Georgina's typed municipal list } add N. Burgess L25-27 C7 to N. Crosby list

WETLAND DATA RECORD

(i). WETLAND NAME AND/OR NUMBER Black Creek Westport Bog Complex

(ii). ADMINISTRATIVE REGION Eastern, AND DISTRICT Brockville OF ONTARIO MINISTRY OF NATURAL RESOURCES

(iii). CONSERVATION AUTHORITY JURISDICTION Rideau Valley C.A.

If not within a designated Conservation Authority, check here ___

(iv). COUNTY OR REGIONAL MUNICIPALITY Leeds

(v). TOWNSHIP North Crosby & North Burgess C7 L25-27

(vi). LOTS AND CONCESSIONS Con 3 lots 13-19 Con 4 lots 12-17 Con 2 17, 18; Con 1 lot 17

(vii). MAP AND AIR PHOTO REFERENCES

(a) Longitude and Latitude 76° 22' 30" 44° 43' 30"

(b) U.T.M. Grid Reference Zone: 18T; Grid: 910532

(c) National Topographic Series Scale and Map Number(s) & Name Westport 31 C/9 1:50,000

(d) Air Photos

(1) Date photo taken 1978

(2) Scale of air photos 1:10,000

(3) Flight and plate numbers 4449, 76-78; 4450, 78-81; 4451, 147-149; 4452, 112-117.

(viii). WETLAND SIZE AND BOUNDARIES

(a) Single contiguous wetland area: _____ hectares

OR

(b) "Wetland Complex" comprised of 20 individual wetlands as follows:.

Wetland Number (for reference purposes)	Size of each wetland in the complex	
Wetland No. 1	94.6	hectares
Wetland No. 2	85.4	"
Wetland No. 3	32	"
Wetland No. 4	29	"
Wetland No. 5	23.2	"
Wetland No. 6	90.3	"
Total size of wetland complex:	356	"

1.0. BIOLOGICAL COMPONENT

1.1. PRODUCTIVITY VALUES

1.1.1. Growing Degree-Days

Number of accumulated growing degree-days (check one)

____	<2800
____	2800 to 3200
✓	3200 to 3600
____	>3600

1.1.2. Soils

	Estimated % of Area
- Clays, loams or silts (mineral)	10
- Organic	90
- Undesignated	0

1.1.3. Type of Wetland

(check one or more)		Estimated % of Area
✓	Bog	17
____	Fen	
✓	Swamp	28
✓	Marsh (includes Open Water Marsh)	55

1.1.4. Site

(check one or more)		Estimated % of Area
____	Isolated	
✓	Palustrine (permanent or intermittent outflow)	74
____	Riverine	26
____	Riverine (at rivermouth)	
____	Lacustrine (at rivermouth)	
____	Lacustrine (on enclosed bay)	
____	Lacustrine (exposed to lake)	

Ulock creek - Wet prof Bog

1.1.5. Nutrient Status of Surface Water

(a) Write conductivity bridge reading and calculate T.D.S. at 25°C as per tables in Appendix VIII.

Location Sampled (ie. inflow, outflow, etc.)	Initial Specific Conductance (umhos/cm)	Temperature (°C)		Total Dissolved Solids (T.D.S.) (mg/l)
	500	10	=	475
	1250	24	=	850
	110	8	=	111
			=	
		Average T.D.S.	=	479

(b) Check appropriate category (from (a))

Average T.D.S. (mg/l)	
<100	
100-500	✓
501-1500	
>1500	
NO READING	

1.2. DIVERSITY VALUES

1.2.1. Number of Wetland Types

(check one)

- ____ One
- ____ Two
- ✓ Three
- ____ Four

1.2.2. Vegetation Communities

(enter form and map code if available, or enter dominant species if known, and appropriate code/symbol)

a) One form

Code	
UU	Sw milfoil

b) Two forms

Code		
W2	f water lily	su milfoil
M3	ne grass	ff duckweed
M4	gc joe pye weed	ne grass
M7	su milfoil	dh
M12	re cattail	gc jewelweed
S1	dh	su coontail

(6)

c) Three forms

Code			
M2	re cattail	ne grass	su milfoil
M10	ne grass	gc loosestrife	be pickerelweed
M11	re cattail	ff duckweed	su coontail
M13	su milfoil	gc loosestrife	ff duckweed
M14	gc jewelweed	ff duckweed	su
S8	ts willow	ne grass	gc
B2	ls leather leaf	ne grass	m sphagnum

