilisation (SR)	2.75	Lower	1.93	Moderate	4.34	0.94
Phosphorus Retention (PR)	3.20	Moderate	1.70	Moderate	5.75	1.32
Nitrate Removal & Retention (NR)	2.52	Lower	4.17	Moderate	4.60	4.17
Carbon Sequestration (CS)	5.12	Moderate			7.62	
Organic Nutrient Export (OE)	9.73	Higher			6.36	
Anadromous Fish Habitat (FA)	5.51	Higher	2.44	Moderate	3.61	1.55
Resident Fish Habitat (FR)	6.12	Higher	2.32	Moderate	3.32	1.45
Aquatic Invertebrate Habitat (INV)	7.24	Higher	7.21	Higher	6.45	5.13
Amphibian & Turtle Habitat (AM)	4.57	Moderate	5.82	Higher	5.52	6.55
Waterbird Feeding Habitat (WBF)	6.87	Higher	6.67	Moderate	5.23	6.67
Waterbird Nesting Habitat (WBN)	7.35	Higher	6.67	Higher	5.33	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	8.92	Higher	6.67	Moderate	7.76	6.67
Pollinator Habitat (POL)	8.74	Higher	6.67	Moderate	7.24	6.67
Native Plant Habitat (PH)	4.04	Moderate	7.22	Moderate	5.51	7.22
Public Use & Recognition (PU)			1.99	Moderate		1.66
Wetland Sensitivity (Sens)			10.00	Higher		6.09
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)	2.13	Lower	6.65	Higher	3.54	2.95
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.26	Moderate	3.38	Moderate	6.60	3.16
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.27	Higher	7.18	Moderate	5.74	4.79
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	6.71	Higher	5.72	Higher	5.06	5.62
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.08	Higher	7.04	Moderate	7.30	7.04
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.86	Higher		4.51

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	14.1962561	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	14.40287177	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	59.43408405	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	38.43020005	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	56.84976397	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: WL74

Date: August 18, 2023

Observer: Polly Nguyen

Latitude & Longitude (decimal degrees): 45.533076, -63.250714

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)	6.92	Moderate	4.12	Moderate	7.11	1.83
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	1.92	Lower	0.00	Lower	1.28	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.12	Lower	10.00	0.55
Phosphorus Retention (PR)	10.00	Higher	0.98	Lower	10.00	0.76
Nitrate Removal & Retention (NR)	10.00	Higher	2.83	Lower	10.00	2.83
Carbon Sequestration (CS)	4.91	Moderate			7.52	
Organic Nutrient Export (OE)	6.43	Moderate			4.20	
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)	4.11	Moderate	5.28	Moderate	5.17	4.09
Amphibian & Turtle Habitat (AM)	6.27	Moderate	7.36	Higher	6.41	7.82
Waterbird Feeding Habitat (WBF)	6.96	Higher	10.00	Higher	5.30	10.00
Waterbird Nesting Habitat (WBN)	6.42	Moderate	10.00	Higher	4.65	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.39	Higher	10.00	Higher	8.17	10.00
Pollinator Habitat (POL)	9.68	Higher	10.00	Higher	8.02	10.00
Native Plant Habitat (PH)	4.82	Moderate	8.73	Higher	5.82	8.73
Public Use & Recognition (PU)			0.40	Lower		0.58
Wetland Sensitivity (Sens)			9.92	Higher		5.00
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			5.64	Moderate		2.90
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.92	Moderate	4.12	Moderate	7.11	1.83
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.36	Higher	2.24	Lower	9.69	2.11
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.77	Moderate	3.52	Lower	3.92	2.73
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.44	Moderate	7.74	Higher	4.84	7.78
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.82	Higher	9.79	Higher	7.75	9.79
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.78	Higher		3.95

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	28.49597168	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	20.96584153	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	16.79951189	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	42.1206286	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	86.33247056	Moderate

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: WL76

Date: August 1, 2023

Observer: Ross Szendrei, Maddie Maher

Latitude & Longitude (decimal degrees): 45.53085, -63.24764

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)	0.89	Lower	4.29	Moderate	2.61	1.90
Stream Flow Support (SFS)	2.83	Moderate	7.24	Moderate	2.28	4.82
Water Cooling (WC)	6.90	Higher	1.26	Lower	4.60	0.68
Sediment Retention & Stabilisation (SR)	1.24	Lower	1.36	Moderate	3.17	0.67
Phosphorus Retention (PR)	2.16	Lower	1.29	Moderate	5.10	1.00
Nitrate Removal & Retention (NR)	3.33	Moderate	3.33	Lower	5.18	3.33
Carbon Sequestration (CS)	3.06	Lower			6.64	
Organic Nutrient Export (OE)	8.37	Higher			5.47	
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)	6.39	Higher	4.62	Moderate	6.10	3.73
Amphibian & Turtle Habitat (AM)	5.56	Moderate	6.88	Higher	6.04	7.43
Waterbird Feeding Habitat (WBF)	5.19	Moderate	10.00	Higher	3.95	10.00
Waterbird Nesting Habitat (WBN)	5.64	Moderate	10.00	Higher	4.09	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.57	Higher	10.00	Higher	8.33	10.00
Pollinator Habitat (POL)	8.92	Higher	10.00	Higher	7.40	10.00
Native Plant Habitat (PH)	3.32	Lower	8.58	Higher	5.23	8.58
Public Use & Recognition (PU)			2.02	Moderate		1.69
Wetland Sensitivity (Sens)			9.48	Higher		4.87
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			1.96	Lower		1.13
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.89	Lower	4.29	Moderate	2.61	1.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.89	Moderate	2.66	Lower	5.83	2.50
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.25	Higher	5.81	Moderate	5.36	3.95
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.46	Moderate	7.69	Higher	4.43	7.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.42	Higher	9.76	Higher	7.66	9.76
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			5.72	Moderate		3.00

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
SUPPORT SUPERGROUP - HYDROLOGIC	3.814877035	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.689255871	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	42.06447385	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	34.27865972	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	82.23552544	Moderate

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: WL78

Date: July 26, 2023

Observer: Darcy Kavanagh, Ross Szendrei

Latitude & Longitude (decimal degrees): 45.528155, -63.289389

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)	1.77	Lower	6.60	Higher	3.27	2.93
Stream Flow Support (SFS)	3.31	Moderate	8.34	Higher	2.67	5.55
Water Cooling (WC)	6.30	Higher	2.04	Moderate	4.20	1.11
Sediment Retention & Stabilisation (SR)	3.50	Lower	0.38	Lower	4.93	0.19
Phosphorus Retention (PR)	2.75	Lower	0.43	Lower	5.46	0.33
Nitrate Removal & Retention (NR)	2.89	Moderate	2.50	Lower	4.86	2.50
Carbon Sequestration (CS)	4.68	Moderate			7.41	
Organic Nutrient Export (OE)	9.08	Higher			5.94	
Anadromous Fish Habitat (FA)	5.49	Higher	2.00	Moderate	3.60	1.27
Resident Fish Habitat (FR)	4.89	Moderate	1.87	Moderate	2.66	1.17
Aquatic Invertebrate Habitat (INV)	8.49	Higher	6.44	Higher	6.96	4.71
Amphibian & Turtle Habitat (AM)	5.20	Moderate	4.69	Moderate	5.85	5.62
Waterbird Feeding Habitat (WBF)	5.03	Moderate	5.00	Moderate	3.83	5.00
Waterbird Nesting Habitat (WBN)	5.95	Moderate	5.00	Higher	4.31	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.24	Higher	5.00	Moderate	8.04	5.00
Pollinator Habitat (POL)	8.81	Higher	3.33	Moderate	7.30	3.33
Native Plant Habitat (PH)	4.58	Moderate	6.23	Moderate	5.73	6.23
Public Use & Recognition (PU)			0.37	Lower		0.55
Wetland Sensitivity (Sens)			10.00	Higher		5.81
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.77	Lower	6.60	Higher	3.27	2.93
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.06	Moderate	1.80	Lower	6.54	1.75
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.94	Higher	6.98	Moderate	5.95	4.67
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.63	Moderate	4.36	Moderate	4.95	4.62
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.39	Higher	5.54	Moderate	7.53	5.54
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			7.17	Higher		4.04

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	11.70697723	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.321028006	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	55.38076922	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	24.51156918	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	46.48041176	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: WL79

Date: August 1, 2023

Observer: Ross Szendrei, Maddie Maher

Latitude & Longitude (decimal degrees): 45.528871, -63.245338

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)	1.00	Lower	4.62	Moderate	2.69	2.05
Stream Flow Support (SFS)	3.48	Moderate	7.40	Moderate	2.81	4.93
Water Cooling (WC)	6.17	Higher	0.85	Lower	4.11	0.46
Sediment Retention & Stabilisation (SR)	0.17	Lower	0.91	Lower	2.33	0.44
Phosphorus Retention (PR)	2.20	Lower	0.86	Lower	5.12	0.67
Nitrate Removal & Retention (NR)	3.14	Moderate	2.22	Lower	5.04	2.22
Carbon Sequestration (CS)	4.90	Moderate			7.52	
Organic Nutrient Export (OE)	7.41	Moderate			4.84	
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)	3.58	Moderate	4.50	Moderate	4.95	3.66
Amphibian & Turtle Habitat (AM)	4.78	Moderate	6.80	Higher	5.63	7.37
Waterbird Feeding Habitat (WBF)	5.21	Moderate	10.00	Higher	3.97	10.00
Waterbird Nesting Habitat (WBN)	5.88	Moderate	10.00	Higher	4.26	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.35	Higher	10.00	Higher	8.14	10.00
Pollinator Habitat (POL)	9.33	Higher	10.00	Higher	7.73	10.00
Native Plant Habitat (PH)	4.01	Moderate	8.62	Higher	5.50	8.62
Public Use & Recognition (PU)			1.85	Moderate		1.57
Wetland Sensitivity (Sens)			10.00	Higher		5.15
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.35	Moderate		2.28
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.00	Lower	4.62	Moderate	2.69	2.05
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.75	Moderate	1.78	Lower	6.26	1.67
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.29	Higher	5.83	Moderate	4.57	3.97
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.52	Moderate	7.68	Higher	4.20	7.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.46	Higher	9.77	Higher	7.63	9.77
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.18	Higher		3.72

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	4.639969969	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	6.662422221	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	36.61607476	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	34.74671432	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	82.62198778	Moderate

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: WL83

Date: July 27, 2023

Observer: Jason Astels

Latitude & Longitude (decimal degrees): 45.527142, -63.308008

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)	0.00	Lower	7.50	Higher	1.63	3.33
Stream Flow Support (SFS)	8.21	Higher	9.46	Higher	6.61	6.29
Water Cooling (WC)	7.33	Higher	7.37	Higher	4.89	4.00
Sediment Retention & Stabilisation (SR)	0.00	Lower	2.46	Moderate	1.82	1.20
Phosphorus Retention (PR)	0.49	Lower	2.86	Higher	4.05	2.22
Nitrate Removal & Retention (NR)	2.37	Lower	5.33	Moderate	4.48	5.33
Carbon Sequestration (CS)	2.98	Lower			6.60	
Organic Nutrient Export (OE)	7.73	Higher			5.05	
Anadromous Fish Habitat (FA)	6.73	Higher	3.29	Moderate	4.41	2.09
Resident Fish Habitat (FR)	6.58	Higher	3.19	Moderate	3.58	1.99
Aquatic Invertebrate Habitat (INV)	3.38	Lower	6.88	Higher	4.87	4.95
Amphibian & Turtle Habitat (AM)	4.81	Moderate	4.97	Moderate	5.64	5.86
Waterbird Feeding Habitat (WBF)	6.05	Moderate	5.00	Moderate	4.61	5.00
Waterbird Nesting Habitat (WBN)	4.83	Moderate	5.00	Higher	3.51	5.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.15	Higher	5.00	Moderate	7.96	5.00
Pollinator Habitat (POL)	9.13	Higher	3.33	Moderate	7.56	3.33
Native Plant Habitat (PH)	3.52	Lower	6.29	Moderate	5.31	6.29
Public Use & Recognition (PU)			0.51	Lower		0.65
Wetland Sensitivity (Sens)			10.00	Higher		5.39
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			6.80	Higher		3.45
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.00	Lower	7.50	Higher	1.63	3.33
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.22	Lower	4.44	Moderate	5.42	4.13
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.44	Higher	8.68	Higher	5.98	5.69
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	6.26	Moderate	4.64	Moderate	5.00	4.92
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.20	Higher	5.58	Moderate	7.45	5.58
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			8.40	Higher		4.42

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	0	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	9.846232361	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	64.53594077	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	29.09601919	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	45.77514004	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: WL88

Date: July 14, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5250420, -63.2909163

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)	2.14	Lower	6.71	Higher	3.54	2.98
Stream Flow Support (SFS)	4.48	Moderate	7.12	Moderate	3.61	4.73
Water Cooling (WC)	7.10	Higher	2.39	Moderate	4.73	1.29
Sediment Retention & Stabilisation (SR)	4.55	Moderate	8.41	Higher	5.75	4.12
Phosphorus Retention (PR)	2.40	Lower	7.77	Higher	5.25	6.04
Nitrate Removal & Retention (NR)	4.11	Moderate	10.00	Higher	5.75	10.00
Carbon Sequestration (CS)	2.40	Lower			6.33	
Organic Nutrient Export (OE)	9.33	Higher			6.10	
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)	10.00	Higher	5.22	Moderate	7.71	4.06
Amphibian & Turtle Habitat (AM)	7.41	Higher	7.37	Higher	7.00	7.83
Waterbird Feeding Habitat (WBF)	6.98	Higher	10.00	Higher	5.31	10.00
Waterbird Nesting Habitat (WBN)	5.28	Moderate	10.00	Higher	3.83	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.41	Higher	10.00	Higher	8.19	10.00
Pollinator Habitat (POL)	8.84	Higher	10.00	Higher	7.33	10.00
Native Plant Habitat (PH)	5.30	Moderate	8.51	Higher	6.02	8.51
Public Use & Recognition (PU)			0.49	Lower		0.63
Wetland Sensitivity (Sens)			8.64	Higher		4.63
Wetland Ecological Condition (EC)			8.84	Higher		9.44
Wetland Stressors (STR) (higher score means more stress)			2.31	Lower		1.30
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.14	Lower	6.71	Higher	3.54	2.98
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.96	Moderate	9.36	Higher	6.05	8.36
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.86	Higher	6.01	Moderate	6.62	4.05
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.67	Moderate	7.74	Higher	5.12	7.78
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.63	Higher	9.75	Higher	7.68	9.75
WETLAND CONDITION (EC)			8.84	Higher		9.44
WETLAND RISK (average of Sensitivity & Stressors)			5.48	Moderate		2.97

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
SUPPORT SUPERGROUP - HYDROLOGIC	14.37010706	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	37.07257091	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	53.28681827	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	43.8665166	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	84.15538634	Moderate

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: WL90

Date: July 21, 2023

Observer: Allison McCloy

Latitude & Longitude (decimal degrees): 45.5248050, -63.2924106

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)	0.48	Lower	4.00	Moderate	2.31	1.78
Stream Flow Support (SFS)	3.86	Moderate	6.33	Moderate	3.11	4.21
Water Cooling (WC)	3.00	Moderate	2.42	Moderate	2.00	1.31
Sediment Retention & Stabilisation (SR)	0.71	Lower	8.02	Higher	2.75	3.93
Phosphorus Retention (PR)	2.35	Lower	8.13	Higher	5.22	6.32
Nitrate Removal & Retention (NR)	2.38	Lower	10.00	Higher	4.50	10.00
Carbon Sequestration (CS)	1.12	Lower			5.72	
Organic Nutrient Export (OE)	8.59	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)	1.14	Lower	3.58	Moderate	3.95	3.17
Amphibian & Turtle Habitat (AM)	6.16	Moderate	6.31	Higher	6.35	6.96
Waterbird Feeding Habitat (WBF)	4.46	Moderate	10.00	Higher	3.39	10.00
Waterbird Nesting Habitat (WBN)	2.49	Moderate	10.00	Higher	1.81	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.59	Higher	10.00	Higher	7.48	10.00
Pollinator Habitat (POL)	8.76	Higher	10.00	Higher	7.26	10.00
Native Plant Habitat (PH)	2.58	Lower	8.24	Higher	4.93	8.24
Public Use & Recognition (PU)			1.50	Moderate		1.33
Wetland Sensitivity (Sens)			8.46	Higher		4.58
Wetland Ecological Condition (EC)			2.46	Lower		6.39
Wetland Stressors (STR) (higher score means more stress)			4.25	Moderate		2.23
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.48	Lower	4.00	Moderate	2.31	1.78
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.01	Lower	9.36	Higher	5.13	8.37
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.37	Higher	5.22	Moderate	4.64	3.55
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.39	Moderate	7.63	Higher	4.33	7.70
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.70	Higher	9.71	Higher	7.01	9.71
WETLAND CONDITION (EC)			2.46	Lower		6.39
WETLAND RISK (average of Sensitivity & Stressors)			6.35	Moderate		3.40

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
SUPPORT SUPERGROUP - HYDROLOGIC	1.928942223	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	18.83081251	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	33.21368108	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	33.48544197	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	74.74092996	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: WL95A/B

Date: July 25, 2023

Observer: Darcy Kavanagh, Ross Szendrei

Latitude & Longitude (decimal degrees): 45.521313, -63.288723

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)	1.52	Lower	3.78	Moderate	3.08	1.68
Stream Flow Support (SFS)	2.21	Moderate	6.28	Moderate	1.78	4.18
Water Cooling (WC)	2.88	Moderate	1.64	Lower	1.92	0.89
Sediment Retention & Stabilisation (SR)	1.21	Lower	1.23	Moderate	3.14	0.60
Phosphorus Retention (PR)	1.03	Lower	0.86	Lower	4.39	0.67
Nitrate Removal & Retention (NR)	2.95	Moderate	2.67	Lower	4.90	2.67
Carbon Sequestration (CS)	3.90	Moderate			7.04	
Organic Nutrient Export (OE)	7.42	Moderate			4.85	
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)	3.67	Moderate	4.52	Moderate	4.99	3.68
Amphibian & Turtle Habitat (AM)	5.56	Moderate	6.79	Higher	6.04	7.35
Waterbird Feeding Habitat (WBF)	4.99	Moderate	10.00	Higher	3.80	10.00
Waterbird Nesting Habitat (WBN)	5.50	Moderate	10.00	Higher	3.99	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.49	Higher	10.00	Higher	8.26	10.00
Pollinator Habitat (POL)	8.77	Higher	10.00	Higher	7.27	10.00
Native Plant Habitat (PH)	4.74	Moderate	8.51	Higher	5.79	8.51
Public Use & Recognition (PU)			0.58	Lower		0.69
Wetland Sensitivity (Sens)			9.69	Higher		4.93
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)	1.52	Lower	3.78	Moderate	3.08	1.68
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.09	Moderate	2.13	Lower	5.96	1.99
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.73	Higher	5.22	Moderate	4.19	3.55
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.38	Moderate	7.68	Higher	4.40	7.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.58	Higher	9.75	Higher	7.68	9.75
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			7.22	Higher		3.70

