

Missouri
Wildlife Habitat Appraisal Guide
Flooded Cropfield Community Model

Applicant(s):**Date:****Farm Number:****Tract Number:****Field Number(s):****County:**

Instructions: Answer each of the questions (1 - 5) below by circling the appropriate points for both the existing and planned conditions. N/A = Not Applicable in the conservation plan. Field(s) on a tract that are not flooded at least 2 of 3 years are not to be ranked with this model.

Points if Existing**Points if Planned**

Surface Water Present During the Dormant Season

(1)	Calculate this factor by considering consecutive days of planned surface water present in a minimum of 2 of 3 years. Dependable artificial water must guarantee surface water for the time period indicated.		
	More than 4 months per year with dependable artificial water or precip driven flooding on D or C soils.	10	10
	3+ to 4 months per year with dependable artificial water or precip driven flooding on D or C soils.	8	8
	2+ to 3 months per year with dependable artificial water or precip driven flooding on D or C soils.	6	6
	1+ to 2 months per year with dependable artificial water or precip driven flooding on D or C soils.	4	4
	2+ months and dependent on precipitation with hydrologic soil groups A or B.	2	2
	<1 month per year with dependable artificial water or precip driven flooding on D or C soils OR <= 2 months and dependent on precipitation with hydrologic soil groups A or B, NOT ELIGIBLE.	0	NA

Surface Water Present Points

Crop Field Management

(2)	Calculate this factor by considering the fall residue remaining until February 15 in at least 2 of 3 crop years		
	100% residue, no fall/winter tillage or burning (rolling rice is not considered tillage)	8	8
	>50% residue	6	6
	26-50% residue	4	4
	10-25% residue or field is burned after harvest	2	2
	<10% residue, Overall WHAG score doesn't meet minimum requirements	0	NA
	Add points for food plots/unharvested grain remaining in the field(s) - minimum 30' wide and 0.25 acre/40ac.	2	2

Crop Field Management Points

Dormant Season Flooding Frequency

(3)	Must flood a minimum of 33% of the field to use this WHAG and to score points		
	Annually with dependable artificial water or precip driven flooding on D or C soils	10	10
	2 out of 3 years with dependable artificial water or precip driven flooding on D or C soils	6	6
	Annually with precipitation driven flooding on A or B soils	4	4
	2 out of 3 years with precipitation driven flooding on A or B soils	2	2
	1 out of 3 years or more infrequent regardless of water source, do not use this model	0	NA

Flooding Frequency Points

Dormant Season Flooded Area Size

(4)	Yearly average size of the flooded area based on full pool elevation		
	More than 80 acres flooded	10	10
	40 to 80 acres flooded	6	6
	20 to 39 acres flooded	4	4
	10 to 19 acres flooded	2	2
	Less than 10 acres flooded	0	0

Flooded Area Size Points

Erosion and Sediment Control

(5)	Stabilizes ephemeral or gully erosion (w/permanent levees, structure and pipe)	5	5
	Temporary levees, rice gates, or structures used to impound water	3	3
	Depressional water storage or overbank flooding only	1	1

Erosion and Sediment Control Points

Total Points Planned and Existing (Maximum score possible is 45) =

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Scoring

(6) Existing Index = Total Existing Points/45 (45 is the maximum possible score)

Total existing points =

Existing Index =

(7) Planned Index = Total Planned Score/45 (45 is the maximum possible score)

Total planned score =

Planned Community Type Index =

Planner:

Date:

Landowner:

Date:

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