(8)

d) Four forms

Code				
M1	ne grass	gc ferns	ts alder	be arrowhead
M5	ne grass	ff duckweed	su milfoil	re cattail
M8	gc loosestrife	ne grass	ff duckweed	su pondweed
M9	ne burreed	re cattail	be pickerelweed	ff duckweed
M15	ne sedge	ts willow	f water shield	su coontail, pondweed
S6	h maple	ts willow	ne grass	gc ferns

(9)

e) Five forms

Code					
S4	ts alder	ls spiraea	ne sedge	gc jewelweed	ff duckweed
S5	h maple	ts winterberry	ls leatherleaf	ne grass	gc marsh St. Johns wort m. sphagnum
B4	ds	ts honeysuckle	ls leatherleaf	ne grass	m sphagnum

(3)

f) Six or more forms

Code							
M6	ne grass	dh	ts willow	gc loosestrife	su milfoil	ff duckweed	
S2	ts willow	ls spiraea	re cattail	ne sedge	be smartweed	gc ferns	su coontail
S3	dh	ts button bush	be beggarticks	gc fern	ne grass	ff duckweed	
S7	dh	h maple	ts alder	be water arum	ne grass	gc fern	ff. duckweed

(4)

S9 ts willow ds ff duckweed su pondweed

S10 ts alder re cattail gc St. Johns wort ne grass

S11 dh ff duckweed su milfoil

B1 h maple c tamarack, ts alder ds ls leatherleaf m sphagnum

B3 c black spruce ls labrador tea ne grass m sphagnum

1.2.3. Diversity of Surrounding Habitat
(check all appropriate items)

✓ row crops
✓ pasture
✓ abandoned agricultural land
✓ deciduous forest
✓ coniferous forest
✓ urban or cottage development
___ pits, quarries or mining waste disposal
✓ open lake or deep river
✓ fence rows with cover, or shelterbelts
✓ terraine undulating or hilly with ravines
✓ creek(s)

Enter Total = 10

1.2.4. Proximity to Other Wetlands
(check first appropriate category)

i) Hydrologically connected by surface water to other wetlands (different dominant type) or open water within 1.5 km. ✓

ii) Hydrologically connected by surface water to other wetlands (same dominant type) within 0.5 km. ___

iii) Hydrologically connected by surface water to other wetlands (different dominant type) or open water body from 1.5 to 4 km away. ___

iv) Hydrologically connected by surface water to other wetlands (same dominant type) from 0.5 to 1.5 km away. ___

v) Within 0.75 km of other wetlands (different dominant type) or open water body, but not hydrologically connected by surface water. ___

vi) Within 1 km of other wetlands, but not hydrologically connected by surface water. ___

vii) No wetland within 1.5 km. ___

1.2.5. Interspersion
(check one)

Type 1 ___
Type 2 ___
Type 3 ___
Type 4 ✓

1.2.6. Open Water Types
(check one)

No open water	____
Type 1	____
Type 2	____
Type 3	✓
Type 4	____
Type 5	____
Type 6	____
Type 7	____
Type 8	____

1.3. SIZE (Biological Component)
(refer to viii)
356 hectares

2.0. SOCIAL COMPONENT

2.1. RESOURCE PRODUCTS WITH CASH VALUE

2.1.1. Timber (lumber and firewood)
(1) ____ 51 to 100% of wetland area has mature trees (>10 cm dbh, >25% cover)
(2) ✓ 10 to 50% of wetland area has mature trees (as above)
(3) ____ Wetland has few, immature or no trees
Source of information: observation

2.1.2. Wild Rice
(1) ____ Present
(2) ✓ Absent
Source of Information: ____

2.1.3. Commercial Fish (Bait Fish and/or Coarse Fish)
(1) ____ Fish harvested from the wetland (as per MNR)
(2) ✓ Abundant during at least part of the year
(3) ____ Not abundant or only occasional
(4) ____ Habitat not suitable for fish
Source of Information: observation and lake survey Aug. '71

2.1.4. Bullfrogs
(1) ✓ Present
(2) ____ Absent
Source of Information: observation

2.1.5. Snapping Turtles

(1) _____ Present

(2) ✓ Absent

none known

Source of Information: _____

2.1.6. Furbearers

(check if present)