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	5.739308874	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	6.566535854	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	29.88400813	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	33.66057736	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	83.63679637	Moderate

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: WL97

Date: July 18, 2023

Observer: Allison McCloy

Latitude & Longitude (decimal degrees): 45.5165188, -63.3044450

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)	8.06	Higher	10.00	Higher	7.96	5.08
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	4.50	Moderate	0.00	Lower	3.00	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	2.43	Moderate	10.00	1.19
Phosphorus Retention (PR)	10.00	Higher	5.71	Higher	10.00	4.44
Nitrate Removal & Retention (NR)	10.00	Higher	5.33	Moderate	10.00	5.33
Carbon Sequestration (CS)	3.49	Moderate			6.85	
Organic Nutrient Export (OE)	5.49	Moderate			3.59	
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	3.95	Moderate	4.31	3.37
Amphibian & Turtle Habitat (AM)	6.85	Higher	6.48	Higher	6.71	7.10
Waterbird Feeding Habitat (WBF)	4.16	Moderate	10.00	Higher	3.17	10.00
Waterbird Nesting Habitat (WBN)	3.05	Moderate	10.00	Higher	2.21	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.34	Higher	10.00	Higher	8.13	10.00
Pollinator Habitat (POL)	8.13	Higher	10.00	Higher	6.73	10.00
Native Plant Habitat (PH)	2.80	Lower	8.29	Higher	5.02	8.29
Public Use & Recognition (PU)			1.29	Lower		1.18
Wetland Sensitivity (Sens)			10.00	Higher		5.06
Wetland Ecological Condition (EC)			3.91	Moderate		7.08
Wetland Stressors (STR) (higher score means more stress)			7.32	Higher		3.70
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.06	Higher	10.00	Higher	7.96	5.08
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.19	Higher	5.10	Moderate	9.61	4.49
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.25	Moderate	2.63	Lower	3.52	2.25
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.83	Moderate	7.65	Higher	4.56	7.71
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.05	Higher	9.71	Higher	7.38	9.71
WETLAND CONDITION (EC)			3.91	Moderate		7.08
WETLAND RISK (average of Sensitivity & Stressors)			8.66	Higher		4.38

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
SUPPORT SUPERGROUP - HYDROLOGIC	80.62717094	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	46.88153208	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	11.17553052	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	36.93370251	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	78.15861716	Moderate

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: WL98

Date: July 31, 2023

Observer: Madeline Maher

Latitude & Longitude (decimal degrees): 45.5162289, -63.3013817

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	10.00	Higher	8.30	5.05
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)	5.73	Moderate	2.93	Moderate	6.67	1.44
Phosphorus Retention (PR)	1.03	Lower	2.77	Higher	4.39	2.15
Nitrate Removal & Retention (NR)	10.00	Higher	6.17	Moderate	10.00	6.17
Carbon Sequestration (CS)	7.21	Higher			8.61	
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)	3.36	Lower	1.07	Lower	4.86	1.82
Amphibian & Turtle Habitat (AM)	2.15	Lower	4.61	Moderate	4.25	5.56
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)	7.68	Higher	10.00	Higher	6.69	10.00
Pollinator Habitat (POL)	9.70	Higher	10.00	Higher	8.04	10.00
Native Plant Habitat (PH)	3.05	Lower	8.24	Higher	5.12	8.24
Public Use & Recognition (PU)			2.11	Moderate		1.75
Wetland Sensitivity (Sens)			10.00	Higher		5.52
Wetland Ecological Condition (EC)			6.52	Higher		8.33
Wetland Stressors (STR) (higher score means more stress)			3.98	Moderate		2.10
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.52	Higher	10.00	Higher	8.30	5.05
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.00	Higher	5.06	Moderate	8.71	4.71
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.51	Moderate	0.72	Lower	3.57	1.22
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.29	Lower	2.77	Moderate	2.55	3.34
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.26	Higher	9.71	Higher	7.33	9.71
WETLAND CONDITION (EC)			6.52	Higher		8.33
WETLAND RISK (average of Sensitivity & Stressors)			6.99	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
SUPPORT SUPERGROUP - HYDROLOGIC	85.2032772	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	40.46897995	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.233726487	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	3.568296224	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	80.16948983	Moderate

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: WL99

Date: July 31, 2023

Observer: Ross Szendrei

Latitude & Longitude (decimal degrees): 45.515637, -63.301469

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)	1.53	Lower	7.16	Higher	3.09	3.18
Stream Flow Support (SFS)	6.28	Higher	7.49	Moderate	5.06	4.98
Water Cooling (WC)	8.90	Higher	3.17	Moderate	5.93	1.72
Sediment Retention & Stabilisation (SR)	3.34	Lower	1.21	Moderate	4.81	0.59
Phosphorus Retention (PR)	2.71	Lower	0.86	Lower	5.44	0.67
Nitrate Removal & Retention (NR)	2.46	Lower	2.22	Lower	4.55	2.22
Carbon Sequestration (CS)	5.10	Moderate			7.61	
Organic Nutrient Export (OE)	10.00	Higher			7.11	
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)	8.08	Higher	4.88	Moderate	6.79	3.87
Amphibian & Turtle Habitat (AM)	6.01	Moderate	7.07	Higher	6.27	7.59
Waterbird Feeding Habitat (WBF)	5.78	Moderate	10.00	Higher	4.40	10.00
Waterbird Nesting Habitat (WBN)	5.77	Moderate	10.00	Higher	4.19	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.61	Higher	10.00	Higher	8.37	10.00
Pollinator Habitat (POL)	9.38	Higher	10.00	Higher	7.77	10.00
Native Plant Habitat (PH)	4.11	Moderate	8.71	Higher	5.54	8.71
Public Use & Recognition (PU)			1.94	Moderate		1.63
Wetland Sensitivity (Sens)			10.00	Higher		5.70
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			1.96	Lower		1.13
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.53	Lower	7.16	Higher	3.09	3.18
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.25	Moderate	1.83	Lower	6.60	1.69
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	9.16	Higher	6.33	Moderate	6.67	4.25
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.76	Moderate	7.71	Higher	4.62	7.76
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.66	Higher	9.79	Higher	7.80	9.79
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			5.98	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
SUPPORT SUPERGROUP - HYDROLOGIC	10.99327503	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.759010977	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	57.97943352	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	36.6825796	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	84.6960098	Moderate

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: WL100

Date: July 21, 2023

Observer: Allison McCloy, Gracie Rushton

Latitude & Longitude (decimal degrees): 45.5156, 63.2866

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)	2.44	Lower	8.18	Higher	3.77	3.63
Stream Flow Support (SFS)	2.97	Moderate	6.56	Moderate	2.39	4.37
Water Cooling (WC)	2.75	Moderate	1.82	Lower	1.83	0.98
Sediment Retention & Stabilisation (SR)	1.93	Lower	1.78	Moderate	3.71	0.87
Phosphorus Retention (PR)	1.95	Lower	1.50	Moderate	4.97	1.17
Nitrate Removal & Retention (NR)	2.69	Lower	2.50	Lower	4.71	2.50
Carbon Sequestration (CS)	4.28	Moderate			7.22	
Organic Nutrient Export (OE)	8.33	Higher			5.45	
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)	4.16	Moderate	4.95	Moderate	5.19	3.91
Amphibian & Turtle Habitat (AM)	6.38	Moderate	5.58	Higher	6.47	6.36
Waterbird Feeding Habitat (WBF)	6.03	Moderate	6.67	Moderate	4.59	6.67
Waterbird Nesting Habitat (WBN)	6.30	Moderate	6.67	Higher	4.57	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	8.99	Higher	6.67	Moderate	7.82	6.67
Pollinator Habitat (POL)	8.47	Higher	6.67	Moderate	7.02	6.67
Native Plant Habitat (PH)	4.58	Moderate	7.17	Moderate	5.73	7.17
Public Use & Recognition (PU)			1.85	Moderate		1.57
Wetland Sensitivity (Sens)			10.00	Higher		5.76
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			7.75	Higher		3.90
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.44	Lower	8.18	Higher	3.77	3.63
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.50	Moderate	2.21	Lower	6.19	2.01
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.44	Higher	5.50	Moderate	4.58	3.73
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.06	Moderate	5.22	Higher	4.80	5.30
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.17	Higher	7.00	Moderate	7.34	7.00
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			8.88	Higher		4.83

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	19.96290604	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.735782894	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	35.44093427	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	26.45543176	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	57.18391211	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: WL101

Date: Aug 1, 2023

Observer: Allison McCloy, Gracie Rushton

Latitude & Longitude (decimal degrees): 45.5152, 63.2869

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)	1.99	Lower	7.56	Higher	3.43	3.35
Stream Flow Support (SFS)	1.66	Moderate	5.73	Moderate	1.33	3.81
Water Cooling (WC)	2.13	Moderate	1.72	Lower	1.42	0.93
Sediment Retention & Stabilisation (SR)	1.40	Lower	1.78	Moderate	3.29	0.87
Phosphorus Retention (PR)	0.00	Lower	1.50	Moderate	3.68	1.17
Nitrate Removal & Retention (NR)	2.40	Lower	2.50	Lower	4.50	2.50
Carbon Sequestration (CS)	1.31	Lower			5.81	
Organic Nutrient Export (OE)	6.75	Moderate			4.41	
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)	4.09	Moderate	4.16	Moderate	5.16	3.48
Amphibian & Turtle Habitat (AM)	4.83	Moderate	5.42	Moderate	5.65	6.22
Waterbird Feeding Habitat (WBF)	5.51	Moderate	6.67	Moderate	4.19	6.67
Waterbird Nesting Habitat (WBN)	4.48	Moderate	6.67	Higher	3.25	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	8.97	Higher	6.67	Moderate	7.81	6.67
Pollinator Habitat (POL)	8.07	Higher	6.67	Moderate	6.69	6.67
Native Plant Habitat (PH)	3.29	Lower	7.05	Moderate	5.22	7.05
Public Use & Recognition (PU)			1.85	Moderate		1.57
Wetland Sensitivity (Sens)			10.00	Higher		5.12
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			7.75	Higher		3.90
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.99	Lower	7.56	Higher	3.43	3.35
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	1.84	Lower	2.21	Lower	5.07	2.01
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.20	Moderate	4.80	Moderate	4.12	3.28
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.24	Moderate	5.21	Higher	4.14	5.29
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.88	Higher	6.93	Moderate	7.19	6.93
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			8.88	Higher		4.51

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	15.0479583	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	4.06299982	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	24.95693931	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	22.05802627	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	54.54121846	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: WL102

Date: August 1, 2023

Observer: Allison McCloy, Gracie Rushton

Latitude & Longitude (decimal degrees): 45.5136, 63.2872

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)	1.37	Lower	8.03	Higher	2.97	3.56
Stream Flow Support (SFS)	6.28	Higher	6.67	Moderate	5.06	4.44
Water Cooling (WC)	5.42	Higher	2.94	Moderate	3.61	1.59
Sediment Retention & Stabilisation (SR)	2.89	Lower	1.87	Moderate	4.45	0.92
Phosphorus Retention (PR)	2.52	Lower	1.07	Moderate	5.32	0.83
Nitrate Removal & Retention (NR)	3.66	Moderate	2.78	Lower	5.42	2.78
Carbon Sequestration (CS)	4.46	Moderate			7.31	
Organic Nutrient Export (OE)	8.12	Higher			5.31	
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)	7.18	Higher	6.24	Higher	6.42	4.60
Amphibian & Turtle Habitat (AM)	7.26	Higher	6.08	Higher	6.93	6.77
Waterbird Feeding Habitat (WBF)	8.44	Higher	6.67	Moderate	6.43	6.67
Waterbird Nesting Habitat (WBN)	9.74	Higher	6.67	Higher	7.06	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	8.28	Higher	6.67	Moderate	7.21	6.67
Pollinator Habitat (POL)	8.35	Higher	6.67	Moderate	6.92	6.67
Native Plant Habitat (PH)	6.10	Moderate	6.93	Moderate	6.34	6.93
Public Use & Recognition (PU)			0.37	Lower		0.55
Wetland Sensitivity (Sens)			9.15	Higher		4.78
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			4.56	Moderate		2.38
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.37	Lower	8.03	Higher	2.97	3.56
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.92	Moderate	2.34	Lower	6.46	2.14
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.44	Higher	5.98	Moderate	5.76	4.07
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	7.41	Higher	5.27	Higher	5.57	5.39
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.96	Higher	6.84	Moderate	7.02	6.84
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			6.85	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	10.9763245	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	9.180096633	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	44.43809754	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	39.0916485	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	54.48610571	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: WL103

Date: August 2, 2023

Observer: Ross Szendrei, Madeline Maher

Latitude & Longitude (decimal degrees): 45.51242, -63.30566

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)	1.64	Lower	10.00	Higher	3.17	4.95
Stream Flow Support (SFS)	2.66	Moderate	6.74	Moderate	2.14	4.48
Water Cooling (WC)	3.79	Moderate	2.31	Moderate	2.53	1.25
Sediment Retention & Stabilisation (SR)	1.54	Lower	3.08	Moderate	3.40	1.51
Phosphorus Retention (PR)	0.74	Lower	2.77	Higher	4.21	2.15
Nitrate Removal & Retention (NR)	3.30	Moderate	7.50	Higher	5.16	7.50
Carbon Sequestration (CS)	4.04	Moderate			7.11	
Organic Nutrient Export (OE)	6.68	Moderate			4.36	
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)	3.71	Moderate	4.66	Moderate	5.01	3.76
Amphibian & Turtle Habitat (AM)	6.75	Higher	6.59	Higher	6.66	7.19
Waterbird Feeding Habitat (WBF)	6.58	Higher	10.00	Higher	5.01	10.00
Waterbird Nesting Habitat (WBN)	5.94	Moderate	10.00	Higher	4.30	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.53	Higher	10.00	Higher	6.56	10.00
Pollinator Habitat (POL)	8.77	Higher	10.00	Higher	7.27	10.00
Native Plant Habitat (PH)	3.52	Lower	7.94	Higher	5.31	7.94
Public Use & Recognition (PU)			2.46	Moderate		1.98
Wetland Sensitivity (Sens)			9.78	Higher		4.96
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			6.86	Higher		3.48
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.64	Lower	10.00	Higher	3.17	4.95
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.22	Moderate	5.97	Moderate	6.04	5.61
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.44	Moderate	5.65	Moderate	4.26	3.82
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.30	Moderate	7.66	Higher	4.93	7.72
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.69	Higher	9.66	Higher	6.82	9.66
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			8.32	Higher		4.22

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	16.43377143	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	19.26735313	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	30.78076354	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	40.61711713	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	74.24513914	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: WL104

Date: August 8, 2023

Observer: Ross Szendrei, Gracie Rushton

Latitude & Longitude (decimal degrees): 45.510941, -63.286036

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)	0.87	Lower	8.03	Higher	2.59	3.56
Stream Flow Support (SFS)	2.86	Moderate	6.51	Moderate	2.31	4.33
Water Cooling (WC)	8.15	Higher	1.18	Lower	5.43	0.64
Sediment Retention & Stabilisation (SR)	1.88	Lower	1.13	Moderate	3.67	0.56
Phosphorus Retention (PR)	0.95	Lower	1.07	Moderate	4.34	0.83
Nitrate Removal & Retention (NR)	3.01	Moderate	2.78	Lower	4.94	2.78
Carbon Sequestration (CS)	4.09	Moderate			7.13	
Organic Nutrient Export (OE)	6.98	Moderate			4.56	
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)	5.63	Higher	5.49	Moderate	5.79	4.20
Amphibian & Turtle Habitat (AM)	4.54	Moderate	6.26	Higher	5.50	6.92
Waterbird Feeding Habitat (WBF)	7.36	Higher	6.67	Moderate	5.61	6.67
Waterbird Nesting Habitat (WBN)	7.76	Higher	6.67	Higher	5.62	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	9.74	Higher	6.67	Moderate	8.48	6.67
Pollinator Habitat (POL)	9.25	Higher	6.67	Moderate	7.67	6.67
Native Plant Habitat (PH)	2.23	Lower	7.60	Moderate	4.79	7.60
Public Use & Recognition (PU)			1.99	Moderate		1.66
Wetland Sensitivity (Sens)			10.00	Higher		5.56
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.87	Lower	8.03	Higher	2.59	3.56
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.29	Moderate	2.22	Lower	6.08	2.08
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.03	Higher	5.45	Moderate	5.16	3.70
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.84	Moderate	5.29	Higher	4.48	5.48
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.41	Higher	7.29	Moderate	7.73	7.29
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			7.21	Higher		3.94

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	6.953703617	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.298200862	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	38.32275708	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	30.92712327	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	61.32185458	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: WL107

