

4.1.2.4 PROVINCIALY SIGNIFICANT PLANT SPECIES

(Scientific names must be recorded)

Name of Species	Scientific Name	Source of Information
Ramshead Lady-slipper	Cypripedium arietinum	D. Cuddy & S. Thompson 1999
moss	Cinclidium stygium	Reddoch (1984); status in New
moss	Tomenthypnum falcifolium	Reddoch (1984); status in New

Attach Separate list if necessary; Attach documentation.

Scoring:

Number of provincially significant animal species in the wetland:

One Species	= 50 points	14 species	= 154
2 Species	= 80	15 species	= 156
3 Species	= 95	16 species	= 158
4 Species	= 105	17 species	= 160
5 Species	= 115	18 species	= 162
6 Species	= 125	19 species	= 164
7 Species	= 130	20 species	= 166
8 Species	= 135	21 species	= 168
9 Species	= 140	22 species	= 170
10 Species	= 143	23 species	= 172
11 Species	= 146	24 species	= 174
12 Species	= 149	25 species	= 176
13 Species	= 152		

Add one point for every species past 25 (for example, 26 species=177 points,
27 species = 178 points, etc.)

(no maximum score)

Provincially Significant Plant Species Score (no maximum) 95

4.1.2.5 REGIONALLY SIGNIFICANT SPECIES (SITE REGION)

Scientific names must be recorded for plant species.
Score only via approved lists; see appendices

Name of Species	Scientific Name	Source of Information
Sea-side Arrow-grass	Triglochin maritimum L.	D.Cuddy & S.Thompson 1999 fl
Rush Aster	Aster borealis	D.Cuddy & S.Thompson 1999 fl
Soft Willow-herb	Epilobium strictum	D.Cuddy & S.Thompson 1999 fl
Northern Reed Grass	Calamagrostis stricta ssp Brahtóntá(1990)	

Attach Separate list if necessary; Attach documentation.

Scoring:

Number of species significant in Site Region

One Species	= 20 points	6 species	= 55
2 Species	= 30	7 species	= 58
3 Species	= 40	8 species	= 61
4 Species	= 45	9 species	= 64
5 Species	= 50	10 species	= 67

Add one point for every species past 10 (for example, 11 species=68 points,
12 species = 69 points, etc.)

(no maximum score)

Regionally Significant Species Score (no maximum) 45

4.1.2.6 LOCALLY SIGNIFICANT SPECIES (SITE DISTRICT)

Scientific names must be recorded for plant species.
Score only via approved lists; see appendices

Name of Species	Scientific Name	Source of Information
Dragon's Mouth	Arethusa bulbosa L.	Trail & Landscape 1984 18(3)
Green Adder's-mouth	Malaxis monophylla	D.Cuddy & S. Thompson 1999
Pink Pyrola	Pyrola asarifolia	D. Cuddy & S. Thompson 1999
Fen Twayblade	Liparis loeseli	D.Cuddy & S.Thompson 1999
Shrubby Cinquefoil	Potentilla fruticosa	D.Cuddy & S.Thompson 1999
Cotton-grass	Eriophorum viridi-carinatum	Bmunton (1990)

Attach Separate list if necessary; Attach documentation.

Scoring:

Number of species significant in Site Region

One Species	= 10 points	6 species	= 41
2 Species	= 17	7 species	= 43
3 Species	= 24	8 species	= 45
4 Species	= 31	9 species	= 47
5 Species	= 38	10 species	= 49

Add one point for every species past 10 (for example, 11 species=50 points, 12 species = 51 points, etc.)
(no maximum score)

Locally Significant Species Score (no maximum) 41

4.1.2.7 SPECIES OF SPECIAL STATUS

Black Duck

Suitable breeding habitat present and within assessment range

Assessment Category	Check One	Score
40-80 Indicated Pairs/100 km sq		25
20-40 Indicated Pairs/100 km sq		20
10-20 Indicated Pairs/100 km sq		15
5-10 Indicated Pairs/100 km sq		10
1- 5 Indicated Pairs/100 km sq	X	5
Habitat not suitable		0
Out of assessment range		0