✓ muskrat

✓ raccoon

✓ beaver

_____ mink

_____ other

Source of Information: observation

2.2. RECREATIONAL ACTIVITIES

(check appropriate spaces)

Intensity of Use	Type of Wetland Associated Use: Hunting	Nature Appreciation or Study	Fishing	Canoeing/Boating
High				
Moderate	✓			
Low			✓	✓
None Known		✓		
Not Possible				
Source of Information	observation shells, hunt camp, deer	observation	lake survey Aug. 17/'71	observation of boats

2.3. AESTHETICS

2.3.1. Landscape Distinctness

(1) ✓ Clearly distinct

(2) _____ Indistinct

2.3.2. Absence of Human Disturbances

2.3.2.1. Level of Disturbance

(1) ____ Human disturbances absent or nearly so
(2) ✓ One or several singular or localized disturbances
(3) ____ Moderate disturbance or localized water pollution
(4) ____ Impairment of natural quality intense in some areas or severe localized water pollution
(5) ____ Extremely intense disturbance or water pollution severe and widespread.

2.3.2.2. Types of Disturbances

____ roads
____ utility corridor
____ buildings
____ channelization
____ drainage
____ filling
____ water pollution
✓ other: trail, cattle access.

2.4. EDUCATION AND PUBLIC AWARENESS

2.4.1. Educational Uses

(1) ____ Frequent - an average of 2 or more visits per year by one or more school groups, local clubs for the purpose of studying the animals, plants, environment, etc.
(2) ____ Infrequent - use by organized groups (one visit or less per year or only casual visits)
(3) ✓ No known visits

List groups utilizing the wetland

Name of Group(s)	Source of Information

2.4.2. Facilities and Programs
(check one)

(1) ____ Staffed interpretation center with shelters, trails, literature
(2) ____ No interpretation center or staff, but a system of self-guiding trails and observation points or brochures available
(3) ✓ No facilities or programs

2.4.3. Research and Studies
(check one)

(1) _____ One or more wetland-related scientific research papers published in a scientific journal;
(2) ✓ One or more reports written outlining some aspect of the wetland's natural resources;
(3) _____ No reports or papers.

List scientific papers, reports, etc.

lake survey - August 17, 1971

Westport Bog Study - contact Don Cuddy, Regional Office for a copy

2.5. PROXIMITY TO URBAN AREAS
(check one)

(1) _____ In an urban or suburan area
(2) _____ <10 km from a population center greater than 10,000
(3) ✓ 10 to 60 km from a population center greater than 10,000
(4) _____ Isolated or relatively remote

2.6. OWNERSHIP/ACCESSIBILITY

Estimate % of area and enter in the appropriate space(s)

ACCESSIBILITY	OWNERSHIP				
	Public, unrestricted activities	Public, restricted activities	Private, open to public for limited activities	Private Club, closed to public	Private or Private and posted
1) Easy at most times by road/waterway					45
2) Easy only at certain times of the year	10				45
3) Limited, moderate effort required					
4) Difficult*					

* Requires extended effort due to distance from roads, navigable waterways or isolated geographical position.

Source of information field observations Lands map

2.7. Size (Social Component)

356 hectares (refer to viii)

3.0. HYDROLOGICAL COMPONENT

3.1. EFFECT OF ADJOINING LARGE WATER BODY
(check one)

(1) _____ Wetland located on the Ottawa, St. Lawrence, Niagara, Detroit or St. Clair Rivers (Go to 3.3)

(2) _____ Wetland bordering on one of the Great Lakes (Go to 3.3)

(3) ✓ Wetland not located as above (Go to 3.2)

If (1) or (2), omit Section 3.2, FLOW STABILIZATION. Continue with Section 3.3, WATER QUALITY IMPROVEMENT. If (3), proceed to Section 3.2.

