

Mitigation Site Scoring Sheet Revised 5/18/09

Field Investigator(s): _____ Date: _____

Project Name: _____ NT #/ L # _____

Area # _____ Date Project was Completed: _____

Planned wetland types (acres of each): _____

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Complete a form for each area within the larger site. For different vegetative types within a single area, you may want to score them separately.

V. Vegetation:

Actual vegetation type, projected into future (if multiple types, give % of each): _____

Are any species a concern for future success (e.g. invasive spp)? Yes No

If so, which species? _____

List any distinct vegetative communities: _____

Dominant emergent species (estimate % cover of dominants): _____

Dominant tree/shrub species (estimate % cover of dominants):	ht. range of trees/shrubs (ft):	median ht. for each species (ft):

Success of planted species, if known: _____

Comments: _____

Do any species have observed morphological adaptations for occurrence in wetlands? Which ones? _____

Vegetation score:

1. % cover by native wetland species (% cover x .10 = score) (out of 10 pts) _____

2. % cover by non-native species (<5% = 5 pts; 5-10% = 4 pts; 10-15% = 3 pts; >15% = 0 pts) (out of 5 pts) _____

3. Diversity for planned wetland type (out of 5 pts) _____

4. Plant density of planned wetland type (out of 5 pts): _____

Emergent = (% cover native wetland species x .05 = score)

Scrub/shrub or forest: native trees/shrubs ≥ 10 in ht., OBL, FACW, FAC (≥600 = 5 pts; 500-599 = 4 pts; 400-499 = 3pts; 300-399 = 2 pts; 200-299 = 1pts; <200 = 0pts)

5. Achieve expected growth of volunteer/planted species based on age (take into account stress on vegetation) (out of 5 pts; *cannot exceed score from V4*) _____

_____ **Vegetation score (out of 30 points)**

S. Soil:

Is hydric soil present? Yes No

Are any redoximorphic features present in the soil? Describe: _____

Based on hydrology, would you expect hydric soils to develop? Yes No Unclear

Depth of detritus on surface (in.): _____ Other sources of organic matter onsite? _____

Are any impermeable layers of soil present that may limit ground water movement? Yes No Description/depth: _____

Other comments: _____

Soils score:

How much of planned vegetated area has soil that may be limiting vegetative growth/establishment (due to too much clay, gravel, glauconite, or very low organic matter, etc.) or has erosion problems? Describe:

_____ **Soils score (out of 20 points)**

H. Hydrology:

Hydrology source (choose all that apply):

- Perennial watercourse
- Intermittent watercourse
- Floodwater
- Pond/lake
- Surface Runoff
- Groundwater/Perched water table
- Not determined

Hydrologic Connection: Connected Isolated

Is soil surface (check all that apply):

- inundated? % of area: _____ Surface water depth (in.): _____
- saturated? % of area: _____ Depth to water in pit (in.): _____
- moist? % of area: _____
- dry? % of area: _____

List other field evidence of wetland hydrology: _____

Note weather conditions that may have affected hydrology: _____

Note presence of microtopography: _____

Wetland hydrology score (10 pts each):

1. How much of planned vegetated area has wetland hydrology (i.e., not upland but open water is acceptable)?
2. How much of planned vegetated area has wetland hydrology but is unvegetated open water (SAV is not acceptable)? (less water gets a higher score; *cannot exceed the score for HI*)
3. How much of planned vegetated area has wetland hydrology but is too wet (SAV is not acceptable) or too dry to support planned wetland vegetative type? (less area gets a higher score; *cannot exceed the score for HI*)

_____ **Wetland hydrology score (out of 30 points)**

F. Wetland Functional Gains:

Wetland Functions score:

Check all that apply:

Biological functions

- Providing habitat
 - Rare, threatened, or endangered wildlife
 - Rare, threatened, or endangered plants
 - Forest interior dwelling birds
 - Other non-wetland dependent wildlife
 - Reptiles and amphibians
 - Other wetland dependent wildlife
 - Fish and other aquatic wildlife

- Furnishing organic material to the aquatic food webs

Water quality functions

- Filtering sediments, pollutants, and excess nutrients
- Reducing erosion (e.g., streambanks and drainageways)

Hydrologic functions

- Headwater wetland – storing, slowing, or reducing floodwater flow
- Floodwater wetland – storing, slowing, or reducing floodwater flow
- Discharging groundwater
- Recharging groundwater

Human Values

- Providing recreational opportunities
- Providing harvestable natural resources (e.g., timber, fish, forbearing mammals)
- Providing educational opportunities
- Providing aesthetic qualities
- Representing a rare ecosystem

Does the area provide moderate to high functions? (*Score cannot exceed HI x 2. HI/10 x functional score = wetland functional score*).

_____ **Functional score (out of 20 points)**

Bonus score:

Rare species planted in or colonized the site?

_____ **Bonus score (up to 10 bonus points).** If yes, explain: _____

Other:

Other comments (e.g. stressors, deer, beaver, mowing, etc.): _____

Observed faunal species: _____

Remediation actions recommended: _____

Was it built as shown in the plans? Yes No Unclear

If not, how does it differ?

Total score for area: _____

Different areas and different planned vegetative types (FO/SS versus EM) should be scored separately, then combined to get one score for the entire site: Only one site table (below) should be completed.

Area #	Score	Portion of total area	Subscore
Site Total		1.0	

Example of calculations used to get final site score:

Area #	Score	Portion of total area	Subscore
1	90	.20	18
2	95	.40	38
3	30	.20	6
4	100	.10	10
5	90	.10	9
Site Total		1.0	81