



WDNR Southern Sedge Meadow Coarse-level metrics

Version 2.2

Site name: _____ Surveyors: _____ Date: _____
 Property/Management Unit Name: _____ Assessment Area (AA) name: _____ AA acres: _____
 GPS start: _____ GPS end: _____ Attach digital or hand-drawn map of AA.

For each metric, write the corresponding measurement for your assessment area in "Your Obs" column, then enter a letter rank for that metric in the "Letter Rank" column following the ranking guidance.

COMPOSITION METRICS

1) Relative % cover of native wetland sedges and grasses (i.e., ratio of % cover native graminoids to % cover of other vegetation).

A (Excellent)	B (Good)	C (Fair)	D (Poor)	E (Very Poor)	Your obs (e.g., 45%)	Letter rank (A, B, C, D, E)	Notes
>60% (>60:40)	40-60% (40:60 to 60:40)	20-40% (20:80 to 60:40)	5-20% (20:80 to 5:95)	<5% (<5:95)			

2) Total % cover of non-native invasive grasses: reed canary grass (*Phalaris arundinacea*), non-native Phragmites (*Phragmites australis* var. *australis*), tall manna grass (*Glyceria maxima*), etc.




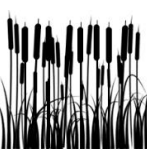

A	B	C	D	E	Your obs	Letter rank	Notes
<1%	1-3%	C: 4-10% C-: 11-30%	31-70%	>70% (see 2b below)			

2b) If non-native grasses metric is E, adjust score up to D if total % cover of tall forbs are at least 10% cover, including asters (*Symphotrichum lanceolatum*, *S. puniceum*, etc.), Joe-pye-weed (*Eutrochium maculatum*), boneset (*Eupatorium perfoliatum*), touch-me-not (*Impatiens capensis*), and giant goldenrod (*Solidago gigantea*). Do not include Canada goldenrod in your estimate.

3) Total % cover of native Phragmites. If unsure if Phragmites in your AA is native or invasive, assume invasive & include in #2 above.

A	B	C	D	E	Your obs	Letter rank	Notes
0-5% AND abundant native plants beneath	6-15% OR, if >15%, abundant native plants beneath	16-30% AND <u>some</u> native species missing or reduced in cover	31-70% AND <u>many</u> native species missing or reduced in cover	>70%, many species missing			

4) Total % cover of native and non-native cattail (*Typha latifolia*, *T. angustifolia*, *T. X glauca*).

A	B	C	D	E	Your obs	Letter rank	Notes
0-5% AND sparse, single stems 	6-15% AND sparse, single stems 	16-30% OR moderately dense patches 	31-70%, very dense patches 	>70%, extensive monocultures 			Images modified from Vecteezy.com

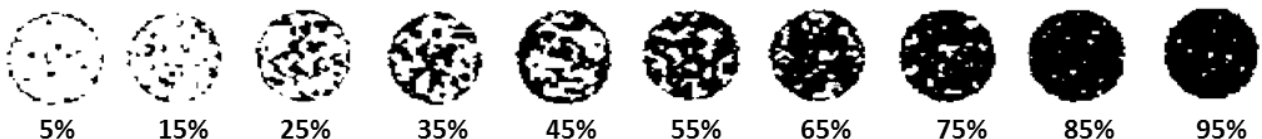
5) Total % cover of disturbance forbs: Canada goldenrod (*Solidago canadensis*), Canada thistle (*Cirsium arvense*), stinging nettle (*Urtica dioica*), purple loosestrife (*Lythrum salicaria*), giant ragweed (*Ambrosia trifida*), etc.

A	B	C	D	E	Your obs	Letter rank	Notes
0-1%	2-5%	6-20%	21-35%	>35%			

Composition subtotal: Take the LOWEST score of metrics 1-5:

Metric #	Letter rank	Notes

Guide to percent cover:



STRUCTURE METRICS

6) Total % cover of non-native invasive shrubs (honeysuckle, common buckthorn, glossy buckthorn, etc.)

A	B	C	D	E	Your obs	Letter rank	Notes
<1%	1-3%	C: 4-10% C-: 11-30%	31-50%	>50%			

7) Total % cover of native shrubs and trees >3ft tall (dogwood, willow, elm, etc.)

A	B	C	D	E	Your obs	Letter rank	Notes
0-10%	10-20%	20-40%	40-70%	>70%			

Structure subtotal: Take the LOWEST score of metrics 6-7:

Metric #	Letter rank	Notes

HYDROLOGY METRICS

8) Are there hydrologic impairments affecting the site? Consider each stressor and check the box if current or historic stressors are affecting the assessment area. Rank the estimated level of impact as low, medium, or high.

Stressor	Currently within AA	Within a buffer of:	Historically within AA	Impact Level (L, M, H)	Notes
Ditch or excavated pond		100m			
Channelized stream		100m			
Effect of berm, dike, road, or RR grade		30-100m			
Mowing, haying, or grazing		-			
Plowing or drain tile		30m			
Sedimentation or legacy sediments		30m			
Nutrient enrichment		30m			
Stormwater/drain tile input		30m			

Hydrology metric subtotal:

- A: None evident
- B: Minimal: 1-2 alterations, all low impact
- C: Moderate: 3-5 of low impact OR 1-2 of moderate impact
- D: Major: 3-5 of moderate impact OR 1 of high impact
- E: Severe: 2+ of high impact OR 1 high impact and 3+ moderate impact

Letter rank	Notes

SUMMARY

Review composition, structure, and hydrology subtotal metrics. Convert to a final score by using the guidance for summary rank:

Metric name	Letter rank	Notes
Composition subtotal		
Structure subtotal		
Hydrology subtotal		
FINAL RANK		

Summary rank:	
Subtotals are:	
A	All As
A-	2 As, 1 B
B	1 A, 2 Bs OR 3 Bs
B-	2 Bs, 1 C
C	1 B, 2 Cs
C-	3 Cs OR 1 C-
D	1 or more Ds
E	1 or more Es

Management recommendations: _____

Guide to percent cover:

