

WETLAND DATA AND SCORING RECORD

- i) WETLAND NAME: KIZEL DRAIN WETLAND COMPLEX
- ii) MNR ADMINISTRATIVE REGION: SOUTHERN DISTRICT: KEMPTVILLE
 AREA OFFICE (if different from District): CARLETON PLACE
- iii) CONSERVATION AUTHORITY JURISDICTION: MVCA
 (If not within a designated CA, check here: _____)
- iv) COUNTY OR REGIONAL MUNICIPALITY: REGIONAL MUNICIPALITY OF OTTAWA - CARLETON
- v) TOWNSHIP: CITY OF KANATA
- vi) LOTS & CONCESSIONS: LOT 5, 6, 7 CONC II
LOT 7 CONC I
 (attach separate sheet if necessary)
- vii) MAP AND AIR PHOTO REFERENCES
- a) Latitude 45°19'30" Longitude: 75°56'20"
- b) UTM grid reference: Zone: 18T Block: VF
 Grid: E 265 N 195
- c) National Topographic Series:
- map name(s) OTTAWA
- map number(s) 31G/5 edition 10
- scale 1:50,000
- d) Aerial photographs: Date photo taken: 1991 Scale: 1:10,000
- Flight & plate numbers: 4521 (23) 13B-139
4522 (24) 35

 (attach separate sheet if necessary)
- e) Ontario Base Map numbers & scale SCALE 1:10,000
10 18 4250 50150
 (attach separate sheets if necessary)

WETLAND EVALUATION SCORING RECORD

WETLAND NAME AND/OR NUMBER Kizel Drain Wetland Complex
W18 426 50 50 195 021

1.0 BIOLOGICAL COMPONENT1.1 PRODUCTIVITY

1.1.1 Growing Degree-Days/Soils	<u>12</u>
1.1.2 Wetland Type	<u>11</u>
1.1.3 Site Type	<u>2</u>

Total for Productivity 25

1.2 BIODIVERSITY

1.2.1 Number of Wetland Types	<u>13</u>
1.2.2 Vegetation Communities (maximum 45)	<u>14</u>
1.2.3 Diversity of Surrounding Habitat (maximum 7)	<u>7</u>
1.2.4 Proximity to Other Wetlands	<u>8</u>
1.2.5 Interspersion	<u>12</u>
1.2.6 Open Water Type	<u>14</u>

Total for Biodiversity 68

1.3 SIZE (Biological Component)9

TOTAL FOR BIOLOGICAL COMPONENT (not to exceed 250)

102

1.0 BIOLOGICAL COMPONENT1.1 PRODUCTIVITY1.1.1 GROWING DEGREE-DAYS/SOILSGROWING DEGREE DAYS

(check one)

- 1) _____ <2800
 2) _____ 2800 - 3200
 3) 3200 - 3600
 4) _____ 3600 - 4000
 5) _____ >4000

SOILS

Estimated Fractional Area

- .05 clay/loam
0 silt/marl
0 limestone
0 sand
0.95 humic/mesic
0 fibric
0 granite

SCORING:

Growing Degree-Days	Clay-Loam	Silt-Marl	Lime-stone	Sand	Humic-Mesic	Fibric	Granite
<2800	15	13	11	9	8	7	5
2800-3200	18	15	13	11	9	8	7
3200-3600	22 $\times 0.05 = 1.1$	18	15	13	11 $\times 0.95 = 10.45$	9	7
3600-4000	26	21	18	15	13	10	8
>4000	30	25	20	18	15	12	8

(maximum score 30; if wetland contains more than one soil type, evaluate based on the fractional area)

Steps required for evaluation: (maximum score 30 points)

1. Select GDD line in evaluation table applicable to your wetland;
2. Determine fractional area of the wetland for each soil type;
3. Multiply fractional area of each soil type by score;
4. Sum individual soil type scores (round to nearest whole number).