3.2. FLOW STABILIZATION (All wetlands except those bordering on the Great Lakes or the 5 large rivers)

3.2.1. Detention Due to Surface Area

3.2.1.1. Size of Catchment Basin above Wetland Outflow

Catchment Basin Size 4.3 sq. km

3.2.1.2. Total Size of all Detention Areas (Lakes, Reservoirs and Wetlands) Draining into the Wetland (sq. km)

List Detention Areas	Size
Westport-Nelson Wetland Complex	3.62
Tommy Lk	0.22
Wetland 1	1.00
Total	4.84 sq. km

3.2.1.3. Size of Adjoining Lake (Lacustrine wetlands only)

N/A hectares

3.2.1.4. Size of Adjoining River (Riverine wetlands only) (not assessed)

3.2.1.5. Location and Size of Detention Areas (Lakes, Reservoirs and Wetlands) within 30 km above and below the wetland

(NOTE: 1 sq. km = 100 ha)

(a) Detention areas above the wetland (within 30 km)

Name and/or Number of Detention Area	Distance upstream from wetland (in km)	Size (hectares)	For Scoring Use
Westport-Nelson Wetland Complex	2	362	-17
Tommy Lk	6	22	-4
Wetland 1	8	100	-4

(b) Detention areas below the wetland (within 30 km)

Name and/or Number of Detention Area	Distance downstream from wetland (in km)	Size (hectares)	For Scoring Use
BLACK LAKE	2	425	-17
BLACK CREEK	3	100	-2
RIDEAU LAKE	15	6500	-24

//-50

3.2.1.6. Land Use along River or Stream Shoreline for 20 km Below the Wetland
(Palustrine and all Riverine wetlands except those located along the 5 large rivers).

(check one)

(1) Wetland outflow exits into a deep ravine _____
(2) A village, town or urban area is located along outflow within 20 km _____
(3) Not as above, and actively farmed agricultural land borders onto outflow, and

length of agricultural border =	<1 km	_____
(sum of shoreline	1-3	✓
on both sides of	4-8	_____
river within 20 km)	>8	_____

(4) Not as above, (eg. lands bordering outflow within 20 km are forested, or abandonned by agriculture, or outflow enters another wetland or lake, etc.) _____

3.2.1.7. Size (Hydrological Component)
(see viii)
356 ha

3.2.2. Flow Augmentation (Palustrine wetlands only)

Size of Catchment basin 43 sq. km (See 3.2.1.1)
Wetland Area as a % of Catchment Basin Size 8 %
(Note: convert wetland area to sq. km before calculating %)

3.3. WATER QUALITY IMPROVEMENT (All wetlands)

3.3.1. Short Term Removal of Nutrients from Surface Water

3.3.1.1. Site Type (see 1.1.4 and check dominant site)

_____ Isolated
✓ Palustrine (with permanent or intermittent outflow)
_____ Riverine
_____ Riverine (at rivermouth)
_____ Lacustrine (at rivermouth)
_____ Lacustrine (on enclosed bay)
_____ Lacustrine (exposed to lake)

3.3.1.2. Actual Wetland Area Dominated by Robust Emergents and Submergents
(check one)

_____ <5
_____ 5 - 50
✓ 51 - 100
_____ 101 - 250
_____ 251 - 500
_____ 501 - 1000
_____ >1000 hectares

3.3.1.3. Land Use in Catchment Basin
(check one)

(1) _____ Mainly agriculture and/or urban
(2) _____ Roughly 40-60% agriculture; remainder forested or abandoned agriculture
(3) ✓ Mainly forested and/or less than 40% agriculture

3.2.2. Long Term Nutrient Trap
(check one)

(1) _____ Wetland located on an active delta
(2) _____ Wetland rivermouth but without obvious delta
(3) ✓ Wetland with organic soils occupying 50% or more of the area
(4) _____ Wetland with organic soils occupying less than 50% of the area (i.e. mainly mineral or undesignated soils)

3.4. EROSION CONTROL

3.4.1. Erosion Buffer (Lacustrine and Riverine wetlands only)

N/A NOTE: Assess for the dominant site type (see 3.3.1.1)

3.4.1.1. Riverine Wetlands (shoreland and flood plain)
(check principal vegetation form)

(1) _____ Trees or Shrubs
(2) _____ Emergents
(3) _____ Non-vegetated or nearly so

3.4.1.2. Lacustrine Wetlands (with or without barrier beach)
(check principal vegetation form)

(1) _____ Trees or Shrubs
(2) _____ Emergents
(3) _____ Submergents and Floating
(4) _____ Non-vegetated or nearly so