Date: August 1, 2023

Observer: Allison McCloy, Gracie Rushton

Latitude & Longitude (decimal degrees): 45.5086, 63.2855

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)	5.43	Moderate	7.16	Higher	6.00	3.18
Stream Flow Support (SFS)	1.05	Lower	0.00	Lower	0.84	0.00
Water Cooling (WC)	4.29	Moderate	0.00	Lower	2.86	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	1.13	Moderate	10.00	0.56
Phosphorus Retention (PR)	2.93	Lower	1.07	Moderate	5.58	0.83
Nitrate Removal & Retention (NR)	10.00	Higher	2.78	Lower	10.00	2.78
Carbon Sequestration (CS)	4.48	Moderate			7.32	
Organic Nutrient Export (OE)	5.74	Moderate			3.75	
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)	3.10	Lower	4.54	Moderate	4.76	3.69
Amphibian & Turtle Habitat (AM)	3.81	Moderate	5.58	Higher	5.12	6.36
Waterbird Feeding Habitat (WBF)	5.62	Moderate	6.67	Moderate	4.28	6.67
Waterbird Nesting Habitat (WBN)	6.36	Moderate	6.67	Higher	4.61	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	9.35	Higher	6.67	Moderate	8.14	6.67
Pollinator Habitat (POL)	7.82	Moderate	6.67	Moderate	6.48	6.67
Native Plant Habitat (PH)	4.05	Moderate	7.09	Moderate	5.52	7.09
Public Use & Recognition (PU)			0.37	Lower		0.55
Wetland Sensitivity (Sens)			7.99	Higher		4.45
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.43	Moderate	7.16	Higher	6.00	3.18
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.43	Higher	2.22	Lower	9.11	2.08
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	4.64	Moderate	3.03	Lower	3.90	2.46
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.76	Moderate	5.22	Higher	3.96	5.30
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.21	Higher	6.95	Moderate	7.42	6.95
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			6.17	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	38.88938935	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	18.70064859	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	14.05743378	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	24.87098101	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	57.06945813	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: WL110

Date: July 21, 2023

Observer: Allison McCloy

Latitude & Longitude (decimal degrees): 45.5070078, -63.2857644

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)	0.89	Lower	6.37	Moderate	2.61	2.83
Stream Flow Support (SFS)	2.83	Moderate	6.14	Moderate	2.28	4.09
Water Cooling (WC)	3.21	Moderate	3.19	Moderate	2.14	1.73
Sediment Retention & Stabilisation (SR)	1.93	Lower	8.34	Higher	3.71	4.09
Phosphorus Retention (PR)	2.78	Lower	8.30	Higher	5.48	6.46
Nitrate Removal & Retention (NR)	3.86	Moderate	10.00	Higher	5.56	10.00
Carbon Sequestration (CS)	3.93	Moderate			7.05	
Organic Nutrient Export (OE)	7.23	Moderate			4.73	
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)	5.22	Moderate	3.46	Moderate	5.62	3.11
Amphibian & Turtle Habitat (AM)	9.77	Higher	4.20	Moderate	8.24	5.23
Waterbird Feeding Habitat (WBF)	7.45	Higher	10.00	Higher	5.68	10.00
Waterbird Nesting Habitat (WBN)	6.50	Moderate	10.00	Higher	4.72	10.00
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)	3.88	Moderate	3.33	Lower	5.45	3.33
Public Use & Recognition (PU)			0.49	Lower		0.63
Wetland Sensitivity (Sens)			3.68	Lower		3.22
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			6.36	Higher		3.24
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.89	Lower	6.37	Moderate	2.61	2.83
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.52	Moderate	9.44	Higher	6.25	8.42
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.93	Higher	5.20	Moderate	4.66	3.53
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	7.26	Higher	7.42	Higher	5.98	7.52
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	2.59	Moderate	2.22	Lower	3.63	2.22
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			5.02	Moderate		3.23

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
SUPPORT SUPERGROUP - HYDROLOGIC	5.682288606	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	33.27953624	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	30.8318605	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	53.86185892	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	5.744604505	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: WL111

Date: July 13, 2023

Observer: Darcy Kavanagh

Latitude & Longitude (decimal degrees): 45.507, -63.319

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)	1.23	Lower	8.80	Higher	2.86	3.90
Stream Flow Support (SFS)	2.97	Moderate	7.31	Moderate	2.39	4.87
Water Cooling (WC)	3.00	Moderate	2.27	Moderate	2.00	1.23
Sediment Retention & Stabilisation (SR)	0.00	Lower	9.17	Higher	1.91	4.49
Phosphorus Retention (PR)	1.56	Lower	8.84	Higher	4.72	6.88
Nitrate Removal & Retention (NR)	1.60	Lower	10.00	Higher	3.93	10.00
Carbon Sequestration (CS)	3.68	Moderate			6.93	
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)	3.46	Moderate	4.40	Moderate	4.90	3.61
Amphibian & Turtle Habitat (AM)	5.95	Moderate	6.49	Higher	6.24	7.10
Waterbird Feeding Habitat (WBF)	5.72	Moderate	10.00	Higher	4.35	10.00
Waterbird Nesting Habitat (WBN)	5.67	Moderate	10.00	Higher	4.11	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.99	Higher	10.00	Higher	6.96	10.00
Pollinator Habitat (POL)	7.17	Moderate	10.00	Higher	5.94	10.00
Native Plant Habitat (PH)	3.43	Lower	7.63	Moderate	5.27	7.63
Public Use & Recognition (PU)			2.54	Moderate		2.04
Wetland Sensitivity (Sens)			6.66	Moderate		4.07
Wetland Ecological Condition (EC)			5.94	Moderate		8.06
Wetland Stressors (STR) (higher score means more stress)			8.45	Higher		4.24
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.23	Lower	8.80	Higher	2.86	3.90
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.69	Moderate	9.67	Higher	5.65	8.56
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.93	Higher	5.99	Moderate	4.92	4.05
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.71	Moderate	7.65	Higher	4.59	7.71
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.10	Higher	9.61	Higher	6.51	9.61
WETLAND CONDITION (EC)			5.94	Moderate		8.06
WETLAND RISK (average of Sensitivity & Stressors)			7.56	Higher		4.16

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	10.78011048	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	26.02448789	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	41.51049622	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	36.00561882	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	68.16773357	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: WL112

Date: July 13, 2023

Observer: Darcy Kavanagh

Latitude & Longitude (decimal degrees): 45.506544, -63.327436

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)	2.80	Lower	4.01	Moderate	4.03	1.78
Stream Flow Support (SFS)	1.98	Moderate	6.56	Moderate	1.59	4.37
Water Cooling (WC)	3.25	Moderate	0.61	Lower	2.17	0.33
Sediment Retention & Stabilisation (SR)	1.51	Lower	0.38	Lower	3.37	0.19
Phosphorus Retention (PR)	3.10	Moderate	0.43	Lower	5.68	0.33
Nitrate Removal & Retention (NR)	2.50	Lower	2.50	Lower	4.58	2.50
Carbon Sequestration (CS)	4.77	Moderate			7.45	
Organic Nutrient Export (OE)	7.75	Higher			5.06	
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)	3.38	Lower	4.44	Moderate	4.87	3.64
Amphibian & Turtle Habitat (AM)	4.82	Moderate	5.39	Moderate	5.65	6.20
Waterbird Feeding Habitat (WBF)	5.04	Moderate	6.67	Moderate	3.84	6.67
Waterbird Nesting Habitat (WBN)	5.85	Moderate	6.67	Higher	4.24	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	9.30	Higher	6.67	Moderate	8.10	6.67
Pollinator Habitat (POL)	8.47	Higher	6.67	Moderate	7.02	6.67
Native Plant Habitat (PH)	4.39	Moderate	7.26	Moderate	5.66	7.26
Public Use & Recognition (PU)			0.37	Lower		0.55
Wetland Sensitivity (Sens)			10.00	Higher		5.03
Wetland Ecological Condition (EC)			6.52	Higher		8.33
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.80	Lower	4.01	Moderate	4.03	1.78
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.87	Moderate	1.80	Lower	6.36	1.75
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.92	Higher	5.22	Moderate	4.24	3.57
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.50	Moderate	5.21	Higher	4.20	5.29
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.34	Higher	7.06	Moderate	7.51	7.06
WETLAND CONDITION (EC)			6.52	Higher		8.33
WETLAND RISK (average of Sensitivity & Stressors)			7.17	Higher		3.65

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	11.21236219	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	6.968161567	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	30.85802348	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	23.39978397	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	58.9391689	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: WL113

Date: August 16, 2023

Observer: Dafna Schultz

Latitude & Longitude (decimal degrees): 45.50414, -63.285627

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)	1.23	Lower	5.41	Moderate	2.86	2.40
Stream Flow Support (SFS)	1.07	Lower	0.00	Lower	0.86	0.00
Water Cooling (WC)	5.25	Moderate	1.44	Lower	3.50	0.78
Sediment Retention & Stabilisation (SR)	0.33	Lower	1.13	Moderate	2.46	0.56
Phosphorus Retention (PR)	0.00	Lower	1.29	Moderate	3.48	1.00
Nitrate Removal & Retention (NR)	2.23	Lower	3.33	Lower	4.39	3.33
Carbon Sequestration (CS)	2.30	Lower			6.28	
Organic Nutrient Export (OE)	6.86	Moderate			4.48	
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)	5.30	Moderate	4.82	Moderate	5.65	3.84
Amphibian & Turtle Habitat (AM)	9.38	Higher	2.16	Lower	8.04	3.54
Waterbird Feeding Habitat (WBF)	5.57	Moderate	0.00	Lower	4.24	0.00
Waterbird Nesting Habitat (WBN)	6.05	Moderate	0.00	Lower	4.38	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.32	Moderate	0.00	Lower	6.37	0.00
Pollinator Habitat (POL)	8.27	Higher	0.00	Lower	6.85	0.00
Native Plant Habitat (PH)	3.94	Moderate	4.41	Lower	5.48	4.41
Public Use & Recognition (PU)			0.23	Lower		0.46
Wetland Sensitivity (Sens)			3.73	Lower		3.23
Wetland Ecological Condition (EC)			5.22	Moderate		7.71
Wetland Stressors (STR) (higher score means more stress)			4.27	Moderate		2.24
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.23	Lower	5.41	Moderate	2.86	2.40
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	1.76	Lower	2.63	Lower	5.22	2.48
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.74	Higher	3.45	Lower	4.64	2.69
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	6.79	Higher	1.29	Lower	5.69	2.12
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.39	Higher	2.94	Lower	6.54	2.94
WETLAND CONDITION (EC)			5.22	Moderate		7.71
WETLAND RISK (average of Sensitivity & Stressors)			4.00	Lower		2.74

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	6.632978849	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	4.610754337	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	19.80622425	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	8.782449949	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	21.7057725	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: WL114

Date: August 17, 2023

Observer: Dafna Schultz

Latitude & Longitude (decimal degrees): 45.504640, -63.284845

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)	1.65	Lower	6.03	Moderate	3.18	2.68
Stream Flow Support (SFS)	1.47	Lower	5.32	Moderate	1.19	3.54
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	0.00	Lower	1.13	Moderate	1.78	0.56
Phosphorus Retention (PR)	0.00	Lower	1.29	Moderate	2.56	1.00
Nitrate Removal & Retention (NR)	1.88	Lower	3.33	Lower	4.13	3.33
Carbon Sequestration (CS)	0.26	Lower			5.32	
Organic Nutrient Export (OE)	3.96	Moderate			2.59	
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)	1.57	Lower	1.67	Moderate	4.13	2.15
Amphibian & Turtle Habitat (AM)	2.28	Lower	0.00	Lower	4.32	1.67
Waterbird Feeding Habitat (WBF)	3.45	Moderate	0.00	Lower	2.63	0.00
Waterbird Nesting Habitat (WBN)	4.88	Moderate	0.00	Lower	3.54	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	2.74	Moderate	0.00	Lower	2.39	0.00
Pollinator Habitat (POL)	6.81	Moderate	0.00	Lower	5.65	0.00
Native Plant Habitat (PH)	1.50	Lower	2.68	Lower	4.50	2.68
Public Use & Recognition (PU)			0.23	Lower		0.46
Wetland Sensitivity (Sens)			3.18	Lower		3.07
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.27	Moderate		2.24
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.65	Lower	6.03	Moderate	3.18	2.68
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	1.21	Lower	2.63	Lower	4.38	2.48
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	2.85	Lower	3.82	Lower	3.05	2.72
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.50	Moderate	0.00	Lower	3.21	1.00
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.25	Moderate	1.79	Lower	4.91	1.79
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			3.72	Lower		2.66

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	9.944657817	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	3.173363143	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	10.9154081	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	0	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	9.372342429	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: WL115

Date: July 13, 2023

Observer: Blake Fairclough

Latitude & Longitude (decimal degrees): 45.5041216, -63.3094596

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)	0.80	Lower	7.28	Higher	2.54	3.23
Stream Flow Support (SFS)	2.48	Moderate	8.79	Higher	2.00	5.85
Water Cooling (WC)	6.35	Higher	3.49	Moderate	4.23	1.89
Sediment Retention & Stabilisation (SR)	1.56	Lower	8.96	Higher	3.42	4.39
Phosphorus Retention (PR)	1.05	Lower	8.36	Higher	4.40	6.50
Nitrate Removal & Retention (NR)	3.66	Moderate	10.00	Higher	5.42	10.00
Carbon Sequestration (CS)	2.84	Lower			6.54	
Organic Nutrient Export (OE)	8.97	Higher			5.86	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	6.85	Higher	3.69	Moderate	3.72	2.30
Aquatic Invertebrate Habitat (INV)	10.00	Higher	6.44	Higher	7.66	4.71
Amphibian & Turtle Habitat (AM)	8.42	Higher	6.75	Higher	7.53	7.32
Waterbird Feeding Habitat (WBF)	7.26	Higher	10.00	Higher	5.52	10.00
Waterbird Nesting Habitat (WBN)	6.95	Higher	10.00	Higher	5.04	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	7.41	Moderate	10.00	Higher	6.45	10.00
Pollinator Habitat (POL)	8.28	Higher	10.00	Higher	6.87	10.00
Native Plant Habitat (PH)	3.41	Lower	7.77	Higher	5.26	7.77
Public Use & Recognition (PU)			0.49	Lower		0.63
Wetland Sensitivity (Sens)			4.37	Lower		3.41
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			1.88	Lower		1.09
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.80	Lower	7.28	Higher	2.54	3.23
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.97	Moderate	9.55	Higher	5.74	8.48
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.47	Higher	7.51	Moderate	6.30	5.00
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	7.16	Higher	8.04	Higher	5.95	7.96
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.33	Higher	9.63	Higher	6.53	9.63
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			3.12	Lower		2.25

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
SUPPORT SUPERGROUP - HYDROLOGIC	5.826425003	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	28.3681358	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	63.66730068	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	57.56869329	Moderate
HABITAT SUPERGROUP - TRANSITION HABITAT	70.54920932	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: WL116

Date: August 9, 2023

Observer: Ross Szendrei

Latitude & Longitude (decimal degrees): 45.503252, -63.285074

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)	1.36	Lower	3.72	Lower	2.96	1.65
Stream Flow Support (SFS)	1.52	Moderate	6.67	Moderate	1.22	4.44
Water Cooling (WC)	6.45	Higher	1.16	Lower	4.30	0.63
Sediment Retention & Stabilisation (SR)	1.78	Lower	1.13	Moderate	3.58	0.56
Phosphorus Retention (PR)	1.59	Lower	1.29	Moderate	4.74	1.00
Nitrate Removal & Retention (NR)	3.17	Moderate	3.33	Lower	5.06	3.33
Carbon Sequestration (CS)	1.41	Lower			5.86	
Organic Nutrient Export (OE)	8.57	Higher			5.60	
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)	8.20	Higher	5.06	Moderate	6.84	3.97
Amphibian & Turtle Habitat (AM)	6.03	Moderate	7.53	Higher	6.28	7.96
Waterbird Feeding Habitat (WBF)	7.41	Higher	10.00	Higher	5.64	10.00
Waterbird Nesting Habitat (WBN)	5.05	Moderate	10.00	Higher	3.66	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.47	Higher	10.00	Higher	8.24	10.00
Pollinator Habitat (POL)	9.40	Higher	10.00	Higher	7.79	10.00
Native Plant Habitat (PH)	3.80	Moderate	8.68	Higher	5.42	8.68
Public Use & Recognition (PU)			1.94	Moderate		1.63
Wetland Sensitivity (Sens)			10.00	Higher		5.61
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)	1.36	Lower	3.72	Lower	2.96	1.65
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.58	Moderate	2.63	Lower	5.34	2.48
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.38	Higher	5.49	Moderate	5.66	3.73
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.56	Moderate	7.75	Higher	4.70	7.80
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.51	Higher	9.78	Higher	7.69	9.78
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.21	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	5.05907433	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	6.764576484	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	40.46684457	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	43.06875045	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	83.23473009	Moderate

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: WL117

Date: August 9, 2023

Observer: Ross Szendrei, Gracie Rushton

Latitude & Longitude (decimal degrees): 45.502912, -63.284123

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)	1.15	Lower	9.64	Higher	2.81	4.28
Stream Flow Support (SFS)	6.48	Higher	10.00	Higher	5.22	9.38
Water Cooling (WC)	7.67	Higher	5.33	Moderate	5.11	2.89
Sediment Retention & Stabilisation (SR)	1.42	Lower	1.59	Moderate	3.31	0.78
Phosphorus Retention (PR)	0.34	Lower	2.57	Moderate	3.96	2.00
Nitrate Removal & Retention (NR)	3.44	Moderate	3.33	Lower	5.26	3.33
Carbon Sequestration (CS)	0.42	Lower			5.39	
Organic Nutrient Export (OE)	8.16	Higher			5.34	
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)	3.72	Moderate	5.40	Moderate	5.01	4.15
Amphibian & Turtle Habitat (AM)	8.11	Higher	7.02	Higher	7.37	7.54
Waterbird Feeding Habitat (WBF)	6.29	Moderate	10.00	Higher	4.79	10.00
Waterbird Nesting Habitat (WBN)	6.79	Higher	10.00	Higher	4.92	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.01	Higher	10.00	Higher	7.84	10.00
Pollinator Habitat (POL)	8.85	Higher	10.00	Higher	7.33	10.00
Native Plant Habitat (PH)	2.59	Lower	8.39	Higher	4.93	8.39
Public Use & Recognition (PU)			1.94	Moderate		1.63
Wetland Sensitivity (Sens)			9.00	Higher		4.74
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.15	Lower	9.64	Higher	2.81	4.28
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.42	Lower	2.92	Lower	4.94	2.69
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.34	Higher	8.46	Higher	5.25	7.43
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	6.18	Moderate	7.70	Higher	5.40	7.75
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.91	Higher	9.73	Higher	7.27	9.73
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			6.71	Higher		3.52

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	11.12252495	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	7.068989585	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	62.03674164	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	47.56350542	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	76.98217648	Moderate