In wetland complexes the evaluator should aim at determining the percentage of area occupied by the categories for the complex as a whole.

$$1.1 + 10.45 = 11.55 \rightarrow$$

Final Score Growing Degree-Days/Soils (maximum 30 points) 12

SUMMARY OF EVALUATION RESULTWetland Kizel Drain Wetland Complex

TOTAL FOR 1.0 BIOLOGICAL COMPONENT

102

TOTAL FOR 2.0 SOCIAL COMPONENT

159

TOTAL FOR 3.0 HYDROLOGICAL COMPONENT

215

TOTAL FOR 4.0 SPECIAL FEATURES COMPONENT

106WETLAND TOTAL582INVESTIGATORSJamie Hueston, Robert A. PagnetteAFFILIATIONMNR

DATE

Dec 5/94

CLASS : NOT PROVINCIAALLY SIGNIFICANT

1.2.2 VEGETATION COMMUNITIES

Attach a separate sheet listing community (map) codes, vegetation forms and dominant species. Use the form on the following page to record percent area by dominant vegetation form. This information will be used in other parts of the evaluation.

Communities should be grouped by number of forms. For example, 2 form communities might appear as follows:

2 forms

<u>Code</u>	<u>Forms</u>	<u>Dominant Species</u>
M6	re, ff	re, <i>Typha latifolia</i> ; ff, <i>Lemna minor</i> , <i>Wolffia</i>
S1	ts, gc	ts, <i>Salix discolor</i> ; gc, <i>Impatiens capensis</i> , <i>Thelypteris palustris</i>

Note that the dominant species for each form are separated by a semicolon. The dominant species (maximum of 2) within a form are separated by commas.

Scoring:

Total # of communities
with 1-3 forms

1 = 1.5 points
2 = 2.5
3 = 3.5
4 = 4.5
5 = 5
6 = 5.5
7 = 6
8 = 6.5
9 = 7
10 = 7.5
11 = 8

Total # of communities
with 4-5 forms

1 = 2 points
2 = 3.5
3 = 5
4 = 6.5
5 = 7.5
6 = 8.5
7 = 9.5
8 = 10.5
9 = 11.5
10 = 12.5
11 = 13

Total # of communities
with 6 or more forms

1 = 3 points
2 = 5
3 = 7
4 = 9
5 = 10.5
6 = 12
7 = 13.5
8 = 15
9 = 16.5
10 = 18
11 = 19

+0.5 each additional
community = 7

+0.5 each additional
community = 6.5

+1 each additional
community = _____

e.g., a wetland with 3 one form communities, 4 two form communities, 12 four form communities and 8 six form communities would score:

$$6 + 13.5 + 15 = 34.5 = 35 \text{ points}$$

$$7 + 6.5 = 13.5$$

Vegetation Communities Score (maximum 45 points) 14

1.2.3 DIVERSITY OF SURROUNDING HABITAT

(Check all appropriate items)

- row crop
 pasture
 abandoned agricultural land
 deciduous forest
 coniferous forest
 mixed forest (at least 25% conifer and 75% deciduous or vice versa)
 abandoned pits and quarries
 open lake or deep river
 fence rows with cover, or shelterbelts
 terrain appreciably undulating, hilly, or with ravines
 creek flood plain

Diversity of Surrounding Habitat Score (1 for each, maximum 7 points) 71.2.4 PROXIMITY TO OTHER WETLANDS

(Check first appropriate category only)

Scoring

- | | | |
|--|--|----------|
| 1) <input checked="" type="checkbox"/> | Hydrologically connected by surface water to other wetlands (different dominant wetland type), or to open lake or deep river within 1.5 km | 8 points |
| 2) <input type="checkbox"/> | Hydrologically connected by surface water to other wetlands (same dominant wetland type) within 0.5 km | 8 |
| 3) <input type="checkbox"/> | Hydrologically connected by surface water to other wetlands (different dominant wetland type), or to open lake or deep river from 1.5 to 4 km away | 5 |
| 4) <input type="checkbox"/> | Hydrologically connected by surface water to other wetlands (same dominant wetland type) from 0.5 to 1.5 km away | 5 |
| 5) <input type="checkbox"/> | Within 0.75 km of other wetlands (different dominant wetland type) or open water body, but not hydrologically connected by surface water | 5 |
| 6) <input type="checkbox"/> | Within 1 km of other wetlands, but not hydrologically connected by surface water. | 2 |
| 7) <input type="checkbox"/> | No wetland within 1 km | 0 |

Proximity to other Wetlands Score (Choose one only, maximum 8 points) 8

1.3 SIZE22.0 hectares

1.2.1 = 13
 1.2.2 = 14
 1.2.3 = 7
 1.2.4 = 8
 1.2.5 = 12
 1.2.6 = 14
 68

Size Score (Biological Component) (maximum 50 points) 9

Evaluation Table Size Score (Biological component)

Wetland size (ha)	Total Score for Biodiversity Subcomponent									
	<37	37-48	49-60	61-72	73-84	85-96	97-108	109-120	121-132	>132
<21 ha	1	5	7	8	9	17	25	34	43	50
21-40	5	7	8	9	10	19	28	37	46	50
41-60	6	8	9	10	11	21	31	40	49	50
61-80	7	9	10	11	13	23	34	43	50	50
81-100	8	10	11	13	15	25	37	46	50	50
101-120	9	11	13	15	18	28	40	49	50	50
121-140	10	13	15	17	21	31	43	50	50	50
141-160	11	15	17	19	23	34	46	50	50	50
161-180	13	17	19	21	25	37	49	50	50	50
181-200	15	19	21	23	28	40	50	50	50	50
201-400	17	21	23	25	31	43	50	50	50	50
401-600	19	23	25	28	34	46	50	50	50	50
601-800	21	25	28	31	37	49	50	50	50	50
801-1000	23	28	31	34	40	50	50	50	50	50
1001-1200	25	31	34	37	43	50	50	50	50	50
1201-1400	28	34	37	40	46	50	50	50	50	50
1401-1600	31	37	40	43	49	50	50	50	50	50
1601-1800	34	40	43	46	50	50	50	50	50	50
1801-2000	37	43	47	49	50	50	50	50	50	50
>2000	40	46	50	50	50	50	50	50	50	50

2.0 SOCIAL COMPONENT2.1 ECONOMICALLY VALUABLE PRODUCTS

2.1.1 Wood Products	<u>3</u>
2.1.2 Wild Rice	<u>0</u>
2.1.3 Commercial Fish	<u>12</u>
2.1.4 Bullfrogs	<u>1</u>
2.1.5 Snapping Turtles	<u>0</u>
2.1.6 Furbearers	<u>9</u>

Total for Economically Valuable Products 25

2.2 RECREATIONAL ACTIVITIES (maximum 80) 402.3 LANDSCAPE AESTHETICS

2.3.1 Distinctness	<u>3</u>
2.3.2 Absence of Human Disturbance	<u>2</u>

Total for Landscape Aesthetics 5

2.4 EDUCATION AND PUBLIC AWARENESS

2.4.1 Educational Uses	<u>20</u>
2.4.2 Facilities and Programs	<u>4</u>
2.4.3 Research and Studies	<u>5</u>

Total for Education and Public Awareness 29

2.5 PROXIMITY TO AREAS OF HUMAN SETTLEMENT 402.6 OWNERSHIP 42.7 SIZE (Social Component) 162.8 ABORIGINAL AND CULTURAL VALUES 0

TOTAL FOR SOCIAL COMPONENT (not to exceed 250) 159

2.1.5 SNAPPING TURTLES

(Check one)

Present

Absent

1) _____

2)

Score (Choose one)

1 point

0Source of information: FieldSnapping Turtle Score (maximum 1 point) 02.1.6 FURBEARERS

(Consult Appendix 9)

Name of furbearer

Source of information

1) Beaver (3)field2) raccoon (3)

3) _____

4) _____

5) musk rat (3)field

Scoring: 3 points for each species, maximum 12

Furbearer Score (maximum 12 points) 92.2 RECREATIONAL ACTIVITIES

Type of Wetland-Associated Use			
Intensity of Use	Hunting	Nature Enjoyment/ Ecosystem Study	Fishing
High	40 points	<u>40 points</u> ✓	40 points
Moderate	20	20	20
Low	8	8	8
Not possible/Not known	<u>0</u> ✓	0	<u>0</u> ✓

(score one level for each of the three wetland uses; scores are cumulative; maximum score 80 points)

Sources of information:

Hunting: No discharge of firearms by-lawNature: City of Kanata

Fishing: _____

Recreational Activities Score (maximum 80 points) 40

2.4.3 RESEARCH AND STUDIES

(check appropriate spaces)

Long term research has been done

Research papers published in refereed scientific journal or as a thesis

One or more (non-research) reports have been written on some aspect of the wetland's flora, fauna, hydrology, etc.

No research or reports

Score

12 points

10

5

Attach list of known reports by above categories

Research and Studies Score (Score is cumulative, maximum 12 points) 52.5 PROXIMITY TO AREAS OF HUMAN SETTLEMENT

Circle the highest applicable score

Distance of wetland from settlement	1) population >10,000	2) population 2,500 - 10,000	3) population <2,500 or cottage community
1) Within or adjoining settlement	40 points	26	16
2) 0.5 to 10 km from settlement	26	16	10
3) 10 to 60 km from settlement	12	8	4
4) >60 km from settlement	5	2	0

Name of settlement: City of KanataProximity to Human Settlement Score (maximum 40 points) 402.6 OWNERSHIP (FA = fractional Area)

Score

:

FA of wetland in public or private ownership, held under contract or in trust for wetland protection

_____ x 10 = _____

FA of wetland area in public ownership, not as above

_____ x 8 = _____

FA of wetland area in private ownership, not as above

1 x 4 = 4Source of information: Registry officeOwnership Score (maximum 10 points) 4

2.8 ABORIGINAL AND CULTURAL HERITAGE VALUES

Either or both Aboriginal or Cultural Values may be scored. However, the maximum score permitted for 2.8 is 30 points. Attach documentation.

2.8.1 ABORIGINAL VALUES

Full documentation of sources must be attached to the data record.

1) _____	Significant	=	30 points
2) _____	Not Significant	=	0
3) <u> </u>	Unknown	=	0

2.8.2 CULTURAL HERITAGE

1) _____	Significant	=	30 points
2) _____	Not Significant	=	0
3) <u> </u>	Unknown	=	0

Aboriginal Values/Cultural Heritage Score (maximum 30 points) 0

3.0 HYDROLOGICAL COMPONENT

3.1 FLOOD ATTENUATION

100

3.2 WATER QUALITY IMPROVEMENT

3.2.1 Short Term Improvement

36

3.2.2 Long Term Improvement

10

3.2.3 Groundwater Discharge (maximum 30)

10

Total for Water Quality Improvement

56

3.3 CARBON SINK

5

3.4 SHORELINE EROSION CONTROL

0

3.5 GROUNDWATER RECHARGE

3.5.1 Site Type

50

3.5.2 Soils

4

Total for Groundwater Recharge

54

TOTAL FOR HYDROLOGICAL COMPONENT (not to exceed 250)

215

3.2 WATER QUALITY IMPROVEMENT3.2.1 SHORT TERM WATER QUALITY IMPROVEMENTStep 1: Determination of maximum initial score

Wetland on one of the 5 defined large lakes or 5 major rivers (Go to Step 5a)

All other wetlands (Go through Steps 2, 3, 4, and 5b)

Step 2: Determination of watershed improvement factor (WIF)

Calculation of WIF is based on the fractional area (FA) of each site type that makes up the total area of the wetland.