3.4.1.3. Fetch (Lacustine wetlands or Riverine wetlands on any of the 5 large rivers)

NA

Maximum distance

(1) _____ barrier beach present
(2) _____ <2 km
(3) _____ 2 to 8 km
(4) _____ >8 km

3.4.2 Sheet Erosion (All except Lacustrine wetlands)
(check the appropriate space)

Wetland Size (ha)	R FACTOR VALUE <50	50-75	75-100	>100
<2				
2-5				
6-10				
11-15				
16-20				
>20		✓		

4.1.3.5. Regionally Significant Species

	Name of Species	Source of Information
(1)	pitcher plant	observation - not regionally sig^n
(2)		
(3)	Drosera intermedia	Westport Bog study (JA)
(4)		

4.2. SIGNIFICANT FEATURES AND/OR FISH AND WILDLIFE HABITAT

4.2.1. Nesting of Colonial Waterbirds
(check one)

(1) _____ Currently nesting; species name(s) _____
(2) _____ Known to have nested within past 5 years; species name(s) _____
(3) ✓ Active feeding area
(4) _____ None known

Source of Information: observation

4.2.2. Winter Cover for Wildlife
(check only highest level of significance)

(1) _____ Provincial signficance for Deer _____, Moose _____
(2) _____ Regional significance for Deer _____, Moose _____
(3) ✓ Local significance for Deer ✓, Moose _____
(4) _____ Good winter cover for other species (list): _____
(5) _____ Poor winter cover

Source of Information: observation + personal communication (local landowner)

4.2.3. Waterfowl Staging
(check only highest level of significance)

(1) _____ National significance
(2) _____ Provincial significance
(3) _____ Regional signficance
(4) ✓ Local or no significance

Source of Information: observed ducks in fall

4.2.4. Waterfowl Production
(check only highest level of significance)

(1) _____ Provincial significance
(2) _____ Regional significance
(3) ✓ Local significance
(4) _____ Little or no significance

Source of Information: Many ducks seen in summer

4.2.5. Migratory Passerine and/or Shorebird Stopover Area
(check one)

(1) _____ High significance
(2) ✓ No significance
Source of Information: _____

4.2.6. Significance for Fish Spawning and Rearing
(check one)

(1) _____ Regional significance
(2) ✓ Present
(3) _____ Unknown
(4) _____ Not possible
Species and Source of Information: largemouth bass, northern pike → lake survey, Aug. 18/'71

4.2.7. Unusual Geological or other Surficial Features

Feature	Source of Information
(1)	
(2)	

4.3. ECOLOGICAL AGE

Type of Wetland	Enter % of Area
✓ Bog	17
Fen	
✓ Swamp	28
✓ Marsh	55

INVESTIGATORS

Peter McIntyre
Donna Healey
Lisa Chalmers

AFFILIATION

MNR

DATE

August 27/28 1985

ESTIMATED TIME DEVOTED TO COMPLETING THE FIELD SURVEY IN "PERSON HOURS"

38

WEATHER CONDITIONS

(i) at time of field work: warm, overcast
(ii) summer conditions in general:

WETLAND EVALUATION RECORD

WETLAND NAME AND/OR NUMBER Black Creek - Westport Bog Complex

1.0 BIOLOGICAL COMPONENT

1.1. PRODUCTIVITY VALUES

1.1.1.	Growing Degree-Days	14	
1.1.2.	Soils	6	
1.1.3.	Type of Wetland	15	
1.1.4.	Site	5	
1.1.5.	Nutrient Status of Surface Water	20	
	TOTAL for Productivity Values		60

1.2. DIVERSITY VALUES

1.2.1.	Number of Wetland Types	9	
1.2.2.	Vegetation Communities (not to exceed 30)	30	
1.2.3.	Diversity of Surrounding Habitat	10	
1.2.4.	Proximity to Other Wetlands	10	
1.2.5.	Interspersion	28	
1.2.6.	Open Water Types	14	
	TOTAL for Diversity Values		101

1.3. SIZE (Biological Component) 50

TOTAL FOR BIOLOGICAL COMPONENT (not to exceed 250) 211

2.0 SOCIAL COMPONENT

2.1. RESOURCE PRODUCTS WITH CASH VALUE

2.1.1.	Timber (lumber and firewood)	10
2.1.2.	Wild Rice	0
2.1.3.	Commercial Fish (Bait Fish and/or Coarse Fish)	10
2.1.4.	Bullfrogs	2
2.1.5.	Snapping Turtles	0
2.1.6.	Furbearers	15

TOTAL for Resource Products with Cash Value (not to exceed 60) 37

2.2. RECREATIONAL ACTIVITIES (not to exceed 70) 30

2.3. AESTHETICS

2.3.1.	Landscape Distinctness	5
2.3.2.	Absence of Human Disturbances	15

TOTAL for Aesthetics 20

2.4. EDUCATION AND PUBLIC AWARENESS

2.4.1.	Educational Uses	0
2.4.2.	Facilities and Programs	0
2.4.3.	Research and Studies	3

TOTAL for Education and Public Awareness 3

2.5. PROXIMITY TO URBAN AREAS 10

2.6. OWNERSHIP/ACCESSIBILITY 6

2.7. SIZE (Social Component) 20

TOTAL FOR SOCIAL COMPONENT (not to exceed 250) 126

3.0. HYDROLOGICAL COMPONENT

3.1. EFFECT OF ADJOINING LARGE WATER BODY

3.2. FLOW STABILIZATION

3.2.1. Detention Due to Surface Area

3.2.1.1. and					
3.2.1.2.	FIRST step (from table)			90	
3.2.1.3.	SECOND step	minus	0	=	90
3.2.1.5.	THIRD step	minus	50	=	40
3.2.1.6.	FOURTH step	minus	5	=	35 ← (minimum allowable = 0)
3.2.1.7.	FIFTH step	plus	36	=	71

TOTAL for Detention Due to Surface Area 71

3.2.2. Flow Augmentation (from table) 38

TOTAL for Flow Stabilization 109

3.3. WATER QUALITY IMPROVEMENT

3.3.1. Short Term Removal of Nutrients from Surface Water

3.3.1.1.	Site Type	2
3.3.1.2.	Actual Wetland Area Dominated by Robust Emergents and Submergents	4
3.3.1.3.	Land Use in Catchment Basin	3

TOTAL for Short Term Removal of Nutrients from Surface Water 9

3.3.2. Long Term Nutrient Trap 6

TOTAL for Water Quality Improvement 15

3.4. EROSION CONTROL

3.4.1. Erosion Buffer

3.4.1.1.	Riverine Wetlands	N/A
3.4.1.2.	Lacustrine Wetlands	N/A
3.4.1.3.	Fetch	N/A

TOTAL for Erosion Buffer N/A

3.4.2. Sheet Erosion 3

TOTAL for Erosion Control 3

TOTAL FOR HYDROLOGICAL COMPONENT (not to exceed 250) 127

4.0. SPECIAL FEATURES COMPONENT

4.1. RARITY AND/OR SCARCITY

4.1.1. Individual Wetlands

Name of Physiographic Unit: FRONTENAC AXIS

Unit Number: 12

4.1.2. Wetland Type Representation (minimum size 0.5 ha)

(check one or more)

- ✓ Marsh
- ✓ Swamp
- Fen
- ✓ Bog

4.1.3. Individual Species

4.1.3.1. Breeding Habitat for an Endangered Animal or Plant Species

	Name of Species	Source of Information
(1)		
(2)		

4.1.3.2. Traditional Migration or Feeding Habitat for an Endangered Animal Species

	Name of Species	Source of Information
(1)		
(2)		

4.1.3.3. Breeding or Feeding Habitat for a Provincially Significant Animal Species

	Name of Species	Source of Information
(1)	MARSH WREN	PETER McINTURE - observation
(2)		

4.1.3.4. Provincially Significant Plant Species

	Name of Species	Source of Information
(1)		
(2)		

4.0 SPECIAL FEATURES COMPONENT

4.1. RARITY AND/OR SCARCITY

4.1.1. Individual Wetlands		5
4.1.2. Wetland Type Representation		20
4.1.3. Individual Species		
4.1.3.1. Breeding Habitat for an Endangered Animal or Plant Species		
4.1.3.2. Traditional Migration or Feeding Habitat for an Endangered Animal Species		
4.1.3.3. Breeding or Feeding Habitat for a Provincially Significant Animal Species	100	
4.1.3.4. Provincially Significant Plant Species		
4.1.3.5. Regionally Significant Species	10	
TOTAL for Individual Species (not to exceed 250)		110
TOTAL FOR RARITY AND/OR SCARCITY (not to exceed 250)		135