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: WL118

Date: August 21, 2023

Observer: Dafna Schultz, Renee MacQuarrie

Latitude & Longitude (decimal degrees): 45.493090, -63.282775

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)	1.85	Lower	4.85	Moderate	3.32	2.15
Stream Flow Support (SFS)	2.90	Moderate	4.01	Moderate	2.33	2.67
Water Cooling (WC)	5.13	Moderate	0.34	Lower	3.42	0.18
Sediment Retention & Stabilisation (SR)	2.06	Lower	7.37	Higher	3.81	3.61
Phosphorus Retention (PR)	1.87	Lower	7.05	Higher	4.92	5.49
Nitrate Removal & Retention (NR)	2.65	Lower	10.00	Higher	4.69	10.00
Carbon Sequestration (CS)	3.06	Lower			6.64	
Organic Nutrient Export (OE)	6.62	Moderate			4.33	
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)	4.26	Moderate	4.47	Moderate	5.23	3.65
Amphibian & Turtle Habitat (AM)	5.84	Moderate	6.82	Higher	6.18	7.38
Waterbird Feeding Habitat (WBF)	5.18	Moderate	10.00	Higher	3.95	10.00
Waterbird Nesting Habitat (WBN)	4.97	Moderate	10.00	Higher	3.60	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.40	Higher	10.00	Higher	8.18	10.00
Pollinator Habitat (POL)	8.67	Higher	10.00	Higher	7.19	10.00
Native Plant Habitat (PH)	4.30	Moderate	8.46	Higher	5.62	8.46
Public Use & Recognition (PU)			0.23	Lower		0.46
Wetland Sensitivity (Sens)			8.67	Higher		4.64
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			3.84	Moderate		2.03
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.85	Lower	4.85	Moderate	3.32	2.15
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.74	Moderate	9.07	Higher	5.83	8.18
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.67	Higher	3.71	Lower	4.53	2.91
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.52	Moderate	7.68	Higher	4.46	7.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.43	Higher	9.74	Higher	7.59	9.74
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			6.25	Moderate		3.34

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
SUPPORT SUPERGROUP - HYDROLOGIC	8.952549772	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	24.82042149	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	21.02465105	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	34.71060497	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	82.14544322	Moderate

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: WL119

Date: August 18, 2023

Observer: Dafna Schultz

Latitude & Longitude (decimal degrees): 45.485798, -63.281878

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)	8.44	Higher	4.23	Moderate	8.24	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)	6.44	Moderate	1.23	Moderate	7.22	0.60
Phosphorus Retention (PR)	0.00	Lower	1.34	Moderate	3.69	1.04
Nitrate Removal & Retention (NR)	10.00	Higher	3.50	Lower	10.00	3.50
Carbon Sequestration (CS)	6.35	Moderate			8.20	
Organic Nutrient Export (OE)	4.39	Moderate			2.87	
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)	7.33	Higher	2.21	Moderate	6.48	2.43
Amphibian & Turtle Habitat (AM)	4.10	Moderate	5.68	Higher	5.27	6.44
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)	10.00	Higher	10.00	Higher	9.33	10.00
Pollinator Habitat (POL)	8.73	Higher	10.00	Higher	7.24	10.00
Native Plant Habitat (PH)	3.63	Moderate	8.86	Higher	5.35	8.86
Public Use & Recognition (PU)			0.40	Lower		0.58
Wetland Sensitivity (Sens)			7.29	Higher		4.25
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			5.86	Moderate		3.00
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.44	Higher	4.23	Moderate	8.24	1.88
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.85	Higher	2.76	Lower	8.64	2.61
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.13	Moderate	1.47	Lower	4.41	1.62
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.46	Lower	3.41	Moderate	3.16	3.87
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.73	Higher	9.81	Higher	8.32	9.81
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			6.57	Moderate		3.62

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	35.68433176	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.67194543	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	7.552321614	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	8.381248095	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	85.604296	Moderate

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: WL120

Date: September 5, 2023

Observer: Alex Scott, Renee MacQuarrie

Latitude & Longitude (decimal degrees): 45.483989, -63.280714

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)	2.65	Lower	5.10	Moderate	3.92	2.26
Stream Flow Support (SFS)	5.24	Higher	4.40	Moderate	4.22	2.93
Water Cooling (WC)	6.60	Higher	3.47	Moderate	4.40	1.88
Sediment Retention & Stabilisation (SR)	4.65	Moderate	1.21	Moderate	5.82	0.59
Phosphorus Retention (PR)	2.15	Lower	0.43	Lower	5.09	0.33
Nitrate Removal & Retention (NR)	3.57	Moderate	3.33	Lower	5.35	3.33
Carbon Sequestration (CS)	4.00	Moderate			7.09	
Organic Nutrient Export (OE)	10.00	Higher			6.54	
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)	4.77	Moderate	4.14	Moderate	5.44	3.47
Amphibian & Turtle Habitat (AM)	5.41	Moderate	6.33	Higher	5.96	6.97
Waterbird Feeding Habitat (WBF)	4.43	Moderate	10.00	Higher	3.37	10.00
Waterbird Nesting Habitat (WBN)	5.45	Moderate	10.00	Higher	3.95	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.68	Higher	10.00	Higher	7.55	10.00
Pollinator Habitat (POL)	8.99	Higher	10.00	Higher	7.45	10.00
Native Plant Habitat (PH)	2.65	Lower	8.34	Higher	4.96	8.34
Public Use & Recognition (PU)			3.73	Moderate		2.86
Wetland Sensitivity (Sens)			6.45	Moderate		4.01
Wetland Ecological Condition (EC)			7.10	Higher		8.61
Wetland Stressors (STR) (higher score means more stress)			6.16	Higher		3.14
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.65	Lower	5.10	Moderate	3.92	2.26
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	4.12	Moderate	2.50	Lower	6.46	2.38
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.33	Higher	4.20	Moderate	5.85	3.12
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.25	Moderate	7.63	Higher	4.31	7.70
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.88	Higher	9.72	Higher	7.10	9.72
WETLAND CONDITION (EC)			7.10	Higher		8.61
WETLAND RISK (average of Sensitivity & Stressors)			6.30	Moderate		3.57

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	13.52775707	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	10.28125153	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	34.99874339	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	32.4758915	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	76.66062043	Moderate

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: WL121

Date: September 5, 2023

Observer: Alex Scott, Renee MacQuarrie

Latitude & Longitude (decimal degrees): 45.481253, -63.28025

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)	1.69	Lower	4.89	Moderate	3.21	2.17
Stream Flow Support (SFS)	5.24	Higher	4.25	Moderate	4.22	2.83
Water Cooling (WC)	7.20	Higher	3.39	Moderate	4.80	1.84
Sediment Retention & Stabilisation (SR)	3.74	Moderate	0.83	Lower	5.11	0.41
Phosphorus Retention (PR)	2.45	Lower	0.43	Lower	5.28	0.33
Nitrate Removal & Retention (NR)	3.94	Moderate	2.50	Lower	5.62	2.50
Carbon Sequestration (CS)	3.86	Moderate			7.02	
Organic Nutrient Export (OE)	9.81	Higher			6.41	
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)	6.02	Higher	4.41	Moderate	5.95	3.62
Amphibian & Turtle Habitat (AM)	5.30	Moderate	6.52	Higher	5.90	7.13
Waterbird Feeding Habitat (WBF)	4.76	Moderate	10.00	Higher	3.62	10.00
Waterbird Nesting Habitat (WBN)	6.07	Moderate	10.00	Higher	4.40	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.94	Higher	10.00	Higher	7.78	10.00
Pollinator Habitat (POL)	9.12	Higher	10.00	Higher	7.56	10.00
Native Plant Habitat (PH)	4.82	Moderate	8.45	Higher	5.82	8.45
Public Use & Recognition (PU)			3.73	Moderate		2.86
Wetland Sensitivity (Sens)			9.43	Higher		4.86
Wetland Ecological Condition (EC)			8.84	Higher		9.44
Wetland Stressors (STR) (higher score means more stress)			5.31	Moderate		2.73
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	1.69	Lower	4.89	Moderate	3.21	2.17
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.72	Moderate	1.88	Lower	6.39	1.79
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	8.44	Higher	4.21	Moderate	5.88	3.19
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.65	Moderate	7.65	Higher	4.34	7.71
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.37	Higher	9.74	Higher	7.42	9.74
WETLAND CONDITION (EC)			8.84	Higher		9.44
WETLAND RISK (average of Sensitivity & Stressors)			7.37	Higher		3.80

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	8.284221465	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	6.979167126	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	35.53793255	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	35.56993005	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	81.55923142	Moderate

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: WL122

Date: September 6, 2023

Observer: Alex Scott, Renee MacQuarrie

Latitude & Longitude (decimal degrees): 45.477906, -63.27925

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)	2.52	Lower	4.73	Moderate	3.82	2.10
Stream Flow Support (SFS)	2.97	Moderate	4.10	Moderate	2.39	2.73
Water Cooling (WC)	7.20	Higher	0.87	Lower	4.80	0.47
Sediment Retention & Stabilisation (SR)	3.38	Lower	0.83	Lower	4.83	0.41
Phosphorus Retention (PR)	1.95	Lower	0.43	Lower	4.96	0.33
Nitrate Removal & Retention (NR)	3.05	Moderate	5.00	Moderate	4.97	5.00
Carbon Sequestration (CS)	4.70	Moderate			7.42	
Organic Nutrient Export (OE)	9.26	Higher			6.05	
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)	6.67	Higher	3.96	Moderate	6.22	3.38
Amphibian & Turtle Habitat (AM)	5.27	Moderate	6.11	Higher	5.88	6.80
Waterbird Feeding Habitat (WBF)	3.42	Moderate	10.00	Higher	2.61	10.00
Waterbird Nesting Habitat (WBN)	5.49	Moderate	10.00	Higher	3.98	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	8.94	Higher	10.00	Higher	7.78	10.00
Pollinator Habitat (POL)	8.59	Higher	10.00	Higher	7.12	10.00
Native Plant Habitat (PH)	4.28	Moderate	8.30	Higher	5.61	8.30
Public Use & Recognition (PU)			1.71	Moderate		1.47
Wetland Sensitivity (Sens)			8.01	Higher		4.45
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	2.52	Lower	4.73	Moderate	3.82	2.10
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.98	Moderate	3.54	Moderate	6.48	3.46
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.89	Higher	3.53	Lower	5.54	2.78
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.16	Moderate	7.61	Higher	4.19	7.68
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.10	Higher	9.72	Higher	7.31	9.72
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			6.21	Moderate		3.38

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	11.89079885	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	14.11870148	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	27.89351864	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	31.68522128	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	78.74787686	Moderate

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: WL123

Date: September 6, 2023

Observer: Alex Scott, Renee MacQuarrie

Latitude & Longitude (decimal degrees): 45.475319, -63.277717

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)	6.21	Moderate	4.73	Moderate	6.58	2.10
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	7.20	Higher	0.00	Lower	4.80	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	0.73	Lower	10.00	0.36
Phosphorus Retention (PR)	10.00	Higher	0.98	Lower	10.00	0.76
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	4.99	Moderate			7.56	
Organic Nutrient Export (OE)	5.02	Moderate			3.28	
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)	7.94	Higher	4.71	Moderate	6.73	3.78
Amphibian & Turtle Habitat (AM)	6.16	Moderate	6.78	Higher	6.35	7.35
Waterbird Feeding Habitat (WBF)	5.21	Moderate	10.00	Higher	3.97	10.00
Waterbird Nesting Habitat (WBN)	5.91	Moderate	10.00	Higher	4.28	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.29	Higher	10.00	Higher	8.08	10.00
Pollinator Habitat (POL)	9.28	Higher	10.00	Higher	7.69	10.00
Native Plant Habitat (PH)	4.28	Moderate	8.59	Higher	5.61	8.59
Public Use & Recognition (PU)			4.08	Moderate		3.10
Wetland Sensitivity (Sens)			9.86	Higher		4.98
Wetland Ecological Condition (EC)			10.00	Higher		10.00
Wetland Stressors (STR) (higher score means more stress)			6.07	Higher		3.10
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	6.21	Moderate	4.73	Moderate	6.58	2.10
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.37	Higher	2.51	Lower	9.69	2.41
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.49	Higher	3.14	Lower	5.22	2.52
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	4.81	Moderate	7.68	Higher	4.63	7.73
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.45	Higher	9.77	Higher	7.61	9.77
WETLAND CONDITION (EC)			10.00	Higher		10.00
WETLAND RISK (average of Sensitivity & Stressors)			7.97	Higher		4.04

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	29.35601842	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	23.50425097	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	20.3765837	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	36.90161596	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	82.52622551	Moderate

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: WL124

Date: September 6, 2023

Observer: Leah Riehl

Latitude & Longitude (decimal degrees): 45.470108, -63.277738

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)	0.44	Lower	4.74	Moderate	2.28	2.10
Stream Flow Support (SFS)	4.41	Moderate	4.06	Moderate	3.56	2.70
Water Cooling (WC)	7.65	Higher	2.66	Moderate	5.10	1.44
Sediment Retention & Stabilisation (SR)	2.96	Lower	7.47	Higher	4.51	3.66
Phosphorus Retention (PR)	2.81	Lower	6.86	Higher	5.50	5.33
Nitrate Removal & Retention (NR)	2.65	Lower	10.00	Higher	4.69	10.00
Carbon Sequestration (CS)	3.71	Moderate			6.95	
Organic Nutrient Export (OE)	8.62	Higher			5.63	
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)	6.17	Higher	4.89	Moderate	6.01	3.88
Amphibian & Turtle Habitat (AM)	6.64	Moderate	6.88	Higher	6.60	7.43
Waterbird Feeding Habitat (WBF)	5.00	Moderate	10.00	Higher	3.80	10.00
Waterbird Nesting Habitat (WBN)	6.07	Moderate	10.00	Higher	4.40	10.00
Songbird, Raptor, & Mammal Habitat (SBM)	9.74	Higher	10.00	Higher	8.47	10.00
Pollinator Habitat (POL)	8.67	Higher	10.00	Higher	7.19	10.00
Native Plant Habitat (PH)	5.50	Moderate	8.55	Higher	6.10	8.55
Public Use & Recognition (PU)			0.61	Lower		0.71
Wetland Sensitivity (Sens)			8.50	Higher		4.59
Wetland Ecological Condition (EC)			6.52	Higher		8.33
Wetland Stressors (STR) (higher score means more stress)			3.45	Moderate		1.84
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.44	Lower	4.74	Moderate	2.28	2.10
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	3.37	Moderate	9.05	Higher	6.18	8.17
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.67	Higher	4.38	Moderate	5.54	3.28
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	5.09	Moderate	7.69	Higher	4.78	7.74
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.85	Higher	9.76	Higher	7.86	9.76
WETLAND CONDITION (EC)			6.52	Higher		8.33
WETLAND RISK (average of Sensitivity & Stressors)			5.97	Moderate		3.22

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
SUPPORT SUPERGROUP - HYDROLOGIC	2.092332654	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	30.49753759	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	33.59654264	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	39.11567107	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	86.38590269	Moderate

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

CONCLUSION: Site is not a WSS

APPENDIX J
STRUM OLD GROWTH FIELD DATA

GIS Mapstand: E163-03453

Plot Number: 1

Date: 07/24/2023

UTM: 20T 476861 5043086

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	rM						
2								
4								
6								
8								
10								
12	3							
14	1							
16								
18	2							
20	2							
22								
24	1							
26	2							
28	2	1						
30	3							
32	1							
34	1							
36	1							
38								
40	1							
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03453

Plot Number: 2

Date: 07/24/2023

UTM: 20T 476927 5043065

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	bF						
2								
4								
6								
8								
10								
12								
14	2							
16	1							
18	1	1						
20	1	1						
22	3	1						
24	1	1						
26	2	3						
28		1						
30	1	1						
32								
34	2							
36		1						
38								
40								
42	1							
44								
46								
48								
50								
52	1							
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03453

Plot Number: 3

Date: 07/24/2023

UTM: 20T 476797 5043115

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	bF						
2								
4								
6								
8								
10								
12		1						
14								
16	2							
18	2							
20	1							
22	5							
24	2							
26	4	1						
28								
30	2							
32	1							
34								
36								
38								
40								
42								
44								
46								
48								
50	1							
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04878

Plot Number: 1

Date: 07/25/2023

UTM: 20T 47905 5039255

VT: TH1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB	bE	rS				
2								
4								
6								
8								
10			1					
12	2			1				
14	2							
16	1							
18	1							
20								
22								
24		1						
26								
28								
30								
32	1							
34								
36								
38								
40	1	2						
42								
44								
46								
48		1						
50				1				
52								
54								
56								
58								
60		1						
62								
64								
66								
68+								

GIS Mapstand: E163-04878

Plot Number: 2

Date: 07/25/2023

UTM: 20T 474795 5039267

VT: TH1/TH2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB	rS					
2								
4								
6								
8								
10								
12								
14								
16	1							
18								
20	1							
22								
24	2							
26								
28	1							
30		1						
32								
34								
36	1							
38								
40								
42	1		1					
44								
46								
48								
50								
52								
54								
56								
58								
60	1							
62								
64	1							
66								
68+								

GIS Mapstand: E163-04878

Plot Number: 3

Date: 07/25/2023

UTM: 20T 474813 5039361

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB						
2								
4								
6								
8								
10	1							
12								
14								
16								
18	1							
20								
22								
24								
26	1							
28	1							
30	1							
32								
34		1						
36		1						
38								
40								
42								
44								
46		1						
48								
50		1						
52								
54								
56								
58								
60								
62								
64								
66		1						
68+								

GIS Mapstand: E163-04878

Plot Number: 4

Date: 07/25/2023

UTM: 20T 474792 5039496

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	rM	sM					
2								
4								
6								
8	1							
10								
12	4							
14								
16								
18	1							
20	1							
22			1					
24								
26	2							
28	1							
30		1						
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04878

Plot Number: 5

Date: 07/25/2023

UTM: 20T 474893 5039450

VT: TH1a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	rM	sM					
2								
4								
6								
8								
10								
12								
14								
16								
18			1					
20		1						
22		1						
24		1						
26								
28	1							
30								
32		1						
34	1							
36	1							
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66	1							
68+								