(FA = area of site type/total area of wetland)

FA of isolated wetland

FA of riverine wetland

FA of palustrine wetland with no inflow

FA of palustrine wetland with inflows

FA of lacustrine on lake shoreline

FA of lacustrine at lake inflow or outflow

Fractional
Area

_____ x 0.5 = _____

_____ x 1.0 = _____

_____ x 0.7 = _____

1 x 1.0 = 1

_____ x 0.2 = _____

_____ x 1.0 = _____

Sum (WIF cannot exceed 1.0) 1

Step 3: Determination of catchment land use factor (LUF)

(Choose the first category that fits upstream landuse in the catchment.)

1) _____ Over 50% agricultural and/or urban 1.0

2) _____ Between 30 and 50% agricultural and/or urban 0.8

3) ✓ Over 50% forested or other natural vegetation 0.6

LUF (maximum 1.0) 0.6

Step 4: Determination of pollutant uptake factor (PUT)

Calculation of PUT is based on the fractional area (FA) of each vegetation type that makes up the total area of the wetland. Base assessment on the dominant vegetation form for each community except where dead trees or shrubs dominate. In that case base assessment on the dominant live vegetation type. (FA = area of vegetation type/total area of wetland)

FA of wetland with live trees, shrubs,
herbs or mosses (c,h,t,s,l,s,g,c,m)

$\frac{12.8}{22} = \frac{\text{Fractional Area}}{.58} \times 0.75 = .4$

FA of wetland with emergent, submergent
or floating vegetation (re,be,ne,su,f,ff)

$\frac{13.5}{22} \times 1.0 = .6$

FA of wetland with little or no vegetation (u)

$0 \times 0.5 = 0$

Sum (PUT cannot exceed 1.0) 1.0

3.2.3 GROUNDWATER DISCHARGE

(Circle the characteristics that best describe the wetland being evaluated and then sum the scores. If the sum exceeds 30 points assign the maximum score of 30.)

Wetland Characteristics	Potential for Discharge		
	None to Little	Some	High
Wetland type	1) Bog = 0	2) Swamp/Marsh = 2	3) Fen = 5
Topography	1) Flat/rolling = 0	2) Hilly = 2	3) Steep = 5
Wetland Area: Upslope Catchment Area	Large (>50%) = 0	Moderate (5-50%) = 2	Small (<5%) = 5
Lagg Development	1) None found = 0	2) Minor = 2	3) Extensive = 5
Seeps	1) None = 0	2) = or < 3 seeps = 2	3) > 3 seeps = 5
Surface marl deposits	1) None = 0	2) = or < 3 sites = 2	3) > 3 sites = 5
Iron precipitates	1) None = 0	2) = or < 3 sites = 2	3) > 3 sites = 5
Located within 1 km of a major aquifer	N/A = 0	N/A = 0	Yes = 10

(Scores are cumulative, maximum score 30 points)

Groundwater Discharge Score (maximum 30 points) 10

3.3 CARBON SINK

Choose only one of the following

- 1) Bog, fen or swamp with more than 50% coverage by organic soil 5 points
- 2) Bog, fen or swamp with between 10 to 49% coverage by organic soil 2
- 3) Marsh with more than 50% coverage by organic soil 3
- 4) Wetlands not in one of the above categories 0

Carbon Sink Score (maximum 5 points) 5

3.5.2 WETLAND SOIL RECHARGE POTENTIAL

(Circle only one choice that best describes the hydrologic soil class of the area surrounding the wetland being evaluated.)

