MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1	STATE	OKLAHOMA
2	FIELD OFFICE	Antlers, Atoka, Durant, Hugo, Idabel, Tishomingo
3	MLRA	133B
4.	COMMON RESOURCE AREA (CRA)	133B.40.001
5	RESOURCE INTERPRETATIONS	*see Section II FOTG for interpretations*
5.1	SOIL	FOTG, SECTION I - EROSION PREDICTION FOTG, SECTION II - SOIL AND SITE INFORMATION FOTG, SECTION II - SOILS LEGEND FOTG, SECTION II - SOIL DESCRIPTIONS - NONTECHNICAL FOTG, SECTION II - SOIL DESCRIPTIONS - TECHNICAL FOTG, SECTION II - WATER QUANTITY AND QUALITY INTERPRETATIONS FOTG, SECTION II - HYDRIC SOILS INTERPRETATIONS FOTG, SECTION II - PASTURE AND HAYLAND INTERPRETATIONS FOTG, SECTION II - WILDLIFE INTERPRETATIONS FOTG, SECTION III - RESOURCE MANAGEMENT SYSTEMS - SOIL FOTG, SECTION V-A-1 - CONSERVATION EFFECTS - SOIL FOTG, SECTION V-1-2 - EFFECTS FOR GUIDANCE DOCUMENTS
5.2	WATER	FOTG, SECTION I - CLIMATIC DATA FOTG, SECTION II - WATER QUANTITY AND QUALITY INTERPRETATIONS FOTG, SECTION III - RESOURCE MANAGEMENT SYSTEMS - WATER FOTG, SECTION V-A-1 - CONSERVATION EFFECTS - WATER FOTG, SECTION V-A-2 - EFFECTS FOR GUIDANCE DOCUMENTS
5.3	AIR	FOTG, SECTION I - CLIMATIC DATA FOTG, SECTION I - STATE/LOCAL LAWS, ORDINANCES, REGULATIONS FOTG, SECTION III - RESOURCE MANAGEMENT SYSTEMS - AIR FOTG, SECTION V-A-2 - EFFECTS FOR GUIDANCE DOCUMENTS
5.4	PLANT	FOTG, SECTION I - THREATENED AND ENDANGERED SPECIES FOTG, SECTION III - RESOURCE MANAGEMENT SYSTEMS - PLANTS FOTG, SECTION III - RESOURCE MANAGEMENT SYSTEMS - PASTURE
5.5	ANIMAL	FOTG, SECTION I - THREATENED AND ENDANGERED SPECIES FOTG, SECTION II - WILDLIFE INTERPRETATIONS FOTG, SECTION V-A-1 - CONSERVATION EFFECTS - ANIMALS FOTG, SECTION V-A-2 - EFFECTS FOR GUIDANCE DOCUMENTS
5.6	HUMAN	FOTG, SECTION I - CULTURAL RESOURCE INFORMATION FOTG, SECTION V-B-1 - CONSERVATION EFFECTS - PRODUCER EXPERIENCES
6	HYDROLOGIC UNIT	
7	SYSTEM TEMPLATE LABEL	SAJZ1
8	SYSTEM NAME	PASTURE
9	PLANNING PHASE	NON-BENCHMARK
10	PLANNING LEVEL	RMS
11	NRCS LANDUSE	PASTURE

12	PLANNED CONSERVATION PRACTICES	*enter code / name of practice*
	1. 314 - Brush Management 2. 338 - Prescribed Burning 3. 342 - Critical Area Planting 4. 362 - Diversion 5. 378 - Pond 6. 382 - Fencing 7. 391 - Riparian Forest Buffer 8. 394 - Firebreak 9. 410 - Grade Stabilization Structure 10. 512 - Pasture and Hayland Planting	11. 516 - Pipeline 12. 528-A - Prescribed Grazing 13. 574 - Spring Development 14. 580 - Streambank and Shoreline Protection 15. 590 - Nutrient Management 16. 595 - Pest Management 17. 614 - Trough or Tank 18. 642 - Well 19. 644 - Wildlife Wetland Habitat Management 20. 645 - Wildlife Upland Habitat Management