Black Duck Score (maximum 25 points) 5

4.2 SIGNIFICANT FEATURES AND/OR FISH & WILDLIFE HABITAT

4.2.1 NESTING OF COLONIAL WATERBIRDS

Status Codes		
Status	Status Code	Score
Currently Nesting	1	50 Pts
Known to have nest with past 5 years	2	25
Active feeding area (do not include feeding by great blue herons	3	15
None Known	4	0

Name of Species	Status	Source of Information	Score
			0

Attach documentation (nest locations, etc. if known

Score highest applicable category only; maximum score 50 points.

Score for Nesting Colonial Waterbirds (maximum 50 points) 0

4.2.2. WINTER COVER FOR WILDLIFE

(Check only highest level of significance) Score
(One only)

- 1) Provincially Significant 100
- 2) Significant in Site Region 50
- 3) Significant in Site District 25
- 4) X Locally Significant 10
- 5) Little or poor winter cover present 0

Source of Information: MNR, see White Lake data record

Winter Cover for Wildlife Score (maximum 100 points) 10

4.2.3 WATERFOWL STAGING AND/OR MOULTING

(Check only highest level of significance for both staging and moulting score is cumulative across columns, maximum score 150)

	<u>Staging</u>	<u>Score</u>	<u>Moulting</u>	<u>Score</u>
	(One only)		(One only)	
1) Nationally Significant	_____	150	_____	150
2) Provincially Significant	_____	100	_____	100
3) Regionally Significant	_____	50	_____	50
4) Known to Occur	_____	10	_____	10
5) Not Possible	_____	0	_____	0
6) Unknown	X _____	0	X _____	0

Source of Information: data records

Waterfowl Moulting and Staging Score (maximum 150 points) 0

4.2.4. WATERFOWL BREEDING

(Check only highest level of significance)

	<u>Score</u>
	(One only)
1) _____ Provincially Significant	100
2) _____ Regionally Significant	50
3) X _____ Habitat suitable	10
4) _____ Habitat not suitable	0

Source of Information: data record; open water habitat

Waterfowl Breeding Score (maximum 100 points) 10

4.2.5. MIGRATORY PASSERINE, SHOREBIRD OR RAPTOR STOPOVER AREA

(Check highest Applicable category)

	<u>Score</u>
	(One only)
1) _____ Provincially Significant	100
2) _____ Significant in Site Region	50
3) _____ Significant in Site District	10
4) X _____ Not Significant	0

Source of Information: data records

Passerine, Shorebird or Raptor Stopover Score (maximum 100 points) 0

4.2.6. UNGULATE HABITAT

EVALUATION:

<u>Score (1) + (2) + one of (3) to (6)</u>		<u>Score</u>
1) <u> </u> X <u> </u>	Ungulate summer cover	15
2) <u> </u> <u> </u>	Mineral licks	50
3) <u> </u> X <u> </u>	Moose aquatic feeding area Class 1	0
4) <u> </u> <u> </u>	Moose aquatic feeding area Class 2	10
5) <u> </u> <u> </u>	Moose aquatic feeding area Class 3	20
6) <u> </u> <u> </u>	Moose aquatic feeding area Class 4	35

(Score is cumulative for a maximum possible score of 100)

Ungulate Habitatat Score (maximum 100 points) 15

4.2.6 FISH HABITAT4.2.6.1 Spawning and Nursery Habitat

Table 5. Area Factors for Low Marsh, High Marsh and Swamp Communities

No. of ha of Fish Habitat	Area Factor
< 0.5 ha	0.1
0.5 - 4.9	0.2
5.0 - 9.9	0.4
10.0 - 14.9	0.6
15.0 - 19.9	0.8
20.0+ ha	1.0

Step 1:

_____ Fish habitat is not present within the wetland (Score = 0)

_____ X _____ Fish habitat is present within the wetland (Go to Step 2)

Step 2: Choose only one option

- 1) X _____ Significance of the spawning and nursery habitat within the wetland is known (Go to Step 3)
- 2) _____ Significance of the spawning and nursery habitat within the wetland is not known (Go through Steps 4, 5, 6, and 7)

Step 3: Select the highest appropriate category below, attach documentation:

1) _____ Significant in Site Region 100 points

2) _____ Significant in Site District 50

3) X _____ Locally Significant Habitat (5.0+ ha) 25

4) _____ Locally Significant Habitat (<5.0 ha) 15

Score for Spawning and Nursery Habitat (maximum score 100 points) 25

Step 4: Proceed to Steps 4 to 7 ONLY if Step 3 was NOT answered
(Low Marsh: marsh area from the existing water line out to the outer boundary of the wetland)

X Low marsh not present (Continue to Step 5)
Low marsh present (Score as Follows)

Scoring for Presence of Key Vegetation Groups

Scoring is based on the one most clearly dominant plant species of the dominant form in each Low Marsh vegetation community. Check the appropriate Vegetation Group (See Appendix 16) for each Low Marsh Community. Sum the areas of the communities assigned to each Vegetation Group and multiply by the appropriate size factor from Table 5.

Veg. Group No.	Vegetation Group Name	Present as a Dominant Form (Check)	Total Area (ha)	Area Factor (See Table 5)	Score	Final Score (Area factor x Score)
1	Tallgrass		0.0	0.0	6pts	0.0
2	Shortgrass-Sedge		0.0	0.0	11	0.0
3	Cattail-Bulrush-Burreed		0.0	0.0	5	0.0
4	Arrowhead-Pickerelweed		0.0	0.0	5	0.0
5	Duckweed		0.0	0.0	2	0.0
6	Smartweed-Waterwillow		0.0	0.0	6	0.0
7	Waterlily-Lotus		0.0	0.0	11	0.0
8	Waterweed-Watercress		0.0	0.0	9	0.0
9	Ribongrass		0.0	0.0	10	0.0
10	Coontail-Naiad-Watermilfoil		0.0	0.0	13	0.0
11	Narrowleaf Pondweed		0.0	0.0	5	0.0
12	Broadleaf Pondweed		0.0	0.0	8	0.0
Total Score (maximum 75 points)						0

Step 5: (High Marsh: area from the water line to the inland boundary of marsh wetland type. This is essentially what is commonly referred to as a wet meadow, in that there is insufficient standing water to provide fisheries habitat except during flood or high water conditions.)

X High marsh not present (Continue to Step 6)
High marsh present (Score as follows)

Scoring for Presence of Key Vegetation Groups

Scoring is based on the one most clearly dominant plant species of the dominant form in each High Marsh vegetation community. Check the appropriate Vegetation Group (See Appendix 16) for each High Marsh Community. Sum the areas of the communities assigned to each Vegetation Group and multiply by the appropriate size factor from Table 5.

Veg. Group No.	Vegetation Group Name	Present as a Dominant Form (Check)	Total Area (ha)	Area Factor (See Table 5)	Score	Final Score (Area factor x Score)
1	Tallgrass		0.0	0.0	6pts	0.0
2	Shortgrass-Sedge		0.0	0.0	11	0.0
3	Cattail-Bulrush-Burreed		0.0	0.0	5	0.0
4	Arrowhead-Pickerelweed		0.0	0.0	5	0.0
Total Score (maximum 25 points)						0

Step 6: (Swamp: Swamp Communities containing fish habitat, either seasonally or permanently. Determine the total area of seasonally flooded swamps and permanently flooded swamps containing fish habitat.)