4.2. SIGNIFICANT FEATURES AND/OR FISH AND WILDLIFE HABITAT

4.2.1. Nesting of Colonial Waterbirds	3
4.2.2. Winter Cover for Wildlife	10
4.2.3. Waterfowl Staging	0
4.2.4. Waterfowl Production	5
4.2.5. Migratory Passerine and/or Shorebird Stopover Area	0
4.2.6. Significance for Fish Spawning and Rearing	15
4.2.7. Unusual Geological or other Surficial Features	0
TOTAL FOR SIGNIFICANT FEATURES AND/OR FISH AND WILDLIFE HABITAT (not to exceed 250)	33

4.3. ECOLOGICAL AGE 4

TOTAL FOR SPECIAL FEATURES COMPONENT (not to exceed 250) 172

Black Creek - Westport Bog Complex

Field Notes: Aug 27/28 1985

W1 su milfoil
W2 f water lily, water shield
su milfoil, pondweed

W3 unvegetated

✓ M1 ne grass, sedge, bunreed
gc ferns, marsh cinquefoil, marsh St. John's wort
ts alder, willow, red maple sapling, bittersweet
be arrowhead, (water arum)

✓ M2 re cattail
ne grasses, sedges
su milfoil

✓ M3 ne grass, sedge
ff duckweed

✓ M4 gc joe pye weed, jewelweed, goldenrod, fern, mint, vervain, nettle
ne grass, sedges

M5 ne grass, sedge
ff duckweed
su milfoil
[illegible]

S 9 ts willow
ds
ff duckweed
su pondweed

S 10 ts alder willow
oe cattail
gc St Johnswort
ne grass and sedge
be water arum
m

S 11 dh
ff duckweed
su milfoil

B 1 h maple
c tamarack, white pine
ts swampfly honeysuckle, mountain holly, alder
buttonbush
ds
ls leatherleaf, labrador tea
m sphagnum

B 2 ls leatherleaf
ne grass sedges
m sphagnum

B 3 c black spruce, tamarack
ls labrador tea, leatherleaf, saplings
ne grass

M6 ne grass, sedge
dh
ts willow
gc loosestrife
su milfoil
ff duckweed

M7 su milfoil
dh

M8 gc loosestrife, fern
ne grass, sedge
ff duckweed
su pondweed

M9 ne bunreed, rushes, sedges
re cattail, bulrush.
be pickerel weed, arrowhead, beggarticks, unknown
ff duckweed

M10 ne grass, sedge
gc loosestrife, fern
be pickerel weed, arrowhead

M11 re cattail
ff duckweed
su coontail

M12 re cattail
gc jewelweed

S4 ts alder, willow, buttonbush
ls spiraea
ne sedges
gc jewelweed, ferns
ff duckweed

S5 h maple
ts winterberry, saplings, alder, honeysuckle
ls leatherleaf, spiraea
ne grass, sedge
gc marsh St. Johns wort
m sphagnum

S6 h maple
ts willow, winterberry, ~~mountain holly~~ alder
ne grasses
gc ferns, jewelweed, mint, marsh St. Johns wort
iris, bugleweed, white snakeroot.

S7 dh
h maple
ts alder, winterberry, mountain holly
be water arum, arrowhead
ne grasses, sedges
gc ferns, iris, bugleweed
ff duckweed

S8 ts willow, alder
ne grass, sedge
gc

M13 su milfoil
gc loosestrife
ff duckweed

M14 gc jewelweed, sw loosestrife
ff duckweed
su

M15 ne sedge
ts willow
f watershield
su coontail, pondweed

S1 dh
su ~~po~~ coontail

S2 ts willow
is spiraea
re cattail
ne sedge
be smartweed, water arum, beggar ticks
gc ferns, marsh cinquefoil
su coontail, pondweed

S3 dh
ts buttonbush, alder
be beggar tick
gc fern, waterhemlock, marsh cinquefoil
ne grasses
ff duckweed

Bg ds
ts honeysuckle, alder
ls leatherleaf, labrador tea
ne grass
m sphagnum

great blue herons
many mallards
many blue winged teal
American bittern
kingfisher

beaver
marsh wren
deer sign

Aug 27 James Merkley and Harold Merkley gave permission to cross their land.