13	SYSTEM NARRATIVE	*describe how the practices work together as a system*
	These areas have been established to bermudagrass, fescue, bahiagrass, or old world bluestem and have anywhere from a poor stand of grass to an excellent stand. Implementation of the nutrient management practice will result in fertilizer being applied according to current soil test recommendations and production goals, with a reduced risk of water resource contamination, and with improved forage production and efficiency. By applying prescribed grazing techniques, in conjunction with nutrient management, livestock numbers and forage needs can be balanced with forage production, which will result in lowered hay and protein supplement requirements and improved plant health, vigor and productivity. By applying herbicides when weeds exceed 3 plants per square foot or when canopy cover of weedy species exceeds 50 percent, significant economic impact on production can be avoided. On areas where livestock water is not adequate or where better grazing distribution is desired, ponds and/or pipelines and troughs or tanks can be installed. All existing ponds, pipelines, troughs, tanks, etc. will be maintained.	

14	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Plants Productivity	1. By applying nutrient management and prescribed grazing practices, plant productivity can be increased significantly in many situations.	1. Forage production will be improved from an average of 3 AUM's/acre/year to 5 AUM's/acre/year (net increase of 2 AUM's/acre/year).
	2. Plants Health and Vigor	2. Proper fertilization and grazing management will improve the health and vigor of the forage plants.	2. Improved plant health and vigor of forage plants.
	3. Nutrient Management	3. Fertilizer will be applied according to current soil test recommendations and production goals. Timing of placement will be such that risk of contamination of water resources will be held to minimum levels.	3. Improved plant production. Improved cost efficiency. Reduced risk of contamination of water resources.
	4. Plant Pests	4. By applying herbicides according to the NRCS pest management standard when weeds exceed 3 plants per square foot or when the weed canopy exceeds a 50 percent cover, significant economic impact from weeds can be avoided.	4. Reduction in weedy pests. Improved forage production.
	5. Domestic Animal Food Requirements	5. Through proper application of fertilizer and by using prescribed grazing techniques, supplemental feeding requirements for livestock should be reduced.	5. Reduction in supplemental feeding. Improved cost efficiency.

	6. Domestic Animal Water Requirements	6. Livestock water requirements can be met by constructing ponds, pipelines, troughs and tanks where needed.	6. Improved water quantity and quality for livestock. Improved livestock performance. Improved grazing distribution.
	7. Wildlife Food Requirements	7. By establishing food plots, leaving strips of native grass and forbs for seed production and protecting riparian areas from damage by livestock, most wildlife food requirements can be met.	7. Increase in wildlife food supply. Subsequent increase in wildlife population.
	8. Wildlife Cover - Shelter	8. Protected riparian areas and native grass strips will provide adequate cover and shelter for wildlife.	8. Improved wildlife cover and shelter.
	9. Animals Population - Resource Balance Management	9. By utilizing prescribed grazing techniques, live-stock numbers and forage requirements can be balanced with forage production.	9. Proper use of forage. Improved cost efficiency. Improved livestock performance.
	10. Animal Health Management	10. Properly managed forage will raise the grazing height of the forage and reduce the potential for livestock to ingest intestinal parasites from ground sources. Controlled burning may also help aid in reducing tick populations. Regularly scheduled preventative treatment will help control disease and parasite occurrences.	10. Improved livestock health. Reduced parasite infestations and disease outbreak.
CRA	**133B.40.001**	**SYSTEM TEMPLATE LABEL** SAJZ1	

15	*** QUALITY CRITERIA DOCUMENTATION** *list resource concerns then indicate yes/no (X)*	
	1. Plants Productivity	_X_YES ___NO
	2. Plants Health and Vigor	_X_YES ___NO
	3. Nutrient Management	_X_YES ___NO
	4. Plant Pests	_X_YES ___NO
	5. Domestic Animal Food Requirements	_X_YES ___NO
	6. Domestic Animal Water Requirements	_X_YES ___NO
	7. Wildlife Food Requirements	_X_YES ___NO
	8. Wildlife Cover - Shelter	_X_YES ___NO
	9. Animals Population - Resource Balance Management	_X_YES ___NO
	10. Animal Health Management	_X_YES ___NO

* Provides an indication that the resource quality criteria will be met.