Dominant Wetland Type	1) Sand, loam, gravel, till	2) Clay or bedrock
1) Lacustrine or on a major river	0	0
2) Isolated	10	5
3) Palustrine	7	4
4) Riverine (not a major river)	5	2

Ground Water Recharge, Wetland Soil Recharge Potential Score (maximum 10 points) 4

4.0 SPECIAL FEATURES4.1 RARITY

4.1.1 Wetlands

4.1.1.1 Rarity within the Landscape

4.1.1.2 Rarity of Wetland Type (maximum 80) 30

Total for Wetland Rarity

30

4.1.2 Species

4.1.2.1 Endangered Species Breed

4.1.2.2 Traditional Use by Endangered Species

4.1.2.3 Provincially Significant Animals

4.1.2.4 Provincially Significant Plants

4.1.2.5 Regionally Significant Species

4.1.2.6 Locally Significant Species

Total for Species Rarity

04.2 SIGNIFICANT FEATURES OR HABITAT

4.2.1 Colonial Waterbirds

4.2.2 Winter Cover for Wildlife

4.2.3 Waterfowl Staging and Moulting

4.2.4 Waterfowl Breeding

4.2.5 Migratory Passerine, Shorebird or Raptor Stopover

4.2.6 Fish Habitat

Total for Significant Features and Habitat

0
10 - (locally significant)
0 - unknown
10 - suitable
0
54

744.3 ECOSYSTEM AGE24.4 GREAT LAKES COASTAL WETLANDS—TOTAL FOR SPECIAL FEATURES (maximum 250)106

4.1.2 SPECIES4.1.2.1 BREEDING HABITAT FOR AN ENDANGERED SPECIES

Name of species	Source of information
1) _____	_____
2) _____	_____
3) _____	_____

Attach documentation.

Scoring:

For each species 250 points

(score is cumulative, no maximum score)

Breeding Habitat for Endangered Species Score (no maximum) 04.1.2.2 TRADITIONAL MIGRATION OR FEEDING HABITAT FOR AN ENDANGERED SPECIES

Name of species	Source of information
1) _____	_____
2) _____	_____
3) _____	_____

Attach documentation.

Scoring:

For one species 150 points

For each additional species 75

(score is cumulative, no maximum score)

Traditional Habitat for Endangered Species Score (no maximum) 0

4.1.2.4 PROVINCIALY SIGNIFICANT PLANT SPECIES

(Scientific names must be recorded)

Common Name	Scientific Name	Source of information
1) _____	_____	_____
2) _____	_____	_____
3) _____	_____	_____
4) _____	_____	_____
5) _____	_____	_____

Attach separate list if necessary; Attach documentation

Scoring:

Number of provincially significant plant 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.)

Provincially Significant Plant Species Score (no maximum) 0

4.2.1.6 LOCALLY SIGNIFICANT SPECIES (SITE DISTRICT)

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

Common Name	Scientific Name	Source of information
1) _____	_____	_____
2) _____	_____	_____
3) _____	_____	_____
4) _____	_____	_____
5) _____	_____	_____
6) _____	_____	_____
7) _____	_____	_____
8) _____	_____	_____
9) _____	_____	_____
10) _____	_____	_____

Attach separate list if necessary. Attach documentation.

Scoring:

No. of species significant in Site District

One species = 10	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

For each significant species over 10 in the wetland; add 1 point.

Locally Significant Species Score (Site District) (no maximum) 0

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>	Score (one only)	<u>Moulting</u>	Score (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	<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	0

Source of information: _____

Waterfowl Moulting and Staging Score (maximum 150 points) 0

4.2.4 WATERFOWL BREEDING

(Check only highest level of significance)

	Score
1) _____ Provincially significant	100
2) _____ Regionally significant	50
3) <input checked="" type="checkbox"/> Habitat suitable	10
4) _____ Habitat not suitable	0

Source of information: Field

Waterfowl Breeding Score (maximum 100 points) 10

4.2.5 MIGRATORY PASSERINE, SHOREBIRD OR RAPTOR STOPOVER AREA

(check highest applicable category)

1) _____ Provincially significant	100
2) _____ Significant in Site Region	50
3) _____ Significant in Site District	10
4) <input checked="" type="checkbox"/> Not significant	0

Source of information: _____

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

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)

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, Table 16-2) 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.