GIS Mapstand: E163-04878

Plot Number: 6

Date: 07/25/2023

UTM: 20T 474990 5039465

VT: TH1a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES						
	yB	rM	sM				
2							
4							
6			1				
8	1						
10							
12							
14		1	1				
16			1				
18	1						
20		1	1				
22		1					
24		2					
26							
28	1						
30			1				
32		1					
34	1						
36	1						
38			1				
40							
42							
44	1						
46							
48							
50							
52							
54							
56							
58							
60							
62							
64							
66							
68+							

GIS Mapstand: E163-04878

Plot Number: 7

Date: 07/25/2023

UTM: 20T 475044 5039381

VT: TH8

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	sM	rM	rS				
2								
4								
6		2						
8			1					
10								
12								
14								
16	1							
18			3	1				
20		1						
22			1					
24								
26								
28								
30	1							
32	1							
34		1						
36								
38	1							
40								
42	1							
44								
46								
48								
50								
52	1							
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04878

Plot Number: 8

Date: 07/25/2023

UTM: 20T 475133 5039378

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB						
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26	2							
28								
30								
32								
34	1							
36		1						
38		1						
40	1	1						
42		1						
44		1						
46								
48								
50								
52		1						
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04914

Plot Number: 1

Date: 07/25/2023

UTM: 20T 475222 5039323

VT: TH2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	sM	yB					
2								
4								
6								
8								
10		1						
12		1						
14								
16		2						
18		2						
20		2						
22	1							
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								
46			1					
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04914

Plot Number: 2

Date: 07/25/2023

UTM: 20T 475286 5039225

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB						
2								
4								
6	1							
8								
10	1							
12	1							
14	1							
16								
18								
20	1							
22								
24	1							
26								
28								
30		1						
32								
34		1						
36		1						
38								
40		2						
42	1	1						
44								
46		1						
48		1						
50								
52		1						
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04914

Plot Number: 3

Date: 07/25/2023

UTM: 20T 475295 5039120

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	rS	rM	sM				
2								
4								
6								
8								
10								
12								
14	1			1				
16	1							
18								
20								
22	1							
24	2							
26	1							
28		2						
30	1							
32			1					
34								
36		1						
38			1					
40	2							
42								
44								
46								
48		1						
50								
52								
54								
56								
58	1							
60								
62								
64								
66								
68+								

GIS Mapstand: E163-02973

Plot Number: 1

Date: 07/26/2023

UTM: 20T 475710 5044524

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	bF						
2								
4								
6								
8								
10								
12	1							
14	3							
16	3	1						
18	1							
20	1							
22	5							
24	5							
26	3							
28	2							
30	4							
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-02973

Plot Number: 2

Date: 07/26/2023

UTM: 20T 475730 5044598

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	bF	rM					
2								
4								
6		1						
8								
10								
12								
14								
16	1							
18								
20		1						
22	1							
24	2	1						
26								
28	1		1					
30								
32	1							
34	3							
36								
38								
40								
42								
44								
46								
48	1							
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-02973

Plot Number: 3

Date: 07/26/2023

UTM: 20T 475710 5044668

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	bF	rM					
2								
4								
6								
8								
10								
12		1						
14	3							
16	1							
18	1		1					
20								
22								
24	1							
26	3							
28	4							
30								
32	1							
34	1							
36	1							
38	2							
40	1							
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03424

Plot Number: 1

Date: 07/26/2023

UTM: 20T 475777 5043258

VT: TH2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB						
2								
4								
6								
8								
10								
12	1							
14								
16								
18	1							
20	2							
22								
24	2							
26	1							
28								
30								
32		1						
34								
36								
38	1							
40								
42								
44	1							
46		1						
48								
50								
52								
54								
56								
58		1						
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03424

Plot Number: 2

Date: 07/26/2023

UTM: 20T 475652 5043268

VT: TH1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	sM						
2								
4								
6								
8								
10								
12								
14								
16								
18		1						
20								
22								
24								
26		2						
28		1						
30		1						
32								
34								
36	1							
38								
40								
42	1							
44								
46								
48								
50								
52								
54	1							
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03424

Plot Number: 3

Date: 07/26/2023

UTM: 20T 475583 5043384

VT: TH1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	sM						
2								
4								
6								
8								
10		1						
12								
14								
16	1	1						
18		1						
20		2						
22								
24		1						
26								
28								
30		1						
32		1						
34								
36		1						
38								
40	1	1						
42								
44								
46								
48		1						
50								
52								
54								
56	1							
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03424

Plot Number: 4

Date: 07/27/2023

UTM: 20T 475485 5043398

VT: TH1/TH2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB	rS	bE				
2		1						
4								
6								
8								
10								
12				1				
14								
16								
18								
20	1							
22								
24	2							
26	1							
28								
30								
32		1						
34								
36	1							
38								
40								
42		1						
44								
46			1					
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+		1						

GIS Mapstand: E163-03424

Plot Number: 5

Date: 07/27/2023

UTM: 20T 475406 5043470

VT: TH1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	BE						
2								
4								
6		1						
8								
10								
12	1							
14	2	1						
16		1						
18	2							
20	1	1						
22								
24								
26								
28	1							
30								
32								
34	1							
36								
38	1							
40	1							
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03424

Plot Number: 6

Date: 07/27/2023

UTM: 20T 475312 5043465

VT: TH1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM							
2								
4								
6								
8								
10								
12								
14	1							
16	1							
18	6							
20								
22	5							
24	3							
26								
28	1							
30								
32	2							
34	1							
36								
38								
40								
42								
44	1							
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03424

Plot Number: 7

Date: 07/27/2023

UTM: 20T 475271 5043554

VT: TH2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB						
2								
4								
6								
8								
10	1							
12								
14	1							
16	1							
18								
20								
22	1							
24	1							
26								
28								
30								
32								
34								
36								
38	1							
40								
42		1						
44								
46								
48								
50		1						
52								
54								
56								
58								
60								
62								
64		2						
66								
68+								

GIS Mapstand: E163-03424

Plot Number: 8

Date: 07/27/2023

UTM: 20T 475221 5043480

VT: TH2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	sM						
2								
4								
6		1						
8								
10		6						
12		2						
14		1						
16								
18	1	1						
20		2						
22								
24		2						
26								
28								
30		1						
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03425

Plot Number: 1

Date: 07/27/2023

UTM: 20T 475160 5043407

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES						
	rS	rM	yB				
2							
4							
6							
8							
10							
12							
14	1						
16							
18							
20							
22	2						
24							
26	1	1					
28	1						
30							
32	2						
34	1						
36	2						
38	2						
40							
42							
44	1						
46	1						
48							
50			1				
52							
54							
56	1						
58							
60							
62							
64							
66							
68+							

GIS Mapstand: E163-03425

Plot Number: 2

Date: 07/27/2023

UTM: 20T 475214 5043324

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS							
2								
4								
6								
8								
10								
12								
14	1							
16	2							
18	4							
20	5							
22	2							
24	5							
26	7							
28	4							
30								
32								
34								
36	1							
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03425

Plot Number: 3

Date: 07/27/2023

UTM: 20T 475220 5043388

VT: SH5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	yB	rM					
2								
4								
6								
8								
10								
12								
14	1							
16								
18								
20	1							
22								
24								
26								
28	1							
30	1							
32	2							
34	1		1					
36	3							
38	1							
40	1							
42	2							
44		1						
46	2							
48	1							
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03459

Plot Number: 1

Date: 07/27/2023

UTM: 20T 47440 5043744

VT: MW1/MW2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	sM	bF	rM				
2								
4								
6								
8	1							
10	1							
12	2							
14			1					
16	1		2					
18	2		1					
20	2							
22	2		2					
24			1	1				
26	1							
28	4			2				
30								
32	1							
34								
36		1						
38								
40	1							
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03459

Plot Number: 2

Date: 07/27/2023

UTM: 20T 477497 5043816

VT: TH2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB						
2								
4								
6								
8								
10	1							
12								
14								
16								
18	1							
20								
22	1							
24	2							
26	1							
28		1						
30	2							
32								
34								
36		1						
38	1	1						
40								
42	1							
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-03459

Plot Number: 3

Date: 07/27/2023

UTM: 20T 477488 5043900

VT: TH2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB						
2								
4								
6								
8								
10								
12	1							
14								
16								
18								
20								
22								
24	3							
26	1							
28		1						
30								
32								
34	1							
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04400

Plot Number: 1

Date: 07/28/2023

UTM: 20T 475977 5039970

VT: TH7

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	wB	rM	yB					
2								
4								
6								
8			2					
10			2					
12								
14								
16		1						
18								
20			1					
22			1					
24		1						
26								
28								
30								
32								
34	1		1					
36								
38	1							
40								
42								
44			1					
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04400

Plot Number: 2

Date: 07/28/2023

UTM: 20T 475879 5039892

VT: TH1a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB							
2								
4								
6								
8								
10								
12	1							
14								
16								
18								
20	1							
22	1							
24	1							
26								
28								
30								
32								
34	1							
36								
38								
40								
42	2							
44								
46								
48								
50								
52								
54	1							
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04400

Plot Number: 3

Date: 07/28/2023

UTM: 20T 475817 5039811

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB	rS	rM				
2								
4								
6	1	1						
8		2						
10	1							
12				1				
14	1	1						
16		1						
18		2						
20			1					
22								
24		1						
26								
28								
30		1						
32			1					
34								
36	1							
38								
40								
42								
44								
46								
48								
50								
52	1	1						
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04400

Plot Number: 4

Date: 07/28/2023

UTM: 20T 475824 5039684

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	bF	rM	sM				
2								
4		1						
6								
8								
10	1		1					
12								
14								
16		1						
18	1		1	1				
20	1							
22								
24	1							
26			1					
28								
30								
32								
34	1							
36	1							
38								
40	3							
42	1							
44								
46								
48	1							
50								
52								
54								
56								
58	1							
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04400

Plot Number: 5

Date: 07/28/2023

UTM: 20T 475908 5039618

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rM	sM	rS	yB	bF			
2								
4								
6								
8								
10	1	1						
12								
14	1	2						
16	1	2	1					
18				1				
20			1		1			
22								
24				1				
26								
28	1							
30		1						
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
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58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04400

Plot Number: 6

Date: 07/28/2023

UTM: 20T 475942 5039500

VT: TH2a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	sM						
2								
4								
6								
8								
10								
12								
14								
16	1	2						
18	1							
20								
22	2							
24								
26								
28								
30								
32	1							
34		1						
36	1	1						
38	1							
40		1						
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04400

Plot Number: 7

Date: 07/28/2023

UTM: 20T 475986 5039580

VT: TH8

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB	wB	rM				
2								
4								
6								
8								
10								
12	1							
14		1						
16								
18	1	2	1					
20	1							
22	1							
24								
26								
28				1				
30		1						
32				1				
34								
36								
38								
40		1						
42								
44								
46								
48								
50								
52		1						
54								
56				1				
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04883

Plot Number: 1

Date: 07/31/2023

UTM: 20T 474267 5039154

VT: TH8

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rM	yB	rS	bF				
2								
4								
6								
8								
10								
12								
14								
16			1					
18			1	1				
20		1						
22	1	2						
24								
26		1						
28								
30	1		1					
32				1				
34								
36		1						
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04883

Plot Number: 2

Date: 07/31/2023

UTM: 20T 474306 5039266

VT: TH1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	rS	sM	bF				
2								
4								
6								
8								
10								
12	1							
14								
16	1							
18								
20			1					
22	1							
24			1					
26								
28			1	1				
30								
32								
34	1		1					
36	2							
38								
40								
42								
44								
46								
48								
50								
52		1						
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04883

Plot Number: 3

Date: 07/31/2023

UTM: 20T 474387 5039349

VT: TH1a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	sM	rM					
2								
4								
6								
8								
10								
12								
14								
16								
18	1							
20								
22								
24			1					
26								
28								
30								
32								
34	2							
36								
38								
40								
42								
44	2							
46	1							
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04877

Plot Number: 1

Date: 07/31/2023

UTM: 20T 474465 5039302

VT: WD2

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	rM						
2								
4								
6								
8								
10								
12	2	1						
14	3							
16	1							
18	1							
20								
22								
24		1						
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04877

Plot Number: 2

Date: 07/31/2023

UTM: 20T 474472 5039472

VT: WC5

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rS	bF						
2								
4								
6								
8								
10		1						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32	1							
34	2							
36								
38								
40	2							
42								
44	1							
46	2							
48								
50	1							
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04877

Plot Number: 3

Date: 07/31/2023

UTM: 20T 474361 5039498

VT: TH7

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB							
2								
4								
6								
8								
10								
12								
14								
16	1							
18								
20	1							
22	2							
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04877

Plot Number: 4

Date: 07/31/2023

UTM: 20T 474412 5039593

VT: TH8

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	rM	yB	bF	rS				
2								
4			1					
6								
8			1					
10								
12								
14								
16		1						
18								
20	1	1						
22		2						
24		2						
26		1						
28								
30								
32								
34								
36	1							
38								
40								
42								
44								
46								
48								
50								
52								
54				1				
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04877

Plot Number: 5

Date: 07/31/2023

UTM: 20T 474516 5039529

VT: TH?

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB							
2								
4								
6								
8								
10								
12	2							
14	1							
16								
18								
20	1							
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04929

Plot Number: 1

Date: 08/01/2023

UTM: 20T 475559 5038818

VT: MW1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	rS						
2								
4								
6								
8								
10								
12								
14								
16								
18	1	3						
20	1							
22								
24								
26		1						
28								
30	1	1						
32		1						
34								
36								
38								
40	1							
42								
44								
46		1						
48								
50		2						
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04929

Plot Number: 2

Date: 08/01/2023

UTM: 20T 475616 5038803

VT: MW1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB	stM	rS				
2								
4		1						
6		1		1				
8		1	1					
10								
12		1						
14								
16								
18	1							
20								
22								
24								
26	1	1						
28				1				
30								
32		1						
34								
36								
38								
40				1				
42								
44				1				
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E163-04929

Plot Number: 3

Date: 08/01/2023

UTM: 20T 475659 5038781

VT: MW1

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	sM	yB	rS	rM				
2								
4								
6								
8								
10								
12	1	1						
14								
16	1							
18								
20			1	1				
22								
24			1					
26			1					
28								
30								
32				1				
34								
36			1					
38								
40								
42								
44		1						
46								
48			1					
50								
52								
54								
56								
58								
60			1					
62								
64								
66								
68+								

GIS Mapstand: E161-08144

Plot Number: 1

Date: 08/01/2023

UTM: 20T 479700 5046622

VT: TH8

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	sM	bF	rM				
2								
4								
6								
8		1						
10								
12								
14								
16			1					
18	1		1					
20								
22								
24								
26				1				
28								
30								
32				2				
34	1			1				
36	1							
38								
40								
42	1							
44								
46								
48				1				
50								
52								
54	1							
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E161-08144

Plot Number: 2

Date: 08/01/2023

UTM: 20T 479787 5046555

VT: TH1a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	yB	BE						
2								
4		1						
6								
8								
10								
12	1							
14	1							
16								
18	1							
20								
22								
24								
26								
28	1							
30	1							
32								
34	2							
36								
38								
40	1							
42	2							
44	1							
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68+								

GIS Mapstand: E161-08144

Plot Number: 3

Date: 08/01/2023

UTM: 20T 479868 5046545

VT: TH1a

DBH (cm)	LIVE TREES Basal Area Tally - SPECIES							
	BE	sM	bF	yB				
2								
4								
6	1		1					
8			1					
10								
12								
14								
16								
18								
20								
22		2						
24								
26								
28		2		1				
30		2						
32		1						
34				1				
36								
38		1						
40		1						
42								
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52								
54								
56								
58								
60								
62								
64								
66								
68+								



Photo 1: Representative photo of stand ID E163-04883 captured at Plot 2 at 12:48 on July 31, 2023.



Photo 2: Representative photo of stand ID E161-08144 captured at Plot 2 at 14:54 on August 1, 2023.



Photo 3: Representative photo of stand ID E163-04929 captured at Plot 2 at 10:02 on August 1, 2023.



Photo 4: Representative photo of stand ID E163-04877 captured at Plot 2 at 14:45 on July 31, 2023.



Photo 5: Representative photo of stand ID E163-04400 captured at Plot 4 at 11:16 on July 28, 2023.



Photo 6: Representative photo of stand ID E163-03453 captured at Plot 1 at 14:41 on July 24, 2023.



Photo 7: Representative photo of stand ID E163-04878 captured at Plot 5 at 12:27 on July 25, 2023.



Photo 8: Representative photo of stand ID E163-03424 captured at Plot 6 at 10:59 on July 27, 2023.



Photo 9: Representative photo of stand ID E163-03459 captured at Plot 2 at 16:46 on July 27, 2023.



Photo 10: Representative photo of stand ID E163-03425 captured at Plot 3 at 14:00 on July 27, 2023.



Photo 11: Representative photog of stand ID E163-02973 captured at Plot 1 at 10:15 on July 26, 2023.



Photo 12: Representative photo of stand ID E163-04914 captured at Plot 2 at 15:57 on July 25, 2023.



Photo 13: Representative photo of stand ID E163-03878 captured at Plot 1 at 9:37 on July 25, 2023.



Photo 14: Representative photo of stand ID E163-03349 captured at Plot 3 at 17:16 on July 27, 2023.



Photo 15: Representative photo of stand ID E161-08354 captured at 12:25 on August 1, 2023. Not evaluated due to prior harvesting and human influence.



Photo 16: Representative photo of stand ID E163-02978 captured at 12:17 on July 26, 2023. Not evaluated due to extensive blowdown.



Photo 17: Representative photo of stand ID E163-02982 captured at 11:17 on July 26, 2023. Not evaluated due to extensive blowdown.



Photo 18: Representative photo of stand ID E163-03955 captured at 12:49 on July 24, 2023. Not evaluated due to extensive blowdown.



Photo 19: Representative photo of stand ID E161-03134 captured at 13:07 on August 1, 2023. Not evaluated due to extensive blowdown.

APPENDIX K
STRUM LICHEN ASSESSMENT



November 14, 2022

Mr. Glenn Goudey
Nova Scotia Power Inc.
1223 Lower Water St.
Halifax, NS B3J 3S8

Dear Mr. Goudey,

Re: Lichen Assessment
Nuttby II, Bear Lake and Loganville Wind Energy Sites

Introduction

Strum Consulting was retained by Nova Scotia Power Inc. (NSPI) to complete a lichen assessment within the study areas of three separate proposed wind energy sites in Nova Scotia: Nuttby II, Loganville, and Bear Lake. Lichen occurrences were initially noted concurrently with wetland and watercourse assessments conducted by Strum in 2021, but this recent program focused on dedicated lichen assessments on each of the Project sites.

The purpose of the lichen assessment was to identify lichen species of conservational interest (SOCl) present within the study areas and record their location. For the purpose of this report, a SOCl is defined as:

- Species listed as 'Endangered', 'Threatened' or 'Special Concern' under the federal *Species at Risk Act* (SARA) or the Committee on the Status of Endangered Wildlife in Canada (COSEWIC).
- Species listed as 'Endangered', 'Threatened' or 'Vulnerable' under the NS *Endangered Species Act* (NS ESA).
- Species with a Subnational Rarity Rank (S-Rank) of 'S1', 'S2', or 'S3' (ACCDC).

Species noted within the Nova Scotia Department Natural Resources [now Nova Scotia Natural Resources and Renewables (NSNRR)] "At-Risk Lichens – Special Management Practices" (2018) (attached) and their respective management practices were considered in the recommendations and methodologies below.

Engineering • Surveying • Environmental

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St. John's Office
#E120 - 120 Torbay Road
St. John's, NL A1A 2G8
t. 709.738.8478 (24/7)
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Methodology

A detailed desktop review was performed to identify areas within the Study Areas where rare lichens were most likely to occur. Data was collected from both the previous 2021 surveys and site reconnaissance to identify areas where adequate or preferred habitats might be present. Desktop studies of forest height and tree stand types were conducted to identify areas that may meet the habitat requirements of rare lichens.

Mr. Chris Pepper, an expert lichenologist was retained as a sub-consultant to conduct all field surveys, with the help of Strum field staff for logistics surrounding transportation, safety, and access. Lichen surveys were completed between January 1 and November 1, 2022. Throughout the winter months, surveys were only conducted when trees were void of snow and conditions were clear and safe for access and snowshoeing. Spring, summer, and fall surveys were conducted during fair weather conditions (e.g., moderate to low winds, and low to no precipitation).

Watercourses were targeted for the semi-aquatic species *Peltigera hydrothyria* during the late spring after water levels had subsided. Otherwise, surveys were focused on forested areas identified through the desktop review and location scouting. The surveys were conducted by walking transects throughout suitable lichen habitats and while searching microenvironments (e.g., mature trees, shaded tree stumps, etc.) suitable for rare lichen growth. The *Common Lichens of Northeastern North America* (McMullin & Anderson, 2014) field guide was referenced when a specimen was not easily identified given the conditions. All observations of lichens were georeferenced with a handheld GPS, photographed and recorded using ESRI Canada's Survey123 platform.

Results

Table 1 shows the results of the lichen surveys.

Table 1: Lichen Species Identified During Field Surveys

Common Name	Scientific Name	SARA	COSEWIC	NS ESA	S-RANK	Location Coordinates (NAD 83 UTM Zone 20)	Survey Year	Site
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-64.1622°W, 44.8078°N	2022	Bear Lake
Blistered Jellyskin Lichen	<i>Leptogium corticola</i>	Not Listed	Not Listed	Not Listed	S3S4	-64.1676°W, 44.8058°N	2022	Bear Lake
Blistered Jellyskin Lichen	<i>Leptogium corticola</i>	Not Listed	Not Listed	Not Listed	S3S4	-64.2129°W, 44.7772°N	2022	Bear Lake
Blistered Tarpaper Lichen	<i>Collema nigrescens</i>	Not Listed	Not Listed	Not Listed	S3	-64.1756°W, 44.764°N	2022	Bear Lake
Blistered Tarpaper Lichen	<i>Collema nigrescens</i>	Not Listed	Not Listed	Not Listed	S3	-64.1784°W, 44.7598°N	2022	Bear Lake
Blistered Tarpaper Lichen	<i>Collema nigrescens</i>	Not Listed	Not Listed	Not Listed	S3	-64.2183°W, 44.8131°N	2022	Bear Lake
Blue Felt Lichen	<i>Degelia plumbea</i>	Special Concern	Special Concern	Vulnerable	S3	[REDACTED]	2022	Bear Lake

Common Name	Scientific Name	SARA	COSEWIC	NS ESA	S-RANK	Location Coordinates (NAD 83 UTM Zone 20)	Survey Year	Site
Blue Felt Lichen	<i>Degelia plumbea</i>	Special Concern	Special Concern	Vulnerable	S3	[REDACTED]	2022	Bear Lake
Brown-eyed Shingle Lichen	<i>Pannaria rubiginosa</i>	Not Listed	Not Listed	Not Listed	S4	-64.1691°W, 44.8333°N	2022	Bear Lake
Brown-eyed Shingle Lichen	<i>Pannaria rubiginosa</i>	Not Listed	Not Listed	Not Listed	S4	-64.2163°W, 44.8052°N	2022	Bear Lake
Brown-eyed Shingle Lichen	<i>Pannaria rubiginosa</i>	Not Listed	Not Listed	Not Listed	S4	-64.2194°W, 44.8114°N	2022	Bear Lake
Crumpled Bat's Wing Lichen	<i>Collema leptaleum</i>	Not Listed	Not Listed	Not Listed	S2S3	-64.2183°W, 44.8131°N	2022	Bear Lake
Crumpled Bat's Wing Lichen	<i>Collema leptaleum</i>	Not Listed	Not Listed	Not Listed	S2S3	-64.1797°W, 44.7618°N	2022	Bear Lake
Crumpled Bat's Wing Lichen	<i>Collema leptaleum</i>	Not Listed	Not Listed	Not Listed	S2S3	-64.1583°W, 44.8343°N	2022	Bear Lake
Eastern Candlewax Lichen	<i>Ahtiana aurescens</i>	Not Listed	Not Listed	Not Listed	S2S3	-64.1751°W, 44.7587°N	2022	Bear Lake
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Bear Lake
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Bear Lake
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Bear Lake
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Bear Lake
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Bear Lake
Short-bearded Jellyskin Lichen	<i>Leptogium laceroides</i>	Not Listed	Not Listed	Not Listed	S4	-64.211°W, 44.8054°N	2022	Bear Lake
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.0154°W, 45.5526°N	2022	Loganville
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.0726°W, 45.6015°N	2022	Loganville
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.0787°W, 45.6052°N	2022	Loganville
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Loganville

Common Name	Scientific Name	SARA	COSEWIC	NS ESA	S-RANK	Location Coordinates (NAD 83 UTM Zone 20)	Survey Year	Site
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Loganville
Shaggy Fringed Lichen	<i>Anaptychia palmulata</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.07906°W, 45.5967°N	2022	Loganville
Shaggy Fringed Lichen	<i>Anaptychia palmulata</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.1067°W, 45.6274°N	2022	Loganville
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Not Listed	Threatened	Threatened	S1S2	[REDACTED]	2022	Loganville
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Not Listed	Threatened	Threatened	S1S2	[REDACTED]	2022	Loganville
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2604°W, 45.5499°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2588°W, 45.5488°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2569°W, 45.5498°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.256°W, 45.5489°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2487°W, 45.5386°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2744°W, 45.5359°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2744°W, 45.5338°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2777°W, 45.5519°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2619°W, 45.5579°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.26155°W, 45.556°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2617°W, 45.5543°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2651°W, 45.5535°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2682°W, 45.5498°N	2022	Nuttby

Common Name	Scientific Name	SARA	COSEWIC	NS ESA	S-RANK	Location Coordinates (NAD 83 UTM Zone 20)	Survey Year	Site
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2691°W, 45.5487°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2705°W, 45.5499°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2705°W, 45.5499°N	2022	Nuttby
Acadian Jellyskin Lichen	<i>Leptogium acadiense</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2885°W, 45.5043°N	2022	Nuttby
Blue Felt Lichen	<i>Degelia plumbea</i>	Special Concern	Special Concern	Vulnerable	S3	[REDACTED]	2022	Nuttby
Blue Felt Lichen	<i>Degelia plumbea</i>	Special Concern	Special Concern	Vulnerable	S3	[REDACTED]	2022	Nuttby
Brown-eyed Shingle Lichen	<i>Pannaria rubiginosa</i>	Not Listed	Not Listed	Not Listed	S4	-63.2749°W, 45.5582°N	2022	Nuttby
Eastern Waterfan	<i>Peltigera hydrothyria</i>	Not Listed	Threatened	Threatened	S1	[REDACTED]	2022	Nuttby
Eastern Waterfan	<i>Peltigera hydrothyria</i>	Not Listed	Threatened	Threatened	S1	[REDACTED]	2022	Nuttby
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Nuttby
Frosted Glass-whiskers	<i>Sclerophora peronella</i>	Special Concern	Special Concern	Not Listed	S1S2	[REDACTED]	2022	Nuttby
Powdered Fringe Lichen	<i>Heterodermia speciosa</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.277°W, 45.5477°N	2022	Nuttby
Powdered Fringe Lichen	<i>Heterodermia speciosa</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2655°W, 45.5556°N	2022	Nuttby
Powdery Kidney Lichen	<i>Nephroma parile</i>	Not Listed	Not Listed	Not Listed	S4	-63.2606°W, 45.5495°N	2022	Nuttby
Powdery Kidney Lichen	<i>Nephroma parile</i>	Not Listed	Not Listed	Not Listed	S4	-63.2479°W, 45.539°N	2022	Nuttby
Scaly Fringe Lichen	<i>Heterodermia squamulosa</i>	Not Listed	Not Listed	Not Listed	S3	-63.2649°W, 45.558°N	2022	Nuttby
Shaggy Fringed Lichen	<i>Anaptychia palmulata</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2779°W, 45.5494°N	2022	Nuttby
Shaggy Fringed Lichen	<i>Anaptychia palmulata</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.289°W, 45.5022°N	2022	Nuttby
Shaggy Fringed Lichen	<i>Anaptychia palmulata</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2888°W, 45.5031°N	2022	Nuttby
Shaggy Fringed Lichen	<i>Anaptychia palmulata</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2871°W, 45.5044°N	2022	Nuttby

Common Name	Scientific Name	SARA	COSEWIC	NS ESA	S-RANK	Location Coordinates (NAD 83 UTM Zone 20)	Survey Year	Site
Shaggy Fringed Lichen	<i>Anaptychia palmulata</i>	Not Listed	Not Listed	Not Listed	S3S4	-63.2864°W, 45.5035°N	2022	Nuttby
Short-bearded Jellyskin Lichen	<i>Leptogium laceroides</i>	Not Listed	Not Listed	Not Listed	S4	-63.288°W, 45.4972°N	2022	Nuttby
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Not Listed	Threatened	Threatened	S1S2	[REDACTED]	2022	Nuttby
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Not Listed	Threatened	Threatened	S1S2	[REDACTED]	2022	Nuttby
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Not Listed	Threatened	Threatened	S1S2	[REDACTED]	2022	Nuttby
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Not Listed	Threatened	Threatened	S1S2	[REDACTED]	2022	Nuttby
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Not Listed	Threatened	Threatened	S1S2	[REDACTED]	2022	Nuttby

A total of 11 species of conservational interest were observed during the 2022 field program, with a total of 62 recorded observations (Drawings 1-3, attached). Additionally, three non SOCI lichen species (eight total observations) were recorded as of particular interest during field studies, and are listed in Table 1. The species identified were located throughout the Study Areas, with many located closer to intact areas of forest and along wetland margins and in riparian zones near watercourses. *Peltigera hydrothyria* was also encountered in watercourses at Nuttby II, as it is an aquatic species.

The most commonly observed species was Acadian Jellyskin Lichen (*Leptogium acadense*) with 21 observations across all three sites. The majority of species observed are not listed through SARA, COSEWIC, or NS ESA. However, four species are listed as either vulnerable, special concern, or threatened [Blue Felt Lichen (*Degelia plumbea*), Frosted Glass-whiskers (*Sclerophora peronella*), Wrinkled Shingle Lichen (*Pannaria lurida*) and Eastern Waterfan (*Peltigera hydrothyria*)]. The rarest species observed during the surveys was Eastern Waterfan, which is listed as threatened under COSEWIC and NS ESA. It is also a “Table 1 species” in the SMP for At-risk Lichens. The other three species listed above as noted in SARA, COSEWIC, and/or the NS ESA are listed as “Table 2 species” within the SMP.

The locations of the lichen SOCI are shown on Drawings 1-3 (attached), along with relevant management buffers (if applicable) recommended by NSNRR’s SMP for at-risk lichens.

Geodatabase Description

The results of the 2022 rare lichen surveys have been compiled into an ESRI geodatabase file titled ‘221110 NSPI_Lichen_Report.gdb’. The geodatabase file includes the species name, date of collection, location, and any unique field notes taken during the survey. An electronic data glossary is included with this report that corresponds with the geodatabase’s contents and attributes.

Conclusions and Recommendations

The rare lichen surveys completed throughout the Nuttby II, Bear Lake, and Loganville Study areas in 2022 identified numerous species of conservational interest. It is recommended that avoidance and, if applicable, buffered management zones applicable for each lichen species described in NSNRR's SMP for at-risk lichens are incorporated into design and planning of any activities associated with the construction and or operations of the wind power projects. For those rare species not listed in the SMP, avoidance with similar buffers and strategic management should be applied. If avoidance is not feasible, we recommend NSNRR be consulted to determine an appropriate course of action.

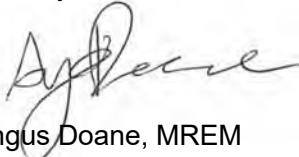
Closure

This report was prepared by Angus Doane, MREM, Environmental Scientist and reviewed by Scott Dickey, MREM, Manager, Environmental Sciences. Should additional information become available, Strum requests that this information be brought to our attention immediately so that we can re-assess the conclusions presented in this report.

This Report and any use of the Report is subject to the terms herein (see attached Statement of Qualifications and Limitations).

If you have any questions, please contact us.

Thank you,



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At-Risk Lichens–Special Management Practices

May 23, 2018

1) Purpose

Many types of lichen have adapted to live in specific – often harsh – environments. These lichens are habitat specialists – they exist and thrive in a unique set of environmental conditions, but are intolerant of change or physical disturbance. For forest dwelling lichens, air quality and moisture regulation are key concerns. Many of the rare species of lichens in Nova Scotia require stable moist conditions, combined with air quality that is relatively free of contaminants. Consequently, any land use activity that significantly alters the microclimate surrounding a forest lichen can pose a threat to that lichen’s long term survival.

The purpose of this Special Management Practice (SMP) is to maintain the health of existing At-Risk lichen occurrences and promote the recovery of these species while enabling compatible land uses. This document provides procedures to be followed on Crown lands. In some instances, and locations, it may be necessary for staff of provincial agencies to modify recommendations presented here to respond to site specific conditions to effectively protect habitat for these species or to accommodate for necessary land uses.

The Nova Scotia Department of Natural Resources (NSDNR) is responsible, under the Nova Scotia Endangered Species Act (NSESA) (1998, c.11, s.1), for the protection, designation and other relevant aspects of the conservation of species at risk in the Province, including habitat protection. Land use activities on crown and private lands have the potential to damage and destroy lichen populations and their habitat.

To ensure the protection of species at risk, the NSESA contains prohibitions that make it an offence to kill, harm, harass, capture, take, possess, collect, buy, sell or trade an individual of a species listed as endangered, threatened or extirpated. The NSESA also makes it an offence to damage or destroy the residence of one or more individuals of a species listed as endangered or threatened.

2) Objectives

The main objectives of these special management practices are to conserve occurrences of At-Risk lichens and to provide the quality and quantity of habitat at levels that enable the populations to be self-sustaining over the long term. This is to be accomplished through a combination of protected and restricted activity zones around lichen occurrences. A secondary goal of these directives and guidance is to assist land users to identify planning issues prior to development and to present feasible solutions to avoid negative effects on lichens and their habitat. Careful observation of the directives and guidance will enable users to avoid unnecessary delays and costly mitigations or prosecution under the N.S. Endangered Species Act.

3) **Application**

a) These procedures apply to the following species:

- i) Boreal Felt Lichen: This species was provincially listed as Endangered in 2003 and Special Management Practices were put in place. This procedure updates and replaces the previous SMP in response to specific recommendations and newer information about its survival.
- ii) Very rare, and highly sensitive lichens (Table 1): These species merit protection based on their At-Risk status and higher degree of rarity in the province, combined with their high sensitivity to environmental disturbance.
- iii) Rare and sensitive lichens (Table 2): These species are assessed to be either At-Risk in Nova Scotia, and presumed rare and/or sensitive to disturbance, but not to the same degree as Table 1 species. This is a mixed species group with different sensitivities. Three species in this table are cyanolichens, the morphology of which suggests less sensitivity than Table 1 species, but there is data to show population declines and some photobiont sensitivity to desiccation stress.

b) These procedures apply to the following activities

Natural resource development, exploration and harvesting including but not limited to:

- i) Forestry resource development/ harvesting;
- ii) Mineral resource exploration/ development;
- iii) Activities authorized under the Crown Lands Act that may disturb lichen habitat.

4) **Directives**

a) Advanced surveying of potential habitat

- i) Land use activities on Crown land subject to departmental review shall demonstrate adherence with this procedure. Other activities, such as those subject to Environmental Assessment, may utilize this procedure or receive approval for project-specific avoidance and mitigation procedures.
- ii) A predictive habitat model for Boreal felt lichen was developed by Cameron and Neily (2008) that identifies areas in Nova Scotia of potential BFL habitat. A copy of this polygon data layer, as well as any updates, is available from the Nova Scotia Department of Natural Resources, Wildlife Division.
- iii) If the potential area of influence of a proposed activity, comprised of the actual working footprint plus a buffer of 100 metres (the 'buffered disturbance footprint') overlaps any portion of the modelled BFL habitat, a survey for Boreal felt lichen must be completed prior

to the start of any physical work at the site. Occurrences of other lichens listed herein shall be recorded in these surveys if found.