X Swamp containing fish habitat not present (Continue to Step 7)
 Swamp containing fish habitat present (Score as follows)

Swamp Containing Fish Habitat	Present (Check)	Total area ha	Area Factor (See Table 5)	Score	Total Score (Factor x score)
Seasonally Flooded		0.0	0.0	10	0.0
Permanently Flooded		0.0	0.0	10	0.0
Score (maximum 25 points)					0

Step 7: Calculation of Final Score

Score for Spawning and Nursery Habitat (Low Marsh) (maximum 75) = 0

Score for Spawning and Nursery Habitat (High Marsh) (maximum 25) = 0

Score for Swamp containing Fish Habitat (maximum 20) = 0

Sum (maximum score 100 points) 25

4.2.6.2 Migration and Staging HabitatStep 1:

- 1) X Staging or Migration Habitat is not present in the wetland (Score=0)
- 2) Staging or Migration Habitat is present in the wetland, significance of the habitat is known (go To Step 2)
- 3) Staging or Migration Habitat is present in the wetland, significance of the habitat is not known (Go to Step 3)

NOTE: Only ONE of Step 2 OR Step 3 is to be scored.

Step 2: Select the highest appropriate category below, attach documentation:

- | | | |
|------------------|---|--------|
| 1) <u> </u> | Significant in Site Region | Score |
| 2) <u> </u> | Significant in Site District | 25 pts |
| 3) <u> </u> | Locally significant | 15 |
| 4) <u> </u> | Fish Staging and/or migration habitat present, but not as above | 10 |
| | | 5 |

Score for Fish Migration and Staging Habitat (maximum score 25 points)

Step 3: Select the highest appropriate category below based on presence of the designated site type(i.e. does not have to be the dominant site type) Note name of river for 2) and 3).

- | | | |
|------------------|---|--------|
| 1) <u> </u> | Wetland is riverine at rivermouth or lacustrine at rivermouth | Score |
| 2) <u> </u> | Wetland is riverine, within 0.75 km of rivermouth | 25 pts |
| 3) <u> </u> | Wetland is lacustrine, within 0.75 km of rivermouth | 15 |
| 4) <u> </u> | Fish Staging and/or migration habitat present, but not as above | 10 |
| | | 5 |

Score for Staging and Migration Habitat (maximum score 25 points)

4.2.7 Great Lakes Coastal Wetlands

Choose One Only	Score
1) <u> X </u> not a Coastal Wetland or wetland < 10 ha	0
2) <u> </u> wetland 10 - 50 ha	25
3) <u> </u> wetland 51 - 100 ha	50
4) <u> </u> wetland > 100 ha	75

Great Lakes Coastal Wetlands Score (Maximum 75): 0

4.3 ECOSYSTEM AGE

(Fractional Area = area of wetland/total wetland area)

	Fractional Area	Scoring
Bog	<u>0.007</u>	<u>x 25 = 0.25</u>
Fen, treed to open on deep soils, Floating mats or marl	<u>0.089</u>	<u>x 20 = 1.80</u>
Fen, on limestone rock	<u> </u>	<u>x 5 =</u>
Swamp	<u>0.253</u>	<u>x 3 = 0.75</u>
Marsh	<u>0.652</u>	<u>x 0 = 0.00</u>

Ecosystem Age Score (maximum score 25 points) 3

5.0 EXTRA INFORMATION5.1 PURPLE LOOSESTRIFE

X Absent/Not Seen

Present

(a) One location in wetland
Two to many localities

Abundance Code

- (b) (1) < 20 stems
(2) 20-99 stems
(3) 100-199 stems
(4) >1000 stems

5.2 SEASONALLY FLOODED AREAS

Check one or more

Ephemeral

(less than 2 weeks
(2 weeks to 1 month)

Temporal

(1 to 3 months)

Seasonal

Semi-permanent

(> 3months)

No seasonal Flooding

5.3 SPECIES OF SPECIAL SIGNIFICANCE5.3.1 Osprey

Present and nesting

Known to have nested in last 5 yr

Feeding area for osprey

Not as above

5.3.2 Common Loon

Nesting in wetland

Feeding at edge of wetland

Observed or heard on lake or
river adjoining the wetland

Not as above