

Missouri
Wildlife Habitat Appraisal Guide
Glade Community Model

Applicant(s):

Date:

Farm Number:

Tract Number:

Field Number(s):

County:

Instructions: Answer each of the questions (1 - 9) below by circling the appropriate points for both the existing and planned conditions.

Points if Existing

Points if Planned

Native Herbaceous Ground Cover

(1)	Calculate the percent of the glade covered by native herbaceous - grasses, forbs, legumes, sedges, lichens and mosses (exclude areas of boulder and bedrock).		
	Foliage covers more than 50% of the ground	10	10
	Foliage covers 25 to 50% of the ground	5	5
	Foliage covers less than 25% of the ground. Automatically score below 0.50 if the existing ground flora is greater than 50% non-native herbaceous vegetation.	0	0

Herbaceous Canopy Cover Points

Woody Canopy Coverage

(2)	Consider all trees within the glade area being evaluated		
	Less than 20%	10	10
	20 to 40%	5	5
	Greater than 40%	0	0

Woody Canopy Cover Points

Boulder, Flat rock, and Ledge Habitat

(3)	Common - greater than 25% of area	10	10
	Occasional - 5 to 25% of area	5	5
	Rare - less than 5% of area or if glade is to be cleared with heavy machinery.	0	0

Boulder, Flatrock, and Ledge Habitat Points

Grazing or Haying Pressure

(4)	None, includes periodic burns	10	10
	Light to moderate use (at least 8 to 10" NWWSG winter height), includes periodic burns	5	5
	Heavy Use/All other (no prescribed burning)	0	0

Grazing or Haying Pressure Points

Grassland Composition

(5)	Native grasses (at least 3 species) and forbs/legumes and less than 25% nonnative herbaceous vegetation	10	10
	Native grassland (at least 3 native grasses and native forbs/legumes) but with 25 to 50% nonnative herbaceous vegetation	4	4
	Grassland with greater than 50% nonnative herbaceous vegetation or native grass monotype with less than 10% native forbs or native legumes. Automatically score WHAG below a 0.50 if greater than 50% non-native herbaceous vegetation.	0	0

Grassland Composition Points

Native Forb/Legume Diversity

(6)	More than 40 species	10	10
	21 to 40 species	6	6
	10 to 20 species	4	4
	Less than 10 species	0	0

Desirable Forb/Legume Diversity Points

Managed Glade Size

(7)	Consolidate separate glades when glades occur in complexes and are separated from each other by less than 0.1 mile. Consider only glades currently be managed.		
	More than 30 acres of glade within 640 acres	5	5
	10 to 30 acres of glade within 640 acres	3	3
	Less than 10 acres of glade within 640 acres	0	0

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Associated Savanna/Woodland Community

(8)	Adjacent managed savanna/woodland acreage is greater than the total glade acreage	5	5
	Adjacent managed savanna/woodland acreage is between half the size and the same size of the total glade acreage	3	3
	Adjacent managed savanna/woodland acreage is less than half the size of the total glade acreage	0	0

Associated Savanna/Woodland Community Points

Problem Introduced Species

(9)	Sericea lespedeza, Reed canary grass, Musk thistle, Canada thistle, teasel, spotted knapweed, Japanese or Amur honeysuckle, autumn olive, winter creeper or other non-native, invasive plant species - abundance of one or all non-native invasive species)		
	None	5	5
	Rare to occasional	3	3
	Common to abundant	0	0

Problem Introduced Species Points

Total Points Planned and Existing (Maximum score possible is 75) =

Scoring

(10) Existing Index = Total Existing Points/75 (75 is the maximum possible score)
Total existing points =

Existing Index =

(11) Planned Index = Total Planned Score/75 (75 is the maximum possible score)
Total planned score =

Planned Community Type Index =

Planner:

Date:

Landowner:

Date:

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