- (1) The modelled habitat layer serves as a guide – not a true predictor – of where BFL may occur. In fact, less than 20% of the known occurrences of BFL are located within the modelled habitat.

b) Survey requirements:

- i) Accepted surveyor: surveyors must have the demonstrated qualifications and experience acceptable to the Director of Wildlife, NSDNR (or designate) in order to perform this function.
- ii) Scope of area required to be considered for possible ground surveying/ scope of area actually surveyed.
 - (1) At a minimum, the complete extent of the buffered disturbance footprint (i.e. the outer perimeter contained by the harvest block plus associated new roads and new trails (outside the harvest area), and then extending outwards by 100 metres) is to be assessed (desktop review and/or site visit) and considered for detailed ground surveys.
 - (2) Based on desktop review and/or a site visit, the licensee or project proponent, in consultation with surveyors, will determine the scope of a ground verification so that it meets the objectives set forth by DNR.
- iii) Information to be provided by project proponent to surveyor:
 - (1) The entire proposed disturbance footprint (e.g. harvest block, associated supporting roads, and hauling trails outside the harvest area) including BFL modelled habitat and area(s) of intersect.
 - (2) To facilitate long term planning, the location and extent of other activities by the same proponent, if known, within one km of target site that are known or anticipated within the next three years.
- iv) Information recorded by surveyor
 - (1) Full extent of area assessed, comprised of areas (GIS-ready polygons):
 - (a) remotely reviewed on desktop, but deemed not suitable (rationale provided) for lichens;
 - (b) deemed not suitable for lichens as determined by site visit (rationale provided); and
 - (c) deemed potentially suitable and ground surveyed.
 - (2) GPS track (.gpx format file) of ground survey route, annotated with survey date(s), observer(s).

- (3) Point locations of BFL and other lichen species (specified herein) occurrences: coordinates (UTM 20, NAD83), host tree species, number of thalli, surrounding habitat (not location) descriptors.
 - (4) If observed, other notable conservation values (e.g. raptor nests, rare species occurrences, unmapped wetlands).
- v) Information reporting by surveyors to the project proponent and NSDNR Wildlife Division will include:
- (1) Digital copies of all information gathered.
 - (2) All new rare species (i.e. lichens, plants, birds, etc.) discoveries, if observed, to be reported within 48 hours of survey completion.

The destination and type of information reported by lichen surveyors shall be specified by DNR.

c) **Conservation of known habitat - Boreal Felt Lichen**

A 500 metre Special Management Zone (SMZ) shall be established around all occurrences* of Boreal Felt Lichen (BFL). Within this 500 metre radius SMZ, there are two sub-zones: a Protected zone and a Restricted zone (Figure 1).

*Occurrences within the scope of this procedure include thalli that are currently present or, if no longer present, had been documented in surveys from 2004 to present.

- i) Protected zone- The area included within the 200 metre radius of an occurrence of BFL is managed for minimal disturbance as follows:
 - (1) Forest harvest (including silvicultural treatments): There is to be no active clearing, removal or disturbance of trees, soil or wetlands.
 - (2) Mineral Exploration: Mineral exploration drill sites may not be situated within the 200 metre Protected Zone. The removal of soil, rock or mineral samples for the purposes of mineral exploration is not subject to this procedure provided sample collection does not require or involve the removal of trees or alter the vegetated canopy, microclimate or hydrology within the 200 metre Protected Zone. Individual soil, rock or mineral samples collected for the purposes of mineral exploration within this zone should not be greater than 2 kilograms (per sample) and may only be collected using non-mechanical methods. Mineral exploration drill sites, trenching and test pitting may be permitted in exceptional situations and will require an approval under DNR's Variance process.
 - (3) Road construction: No construction of new roads or trails. New road construction in Protected zone may be permitted in exceptional situations and will require an approval under DNR's Variance process.
 - (4) Existing roads: If essential for access, any existing road can only be maintained to the standard of the original road. This refers to maintenance or upgrades that may affect

local microclimate or air quality. This does not refer to maintenance or upgrades (i.e. culvert replacement) that have no such effects.

- ii) Restricted Zone -The area included between the 200 metre and 500 metre radius of an occurrence of BFL is managed for activity as follows:
- (1) Partial harvesting will be favoured by using the 'Restoration' pathway in DNR's Forest Management Guides (FMG).
 - (2) Licensees will use the DNR Pre-treatment Assessment procedures and FMG to determine harvest methods and apply partial harvesting methods, including the "Restoration Shelterwood" treatment option, in the FMG when appropriate. This will increase the probability of a partial harvest prescription while still maintaining appropriate forest management techniques.
 - (3) Within the Restricted zone, for the area where the FMG has determined that Clearcutting (overstory removal or seed tree harvests) is the appropriate prescription:
 - (a) Areas of clearcut shall not exceed 10 ha and the distance between clearcuts shall not be less than 100 metres. These restrictions also apply to the second entry of shelterwood harvests if the harvest method is 'Overstory removal' and the regeneration is less than 3 metres tall.
 - (4) In areas that are clearcut, all wetlands, including forested wetlands, and portions thereof occurring within the 500 metre radius SMZ will be buffered by a minimum 20 metre no-disturbance buffer.
 - (5) Only < 30% of the total area of the Restricted zone, excluding open wetlands and including non-crown holdings, can be in a state of regenerating development (i.e. tree height < 3 m; the estimated time after harvest for tree height to attain > 3 metres height is 20 years).
 - (a) When calculating total area for determining the allowable percentage in regeneration: forested wetlands and anthropogenic openings (i.e. agriculture, pits, landings, residential clearings, etc.) will be included in the total area. Open wetlands and other natural openings will be excluded.
 - (b) Unavoidable exceedances of the 30% requirement may be considered for approval under the Variance process.
 - (6) Existing and new roads and trails (greater than six metres in width) outside the harvest area are counted as area within the regenerating age class.
 - (7) All existing roads shall only be maintained to the standard of the original road. New road construction may be permitted within the Restricted zone only after all other practical options have been eliminated. Permission to construct new roads in a Restricted zone will require approval under DNR's Variance process.
 - (8) Mineral exploration is permitted within the Restricted zone. If the exploration occurs in wooded areas where tree height is more than 3 metres and the footprint of the access trail and exploration site are less than 6 metres in width, the footprint will not contribute to the total area in the Restricted zone less than 3 metre in height.

d) **Table 1 Species**

Lichens specified in Table 1 shall be provided with the Protected Zone (200 metre) as described in 4)c)i). A Restricted Zone is not required.

e) **Table 2 Species**

The area included within a 100 metre radius of an occurrence of a Table 2 species is managed for minimal disturbance as follows:

- i) Forest harvest (including silvicultural treatments): There is to be no active clearing, removal or disturbance of trees, soil or wetlands.
- ii) Mineral Exploration: Mineral exploration drill sites may not be situated within the 100 metre zone. The removal of soil, rock or mineral samples for the purposes of mineral exploration is not subject to this procedure provided sample collection does not require or involve the removal of trees, alter the vegetated canopy, microclimate or hydrology within the 100 metre zone. Individual soil, rock or mineral samples collected for the purposes of mineral exploration within this zone should not be greater than 2 kilograms (per sample) and may only be collected using non-mechanical methods.
- iii) Road construction: No construction of new roads or trails. New road construction within the 100 metre zone may be permitted in exceptional situations and will require an approval under DNR's Variance process.
- iv) Existing roads: Upgrades and maintenance may be permitted, subject to IRM review, and with conditions to minimize disturbance.

f) **Management of BFL-related databases-** The following databases will be maintained and updated as part of the implementation of this practice:

- i) Updated lichen occurrence database (including locations where thalli no longer occur)
- ii) Updated survey track database

g) **Auditing and Monitoring:**

- i) The NS Department of Natural Resources and/or its appointed agents will conduct site inspections on Crown lands of lichen occurrences to monitor:
 - (1) Compliance with the SMP by licensees.
 - (2) The effectiveness of these management practices. The intensity and assignment of this monitoring will be determined during the annual DNR Work Planning process.
- ii) DNR Regional staff will have the primary responsibility for ensuring that proponents are complying with the SMP during all phases— planning and active work -- of their project. As well, regional DNR staff or auditing designates (qualified individuals who are approved by Director, Wildlife or designate) will complete post-completion audits of work sites to verify that project -related activities conducted within the SMZ have complied with the directives of the SMP.

iii) Monitoring reporting

Long-term monitoring of lichen health at all SMZs is required to track the effectiveness of the SMP’s directives. All monitoring of BFL health within an SMZ will be conducted or overseen by qualified lichenologists, selected by the DNR Director of Wildlife (or designate).

Table 1 Very rare, and highly sensitive lichens

Common name	Scientific name	NSESA status	SARA status	COSEWIC review status	S-Rank */ Other notes
Vole Ears	<i>Erioderma mollissimum</i>	Endangered (2013)	Endangered	Endangered (2009)	S1S2; Sensitive to microclimatic changes; <i>Merits highest protection</i>
Hibernia Jellyskin Lichen	<i>Leptogium hibernicum</i>	Not listed	Not listed	Low priority	S1; Only recently discovered in North America; Status highly uncertain; Only 5 known occurrences in NS;
Powdered Moon Lichen (eastern population)	<i>Sticta limbata</i>	Not listed	Not listed	High priority	S1S2; Leafy lichen that is highly sensitive to air pollution and acid precipitation; Currently 7 known occurrences in NS;
Eastern Waterfan	<i>Peltigera hydrothyria</i>	Threatened (2017)	Not listed	Threatened (2013)	S1; Endemic to eastern NA. Inhabits streams ; as of COSEWIC report only 10 occurrences in Canada with 6 of those in NS. Very sensitive to changes in water chemistry, water level changes and siltation. Changes in hydrology, channeling water through stream crossings, increased run off from harvesting could affect this highly sensitive species.

* Refer to Table 3 for descriptions

Table 2 Rare and sensitive lichens

Common name	Scientific name	NSESA status	SARA status	COSEWIC review status	S-Rank */ Other notes
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Threatened (2017)	Not listed	Threatened (2016)	S1S2; Known from 56 occurrences in Canada of which 49 in NS. Rate of decline 32% since 1986. A primary threat is harvesting of hardwood forest.
Frosted Glass-whiskers (NS pop'n)	<i>Sclerophora peronella</i>	Not listed	Special Concern	Special Concern (2014)	S1S2; Tiny stubble lichen that is difficult to locate; Restricted to mature or old-growth hardwood forest; Is very habitat specific, associated with very old forest. Habitat conditions for its occurrence are very rare on the landscape. Like other stubble lichens , it likely takes a long time to develop and

					once disturbed will take a very long time to re-establish.
Black-foam Lichen	<i>Anzia colpodes</i>	Threatened (2017)	Not listed	Threatened (2015)	S3; Known from ON, PQ, NB and NS; NS population appears to be only remaining occurrences; Lichen is widespread, but uncommon; Deforestation is main threat. Declining in northeast US, research indicates it may be associated with old growth forest
Blue Felt Lichen	<i>Degelia plumbea</i>	Vulnerable (2013)	Special Concern	Special Concern (2010)	S3; In Canada only occurs in Atlantic region; NS population is largest in NA.; Requires forest continuity and high humidity; Sensitive to air pollution and acid rain.
Poor-man's Shingles Lichen	<i>Parmeliella parvula</i>	Not listed	Not listed	Mid priority	S1S2; Closely associated with BFL; Evidence to show declining amount of available habitat; Small and inconspicuous lichen; knowledge lacking; Part of amphi-Atlantic, boreal rain forest group which include BFL. In NS has an Atlantic coastal distribution.

* Refer to Table 3 for descriptions

Table 3-State or sub-regional IUCN ranking (S-ranking) definitions.

Status	Definition
S1	Critically Imperiled —Critically imperiled in the nation or state/province because of extreme rarity (often 5 or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the state/province.
S2	Imperiled —Imperiled in the nation or state/province because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the nation or state/province.
S3	Vulnerable —Vulnerable in the nation or state/province due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation.
S4	Apparently Secure —Uncommon but not rare; some cause for long-term concern due to declines or other factors.
S5	Secure —Common, widespread, and abundant in the nation or state/province.

Approval:

Original signed by

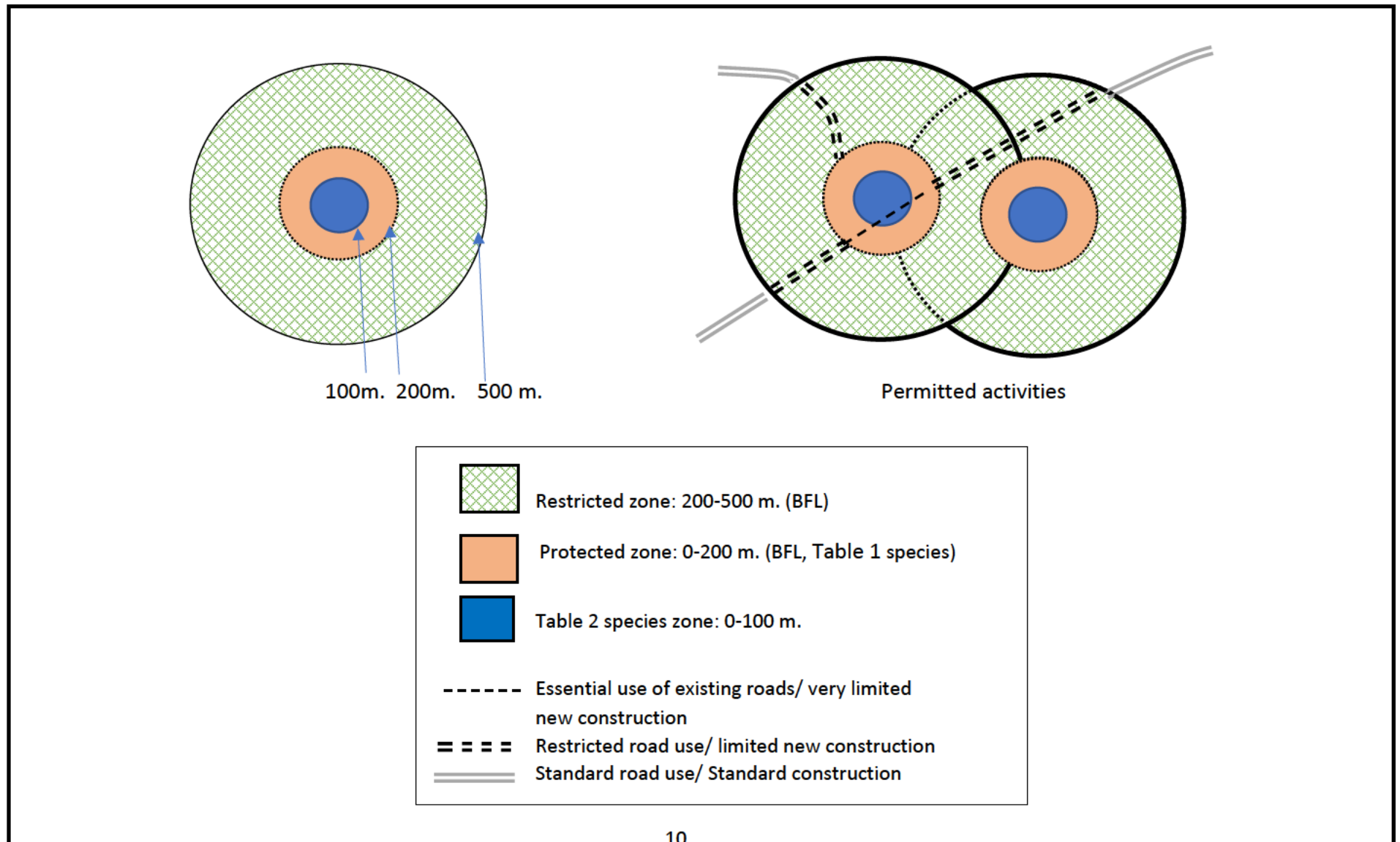
May 23, 2018

Jon Porter

Date

Executive Director, Renewable Resources

Figure 1- Special Management Zones: Activities permitted in three sub-zones



Drawings provided directly to regulators for review to maintain confidentiality of locations of species at risk.

APPENDIX L
STANTEC MOOSE MONITORING PROGRAM



Mainland Moose Snow Tracking
and Pellet Group Inventory
Surveys for Proposed Wind
Project (2022)

Final Report

March 13, 2023

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MAINLAND MOOSE SNOW TRACKING AND PELLET GROUP INVENTORY SURVEYS FOR PROPOSED WIND PROJECT (2022)

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**MAINLAND MOOSE SNOW TRACKING AND PELLET GROUP INVENTORY SURVEYS FOR
PROPOSED WIND PROJECT (2022)**

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MAINLAND MOOSE SNOW TRACKING AND PELLET GROUP INVENTORY SURVEYS FOR PROPOSED WIND PROJECT (2022)

1.0 INTRODUCTION

Stantec Consulting Ltd. (Stantec) was retained by Nova Scotia Power Incorporated (NSPI) to collect and report on field data in support of a future provincial Environmental Assessment (EA) registration for several proposed wind projects located in Nova Scotia.

This report details the methods, results, and conclusions of winter track and pellet group inventory (PGI) surveys conducted for mainland moose (*Alces alces americana*) for the Nuttby Ridge Wind Project (the Project). The objective of the winter track and pellet group inventory surveys was to assess the potential for mainland moose near the Project in support of future provincial EA registrations.

The Project Boundary shown on Figure 1 (in red) refers to the area within which the turbines will be located. A wider Assessment Area (Figure 1; in black) indicates the area within which additional surveys were conducted. In some cases, survey locations are outside the Project Boundary and Assessment Areas where earlier study area boundaries were used.

The Project is located approximately 22 km northeast of Truro, Nova Scotia, and is situated in the Uplands Ecoregion of Nova Scotia. The Project Boundary lies completely within the Cobequid Hills Ecodistrict, with southern parts of the Assessment Area within the Cobequid Slopes Ecodistrict.

The Uplands Ecoregion of Nova Scotia is characterized by a geographically complex band of rounded summits and plateaus separated by lower elevation uplands and lowlands that extend across northern mainland Nova Scotia (Nova Scotia Department of Natural Resources (NSDNR) 2017). This Ecoregion experiences more severe winters, greater precipitation, and shorter growing seasons than surrounding Ecoregions, which has given rise to the dominant Acadian hardwood forest of sugar maple (*Acer saccharum*), American beech (*Fagus grandifolia*), and yellow birch (*Betula alleghaniensis*).

