Investigator(s)		Total Modules		Centerline bearing		**Page**	**of**
Site		Intensive Modules		1° Plant Community			
County		Plot configuration		2° Plant Community			
Date		Total area (ha)		1° and 2° HGM class			

Latitude		mod#	corner#	mod#	corner#	mod#	corner#	mod#	corner#	mod#	corner#	mod#	corner#	mod#	corner#	mod#	corner#	mod#	corner#	mod#	corner#
Longitude																					
Species name	**voucher #**	level	covclass	level	covclass	level	covclass	level	covclass	level	covclass	level	covclass	level	covclass	level	covclass	level	covclass	level	covcla
%open water		1		1		1		1		1		1		1		1		1		1	
%unvegetated open water		1		1		1		1		1		1		1		1		1		1	
%bare ground		1		1		1		1		1		1		1		1		1		1	
%litter cover		1		1		1		1		1		1		1		1		1		1	

Cover Classes

class	% cover
1	solitary/few
2	0-1%
3	1-2%
4	2-5%
5	5-10%
6	10-25%
7	25-50%
8	50-75%
9	75-90%
10	95-99%

Depth (level) Code

quadrat size	quadrat area	code
10x10m	1000m^2	1 (releve)
3.16x3.16m	10m^2	2
1x1m	1m^2	3
0.32x0.32m	0.1m^2	4
0.1x0.1m	0.01m^2	5

Vertical Strata Codes

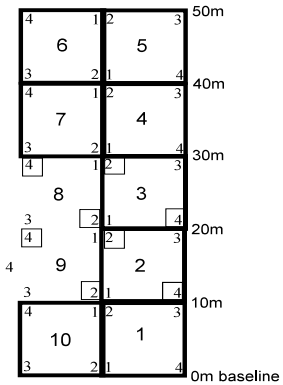
stratum	height	code
herb layer	0-2m	1
shrub/sapling	2-5m	2
pole timber	5-15m	3
tree	15-35m	4
canopy tree	>35	5

Standard plot

nest corners
2-2 2-4
3-2 3-4
8-2 8-4
9-2 9-4

Part 2. Modifiers for dominant vegetation used for each HGM class

	class		community	type
1	Forest	a	Swamp forest	(i) oak-maple, (ii) oak -maple-ash, (iii) maple-ash, (iv) pin oak, (v) pumpkin ash, (vi) mixed forest, (vii) red maple, (viii) white pine, (ix) cottonwood, (x) river birch, (xi) other (specify)
		b	Bog forest	(i) tamarack bog, (ii) tamarack-hardwood bog
		c	Forest seep	(i) skunk cabbage seep, (ii) sedge seep, (iii) skunk cabbage-sedge seep, (iv) other (specify)
2	Shrub	a	Shrub Swamp	(i) buttonbush swamp, (ii) alder swamp, (iii) mixed shrub swamp, (iv) other (specify)
		b	Bog Shrub Swamp	(i) tall shrub bog, (ii) leatherleaf bog
		c	Fen Shrub Swamp	(i) tall shrub fen
3	Emergent	a	Marsh	(i) submergent marsh, (ii) floating-leaved marsh, (iii) mixed emergent marsh, (iv) cattail
		b	Wet meadow	(i) wet prairie, (ii) oak openings sand prairie, (iii) prairie sedge meadow, (iv) fen (v) reed canary grass meadow, (vi) other (specify)
		e	Bog	(i) Sphagnum bog



Wetland Classification System Part 1

	class	subclass
I	Depression	(A) Surface water (B) Ground water
II	Impound-ment	(A) Beaver (B) Human
III	Riverine	(A) Headwater depression (1st, 2nd order) (B) Mainstem depression (3rd or > order) (C) Channel
V	Slope	(A) Headwater (B) Mainstem (C) Isolated (D) Fringing
VI	Fringing	(A) Reservoir (B) Natural lake
VII	B og	(A) Strongly ombrotrophic (B) Moderately ombrotrophic (C) Weakly ombrotrophic
VIII	Coastal	(A) Open embayment (B) Closed embayment (C) Barrier-beach lagoon (D) Drowned river mouth (E) Diked - managed (F) Diked - unmanaged (G) Diked - failed
add code	Mitigation	Add appropriate pre-code to HGM class: mr - mitigation, restoration mc - mitigation, creation e.g. "mrII" = mitigation, restoration, impoundment

Investigator(s)		Total Modules		Centerline bearing	
Site		Intensive Modules		Sub or Super Sample?	
County		Plot configuration		total plot canopy closure%	
Date		Total area (ha)		total plot herbaceous cover%	

Page **of**

mod #	species	%sub or super sample	shrub clumps	1 0 -<1	2 1 -<2.5	3 2.5 -<5	3 5 -<10	5 10 -<15	6 15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	10 35 - <40	11 >40 (record each tree)

DATA SHEET 2 LAST REVISED 12 JUNE 2004 jjm

Cover Classes

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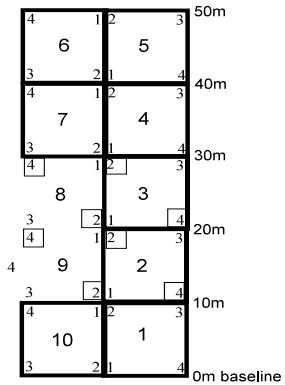

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Investigator(s)	Total Modules		visual estimate entire site %unvegetated open water		**Page of**
Site Name	Intensive Modules		visual estimate entire site of % cover of perennial native hydrophytes		
County	Plot configuration		visual estimate entire site of %invasive species cover		
Date	Total area (ha)				

module	corner	water depth center of intensive modules (cm)	litter depth center of intensive modules (cm)	depth to saturated soil center of intensive modules (cm)	number of tussucks level 3 1x1m count	number of hummocks level 2 3.16x3.16m count	number of macro-topographic depressions* level 1 10x10m count	course woody debris 0-12cm level 1 10x10m count	course woody debris 12-40cm level 1 10x10m (count)	course woody debris >40cm level 1 10x10m (count)	microhabitat interspersion (scale on back) level 1 (rank)

SOIL CHARACTERISTICS IN THE CENTER OF THE PLOT

	matrix color	mottle color	%mottle	oxid. roots	texture*	redox. feat.	hydr. cond.**
5cm				Y N		Y N	
20cm				Y N		Y N	

* LM = loam, SAL = sandy loam, SIL = silty loam, CL = clay, SACL = silty clay loam, C = clay, SAC = sandy clay, SIC = silty clay, P = peat, M = muck, O = other (specify); ** I = inundated, S = saturated, M = moist, D = dry

Parameter	Soil Sample	Water Sample	clip plots	pH	Temp
Collected?	Y N	Y N	Y N	Y N	Y N
Collection time					
If No, reason?*					
List Mod/Corner and/or Location					
Reading					
Calibrated Prior to Reading?					Y N

* pc = previously collected, nw = no water, ns = substrate not sampleable, na = not applicable

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Cover scale for microtopographic habitat features. Select one or select intermediate value.

microtopographic habitat quality	narrative description
0	feature is absent or functionally absent from the wetland
3	feature is present in the wetland in very small amounts or if more common, of low quality
7	feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality
10	present in moderate or greater amounts and of highest quality