Vegetation Group Number	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				6 pts	
2	Shortgrass-Sedge				11	
3	M1 Cattail-Bulrush-Burreed	✓	7.7	.6	5	23.1
4	Arrowhead-Pickerelweed				5	
5	Duckweed				2	
6	Smartweed-Waterwillow				6	
7	Waterlily-Lotus				11	
8	Waterweed-Watercress				9	
9	Ribbongrass				10	
10	Coontail-Naiad-Watermilfoil				13	
11	Narrowleaf Pondweed				5	
12	Broadleaf Pondweed				8	
Total Score (maximum 75 points)						23.1

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.)

High marsh not present (Continue to Step 6)

High marsh present (Score as follows)

4.2.6.2 Migration and Staging HabitatStep 1:

- 1) 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:

- | | | Score |
|--|---|-----------|
| 1) <input type="checkbox"/> | Significant in Site Region | 25 points |
| 2) <input type="checkbox"/> | Significant in Site District | 15 |
| 3) <input type="checkbox"/> | Locally Significant | 10 |
| 4) <input checked="" type="checkbox"/> | Fish staging and/or migration habitat present, but not as above | 5 |

Score for Fish Migration and Staging Habitat (maximum score 25 points) 5

Step 3: Select the highest appropriate category below based on presence of the designated site type (does not have to be dominant). See Section 1.1.3. Note name of river for 2) and 3).

- | | | Score |
|--|---|-----------|
| 1) <input type="checkbox"/> | Wetland is riverine at rivermouth or lacustrine at rivermouth | 25 points |
| 2) <input type="checkbox"/> | Wetland is riverine, within 0.75 km of rivermouth | 15 |
| 3) <input type="checkbox"/> | Wetland is lacustrine, within 0.75 km of rivermouth | 10 |
| 4) <input checked="" type="checkbox"/> | Fish staging and/or migration habitat present, but not as above | 0 |

Score for Staging and Migration Habitat (maximum score 25 points) 0

4.3 ECOSYSTEM AGE

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

Fractional Area	Scoring
Bog	$\frac{0}{\quad} \times 25 = \frac{0}{\quad}$
Fen, treed to open on deep soils, floating mats or marl	$\frac{0}{\quad} \times 20 = \frac{0}{\quad}$
Fen, on limestone rock	$\frac{0}{\quad} \times 5 = \frac{0}{\quad}$
Swamp	$\frac{0.63}{\quad} \times 3 = \frac{1.9}{\quad}$
Marsh	$\frac{0.37}{\quad} \times 0 = \frac{0}{\quad}$

Ecosystem Age Score (maximum 25 points) 1.92

4.4 GREAT LAKES COASTAL WETLANDS

Score for coastal (see text for definition) wetlands only

Choose one only

- wetland <10 ha = 10 points
 wetland 10 - 50 ha = 25
 wetland 51 - 100 ha = 50
 wetland >100 ha = 75

Great Lakes Coastal Wetlands Score (maximum 75 points) 0

5.0 EXTRA INFORMATION5.1 PURPLE LOOSESTRIFE

— Absent/Not seen

✓ Present

- (a) One location in wetland —
-
- Two to many locations ✓

Abundance code

- (b) (1) < 20 stems —
-
- (2) 20-99 stems —
-
- (3) 100-999 stems —
-
- (4) >1000 stems ✓

5.2 SEASONALLY FLOODED AREAS

Check one or more

Ephemeral (less than 2 weeks) —
Temporal (2 weeks to 1 month) —
Seasonal (1 to 3 months) —
Semi-permanent (>3 months) ✓
No seasonal flooding —5.3 SPECIES OF SPECIAL SIGNIFICANCE5.3.1 OspreyPresent and nesting —
Known to have nested in last 5 yr —
Feeding area for osprey ✓
Not as above —5.3.2 Common LoonNesting in wetland —
Feeding at edge of wetland —
Observed or heard on lake or
river adjoining the wetland —
Not as above ✓