The Project Boundary lies within the Cobequid Hills Ecodistrict which is a narrow upland extending approximately 150 km in an east-west direction between the towns of Pictou and Parrsboro. This Ecodistrict is characterized by large intact late-successional Acadian shade tolerant hardwood forests. Representative species include sugar maple, American beech, and yellow birch, with white ash (*Fraxinus americana*) and ironwood (*Ostrya virginiana*) on richer soils. At upper elevations, the hills give way to a level or hummocky plateau-like topography with forests of red spruce (*Picea rubens*) and black spruce (*Picea mariana*) occurring on moderately-well to imperfectly drained soils.

Southern portions of the Assessment Area lie within the Cobequid Slopes Ecodistrict. This Ecodistrict is characterized by a series of steep to moderate grades on the south side of the Cobequid Mountains. The climate is moderate and relatively humid. Red spruce forests occur on the middle to lower slopes of rounded hills. Sugar maple, yellow birch, and American beech are dominant on slopes or crests where soils are rich. Elsewhere, a shade tolerant mixedwood forest exists, usually dominated by red spruce, eastern hemlock (*Tsuga canadensis*), and yellow birch with occasional sugar maple, American beech, and eastern white pine (*Pinus strobus*).



2.0 WINTER TRACK SURVEYS

2.1 METHODS

2.1.1 Transect Development

The methods for moose winter track surveys were developed based on the Recovery Plan for the Moose in Mainland Nova Scotia (NSDNRR 2021a) and the Protocol for Mainland Moose Snow Tracking Survey 2022 Update (NSDNRR 2022a). The Recovery Plan for the Moose in Mainland Nova Scotia defines the parameters for various types of mainland moose core habitat in Nova Scotia, including winter cover and winter forage. Winter cover is defined as mature softwood and softwood-dominated mixedwood stands with:

- a crown closure greater than or equal to 60 percent (%)
- height of greater than or equal to 12 meters (m)
 - except in areas where the depth to water table is less than or equal to 0.5 m, where height can be greater than or equal to 8 m
- a minimum size of 5 hectares (ha)

Winter forage is defined as habitat within 200 m of winter cover that:

- meets the criteria of winter cover, but with no minimum size
- is regenerating (i.e., 3 to 15 years old) hardwood, mixedwood, and conifer stands

Provincial forest cover (NSDNRR 2021b), development spatial data (NSDNR 2016), and depth to water table spatial data (NSDNRR 2021c) were used in a selection process completed within ArcMap to identify potential winter cover habitat for mainland moose within 2 kilometres (km) of the study area available at the time of survey planning (which differed slightly from the current Project Boundary). Following this, winter forage habitat was selected, and then limited to a buffer of 200 m around previously selected winter cover habitat polygons. More recent aerial imagery was reviewed to identify any perceived changes to winter cover (e.g., recent clearcuts within habitat listed as mature in forest cover data).

Transects of a minimum of 1 km in length were placed where they would occur primarily within identified potential winter cover and/or winter foraging habitat, within the Project Boundary and within the adjacent 2 km buffer (typically, within the surrounding Assessment Area). Although the Protocol for Mainland Moose Snow Track Survey 2022 Update document indicates transect placement would be optimal if extending outward in a radial fashion from a central point, preference was given to transects that contained more than 50% identified winter cover and/or winter forage habitat and were also reasonably accessible from roads that are likely to be accessible in a standard truck during the winter. Land ownership was also considered; although survey agreements are in place within the Project Boundary, transects outside of the Project Boundary were limited to Crown land.



MAINLAND MOOSE SNOW TRACKING AND PELLETT GROUP INVENTORY SURVEYS FOR PROPOSED WIND PROJECT (2022)

Stantec worked with NSPI to develop a scope (including number and location of transects) for the mainland moose winter track surveys. In total eight transects (referred to as N1 through N8) were identified within the Project Boundary and surrounding area (Figure 1).

Some slight adjustments were made to planned transects following a reconnaissance survey completed on January 21, 2022, primarily related to accessibility issues as many of the site access roads were not drivable. Additional adjustments were made to transects as necessary following each field survey event, as teams discovered specific access and safety issues with existing routes (e.g., impassible watercourses, steep slopes, excessive slowdown).

2.1.2 Field Methods

Stantec conducted three series of winter track surveys between January 23 and March 10, 2022. When possible, the winter track surveys were completed within 24-48 hours following a snowfall and were completed on clear days with no precipitation (snow or rain). Stantec staff surveyed each transect three times within the winter season, which was done to increase the probability of encountering moose tracks crossing the transect.

Survey teams included two biologists and/or environmental professionals. During the winter track surveys, survey teams walked or snowshoed the length of the transect and assessed the environment along the transects for evidence of mainland moose, including moose tracks, moose pellets, and browse. The survey teams used ArcGIS Field Maps software and Garmin Glo Bluetooth GPS receivers to follow the planned transects and record the locations of observations. Observations of interest were photographed and georeferenced using Field Maps. Evidence of white-tailed deer (*Odocoileus virginianus*) was also documented as outlined in the Protocol for Mainland Moose Snow Tracking Survey 2022 Update (NSDNRR 2022a), as well as evidence of other wildlife.

2.2 RESULTS

No evidence of moose including tracks, pellets, or browse were observed on the transects during the winter track surveys. However, incidental moose tracks were encountered by surveyors within the Assessment Area on an access road (Figure 1). This observation, which appeared to be of an adult cow and one or two calves, was made on April 14, 2022, after winter track surveys had been completed. The coordinates for the start and end of the tracks are provided in Table 2.1. Photographs of the tracks are presented in the Photolog (Appendix A).

Table 2.1 Winter Track Survey Incidental Findings

Finding	Coordinates – Start	Coordinates - End	Location
Moose tracks	[REDACTED]	[REDACTED]	In Project Boundary



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Evidence of white-tailed deer (tracks and browse) were found on transects. Other wildlife noted during winter track surveys included fisher (*Pekania pennanti*), and coyote (*Canis latrans*) (Table 2.2).

Table 2.2 Winter Track Survey Other Wildlife Results

Wildlife Species	Observations	Transect(s)
White-tailed deer (<i>Odocoileus virginianus</i>)	Tracks, browse	N1, N3, N4, N6, N8,
Fisher (<i>Pekania pennanti</i>)	Tracks	N7
Coyote (<i>Canis latrans</i>)	Deer carcass dug up by coyotes	N4

While no evidence of moose was recorded during the winter track surveys, an incidental field observation indicates that mainland moose are present within the Project Boundary.

3.0 PELLETT GROUP INVENTORY (PGI) SURVEYS

3.1 METHODS

3.1.1 Transect Development

The methods for moose PGI surveys were developed based on the Recovery Plan for the Moose in Mainland Nova Scotia (NSDNRR 2021a) and the Pellet Group Inventory Data Collection Protocol (NSDNRR 2022b). This guidance noted that PGI transects should be developed similarly to winter track surveys; therefore, the same approach was used as was previously used to develop winter track surveys. As outlined in the survey NSDNRR PGI protocol document, these surveys are to be completed after snow melt but before herbaceous ground vegetation growth begins.

Transects of a minimum of 1 km in length were placed where they would occur primarily within potential winter cover and/or winter foraging habitat, within the study area available at the time of survey planning (which differed slightly from the current Project Boundary) and within the adjacent 2 km buffer. Although the PGI Data Collection Protocol document indicates transect placement would be optimal if extending outward in a radial fashion from a central point, preference was given to transects that contained more than 50% identified winter cover and/or winter forage habitat and were also reasonably accessible from site roads. As PGI transects are not meant to resurvey winter track survey transects, an effort was made to establish PGI transects in areas of the sites that were not previously surveyed during the winter track surveys. The PGI transects therefore typically pass through less identified winter cover and/or winter forage habitat, as prime areas were previously targeted for winter track surveys. Land ownership was also considered: although survey agreements are in place within the Project Boundary, transects outside of the Project Boundary were limited to Crown land.

Fourteen PGI transects (referred to as N_PGI_X) were identified within the Project Boundary and surrounding area (Figure 2). Because of changes in study areas over the course of survey planning, some transects are outside the Project Boundary but within the Assessment Area. One transect (N_PGI_15) is outside the Assessment Area.



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3.1.2 Field Methods

Stantec conducted PGI surveys between May 2-17, 2022, following the spring snow melt. Survey teams included two biologists and/or environmental professionals. During the PGI surveys, survey teams walked the length of the transects and assessed the environment along the transects for evidence of mainland moose, including moose tracks, moose pellets, and browse. The survey teams used ArcGIS Field Maps software and Garmin Glo Bluetooth GPS receivers to follow the planned transects and record the locations of observations. Observations of interest were photographed and georeferenced within Field Maps. Evidence of white-tailed deer (*Odocoileus virginianus*) encountered along the transect was also documented as outlined in the Protocol for Mainland Moose Snow Tracking Survey 2022 Update (NSDNRR 2022), as well as evidence of other wildlife.

3.2 RESULTS

Moose tracks and pellets were observed on three of the transects (N_PGI_9, N_PGI_10, and N_PGI_13) during the PGI surveys. An additional incidental record of moose pellets was recorded by a surveyor near an access road during other work conducted in September 2022 (Figure 2). The coordinates for the findings are provided in Table 3.1. Photographs of the findings are presented in the Photolog (Appendix A).

Table 3.1 Pellet Group Inventory (PGI) Survey Moose Results

Finding	Transect #	Location	Description	Coordinates
Pellets	██████	In Project Boundary	Thirty piles of pellets were observed in an area adjacent to the transect line.	██████ ██████
Pellets and Tracks	██████	In Project Boundary	Five piles of pellets were observed along the transect line.	██████ ██████
Pellets	██████	In Assessment Area	One pile of pellets was observed along the transect line.	██████ ██████
Pellets	Incidental	In Assessment Area	Several piles of pellets were observed within the Assessment Area, south of previously surveyed sites.	██████ ██████

Evidence of other wildlife species was also noted during the PGI surveys (Table 3.2).



MAINLAND MOOSE SNOW TRACKING AND PELLETT GROUP INVENTORY SURVEYS FOR PROPOSED WIND PROJECT (2022)

Table 3.2 Pellet Group Inventory (PGI) Survey Other Wildlife Results

Wildlife Species	Observations	Transect
White-tailed deer (<i>Odocoileus virginianus</i>)	Pellets, tracks, browse, remains	N_PGI_2, N_PGI_3, N_PGI_5, N_PGI_6, N_PGI_7, N_PGI_8, N_PGI_9, N_PGI_10, N_PGI_11, N_PGI_12, N_PGI_13, N_PGI_14, N_PGI_15
North American porcupine (<i>Erethizon dorsata</i>)	Pellet group	N_PGI_3
American black bear (<i>Ursus americanus</i>)	Feces	Incidentally, on road near N_PGI_15

Field observations of multiple pellet groups confirm mainland moose are present within the Project Boundary and within the Assessment Area (Figure 2).

4.0 DISCUSSION

Initial results of track surveys, pellet group inventory survey, and incidental observations have confirmed the presence of mainland moose within the Project Boundary and surrounding Assessment Area. Based on results to date, moose seem to be most concentrated in the western portion of the Project Boundary relative to the eastern portion. However, further moose surveys should be completed to better understand moose density within the wider Assessment Area. Currently, no surveys have been completed in the southern portion of the Assessment Area, but incidental observations indicate that moose use habitat in that area. Additional surveys could also be completed in areas outside the Assessment Area, in areas that could be used as reference sites for longer-term monitoring.

In late September 2022, Hurricane Fiona passed through Nova Scotia, with peak winds in the province recorded in Arisaig, N.S., approximately 80 km east of Nuttby (CBC 2022). During other survey work completed in the Assessment Area in fall 2022, it was noted that damage in the area was extensive. Observations indicated that mature conifers (particularly spruce, fir and tamarack) suffered particularly high rates of wind throw. These mature conifer-dominated stands are the preferred winter cover for moose in mainland Nova Scotia. This preferential loss of important and relatively uncommon moose habitat could result in changes in the winter distribution of moose in the Project Boundary and Assessment Area. It is unlikely that these changes in habitat will be captured within provincial forestry datasets within a timeframe that is useful for project planning. Although further surveys are recommended, access to the site (and particularly access to preferred winter habitat) has been severely affected by Hurricane Fiona damage. Rather than expanding the winter track and PGI surveys that were conducted in 2022, which would be limited by current access issues, aerial surveys should be considered. Helicopter-based surveys can cover large areas relatively quickly, and during these surveys both moose distribution and recent changes in potential moose habitat could be assessed.

The methods for any further surveys to assess available winter habitat, as well as moose presence or distribution, in addition to longer-term post-construction monitoring work, should be developed in consultation with NSDNRR.



MAINLAND MOOSE SNOW TRACKING AND PELLET GROUP INVENTORY SURVEYS FOR PROPOSED WIND PROJECT (2022)

5.0 SUMMARY

Winter track and spring PGI field surveys were completed between January and May 2022. Moose tracks were not observed during winter track surveys but were observed incidentally within the Project Boundary on April 14, after winter track surveys were completed but prior to the start of PGI surveys.

Evidence of moose was observed at several locations in the western portion of the Project Boundary during PGI surveys conducted in late April and early May 2022, and incidentally at one location in the southern portion of the Assessment Area in September 2022. The Nuttby area, in particular mature conifer stands potentially used as winter cover by moose, suffered extensive damage during Hurricane Fiona. Further survey work should consider an assessment of available winter cover habitat that will not be reflected in provincial forestry mapping, as well as expanded surveys in the Assessment Area.

Evidence of other wildlife species observed included white-tailed deer tracks, browse, and pellets; American black bear feces; fisher tracks; a deer carcass likely scavenged by coyotes; and North American porcupine pellets.

6.0 CLOSURE

The information presented in this report represents the best technical judgment of Stantec based on information provided by NSPI and the data obtained from the work. Conclusions are based on site conditions observed by Stantec at the time the work was performed at the specific survey locations and cannot be extrapolated to other areas around these locations.



MAINLAND MOOSE SNOW TRACKING AND PELLETT GROUP INVENTORY SURVEYS FOR PROPOSED WIND PROJECT (2022)

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APPENDIX A

Photographic Log



Client: Nova Scotia Power Incorporated		Project: Mainland Moose Snow Tracking and Pellet Group Inventory Surveys at Proposed Wind Farm (2022)	
Site Name: Proposed Nuttby Ridge Wind Farm		Site Location: Nuttby, Nova Scotia	
Photograph ID: 1			
Photo Location: Incidental observation along access road			
Survey Date: 4/14/2022			
Comments: View of cow/calf moose tracks observed on access road within Nuttby Ridge Project Boundary			
Photograph ID: 2			
Photo Location: Incidental observation along access road			
Survey Date: 4/14/2022			
Comments: View of cow/calf moose tracks observed on access road within Nuttby Ridge Project Boundary			

Client: Nova Scotia Power Incorporated		Project: Mainland Moose Snow Tracking and Pellet Group Inventory Surveys at Proposed Wind Farm (2022)	
Site Name: Proposed Nuttby Ridge Wind Farm		Site Location: Nuttby, Nova Scotia	
Photograph ID: 3			
Photo Location: [REDACTED]			
Survey Date: 5/3/2022			
Comments: View of moose pellets observed on transect [REDACTED] during the Pellet Group Inventory (PGI) surveys.			
Photograph ID: 4			
Photo Location: [REDACTED]			
Survey Date: 5/4/2022			
Comments: View of moose pellets observed on transect [REDACTED] during the PGI surveys.			

Client:	Nova Scotia Power Incorporated	Project:	Mainland Moose Snow Tracking and Pellet Group Inventory Surveys at Proposed Wind Farm (2022)
Site Name:	Proposed Nuttby Ridge Wind Farm	Site Location:	Nuttby, Nova Scotia

Photograph ID: 5	
Photo Location: [REDACTED]	
Survey Date: 5/4/2022	
Comments: View of moose pellets observed on transect [REDACTED] during the PGI surveys.	

Photograph ID: 6	
Photo Location: [REDACTED]	
Survey Date: 5/4/2022	
Comments: View of moose pellets observed on transect [REDACTED] during the PGI surveys.	

Client: Nova Scotia Power Incorporated		Project: Mainland Moose Snow Tracking and Pellet Group Inventory Surveys at Proposed Wind Farm (2022)	
Site Name: Proposed Nuttby Ridge Wind Farm		Site Location: Nuttby, Nova Scotia	
Photograph ID: 7			
Photo Location: [REDACTED]			
Survey Date: 5/4/2022			
Comments: View of three moose pellet piles observed on transect [REDACTED] during the PGI surveys.			
Photograph ID: 8			
Photo Location: [REDACTED]			
Survey Date: 5/4/2022			
Comments: View of measuring distance between moose pellet piles observed on transect [REDACTED]			

Client:	Nova Scotia Power Incorporated	Project:	Mainland Moose Snow Tracking and Pellet Group Inventory Surveys at Proposed Wind Farm (2022)
Site Name:	Proposed Nuttby Ridge Wind Farm	Site Location:	Nuttby, Nova Scotia

<p>Photograph ID: 9</p>	
<p>Photo Location: Incidental observation in southern portion of Assessment Area</p>	
<p>Survey Date: 9/14/2022</p>	
<p>Comments: View of incidental moose pellets observed in southern portion of Assessment Area</p>	

APPENDIX M
STRUM MOOSE PHOTO LOG



Photo 1: Fresh scat photographed by iPad mini at 11:33 on September 28, 2023, during MEKS site visit.



Photo 2: Fresh tracks photographed by iPhone at 14:42 on September 27, 2023, during MEKS site visit.



Photo 3: Scat photographed by iPad mini at 18:08 on August 22, 2023, during wetland surveys.



Photo 4: Scat photographed by iPad mini at 15:56 on August 22, 2023, during wetland surveys.



Photo 5: Scat photographed by iPad mini at 12:19 on August 11, 2023, during wetland surveys.



Photo 6: Tracks photographed by iPad mini at 9:22 on August 1, 2023, during wetland surveys.



Photo 7: Scat photographed by iPad mini at 9:14 on July 28, 2023, during wetland surveys.



Photo 8: Scat photographed by iPad mini at 15:08 on July 27, 2023, during old growth forest surveys.