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office	Antlers, Atoka, Durant, Hugo, Idabel, Tishomingo	MLRA	133B	System Template Label	SAJZ1
Soil Interpretations							

Resource Concerns / Conservation Practices	Plants Productivity	Plants Health and Vigor	Nutrient Management	Plant Pests	Domestic Animal Food Requirements	Domestic Animal Water Requirements	Wildlife Food Requirements	Wildlife Cover - Shelter
314-Brush Management	+ +	+ +	+	+ + +	+ +	-	0	-
338-Prescribed Burning	+ +	+ +	N/A	+ +	+ + +	0	+	-
342-Critical Area Planting	0	0	N/A	0	0	+	+ +	+ + +
362-Diversion	N/A	N/A	N/A	N/A	N/A	+ +	N/A	N/A
378-Pond	+	+	N/A	0	+ +	+ + +	+	N/A
382-Fencing	F+	F+	F+	F+	F+ +	F+ + +	F+ + +	F+ + +
391-Riparian Forest Buffer	0	0	+ + +	0	0	+ +	+ + +	+ + +
394-Firebreak	F	F	N/A	F	+	N/A	+ +	+
410-Grade Stabilization Structure	+	+	N/A	0	+ +	+ + +	+	N/A
512-Pasture & Hayland Planting	+ + +	+ + +	+ +	+ + +	+ + +	0	-	--
516-Pipeline	F	F	N/A	N/A	+ +	+ + +	+	N/A
528A-Prescribed Grazing	+ + +	+ + +	+ + +	+ +	+ + +	+	+	+
574-Spring Development	F	F	N/A	N/A	+ +	+ + +	+	N/A

RATINGS:

Not Applicable	=	N/A	Slight	=	+ or -
Negligible	=	0	Moderate	=	+ + or --
Facilitating	=	F	Significant	=	+ + + or ---

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office	Antlers, Atoka, Durant, Hugo, Idabel, Tishomingo	MLRA	133B	System Template Label	SAJZ1
Soil Interpretations							

Resource Concerns / Conservation Practices	Animals Population - Resource Balance Management	Animal Health Management						
314-Brush Management	+ +	+ +						
338-Prescribed Burning	+ + +	+ + +						
342-Critical Area Planting	+	+						
362-Diversion	N/A	N/A						
378-Pond	+ + +	+ + +						
382-Fencing	F+ + +	+ +						
391-Riparian Forest Buffer	0	+ +						
394-Firebreak	0	F+ + +						
410-Grade Stabilization Structure	F+ +	+ +						
512-Pasture & Hayland Planting	+ + +	+ + +						
516-Pipeline	F+ + +	F+ + +						
528A-Prescribed Grazing	+ + +	+ + +						
574-Spring Development	F+ +	+ + +						

RATINGS:

Not Applicable	=	N/A	Slight	=	+ or -
Negligible	=	0	Moderate	=	+ + or --
Facilitating	=	F	Significant	=	+ + + or ---

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office	Antlers, Atoka, Durant, Hugo, Idabel, Tishomingo	MLRA	133B	System Template Label	SAJZ1
Soil Interpretations							

Resource Concerns / Conservation Practices	Plants Productivity	Plants Health and Vigor	Nutrient Management	Plant Pests	Domestic Animal Food Requirements	Domestic Animal Water Requirements	Wildlife Food Requirements	Wildlife Cover - Shelter
580-Streambank & Shoreline Prot.	0	0	+ +	0	0	+ +	+ + +	+ + +
590-Nutrient Management	+ + +	+ + +	+ + +	+ +	+ + +	+	+	0
595-Pest Management	+ + +	+ + +	N/A	+ + +	+ + +	-	-	-
614-Trough or Tank	+	+	N/A	N/A	+	+ + +	+	N/A
642-Well	+	+	N/A	N/A	+	+ + +	+	N/A
644-Wildlife Wetland Habitat Mgt.	0	0	+	0	0	+	+ + +	+ + +
645-Wildlife Upland Habitat Mgt.	0	0	+	-	0	0	+ + +	+ + +

RATINGS:

Not Applicable	=	N/A	Slight	=	+ or -
Negligible	=	0	Moderate	=	+ + or --
Facilitating	=	F	Significant	=	+ + + or ---

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office	Antlers, Atoka, Durant, Hugo, Idabel, Tishomingo	MLRA	133B	System Template Label	SAJZ1
Soil Interpretations							

Resource Concerns / Conservation Practices	Animals Population - Resource Balance Management	Animal Health Management						
580-Streambank & Shoreline Prot.	0	+ +						
590-Nutrient Management	+ + +	+ + +						
595-Pest Management	+ + +	+						
614-Trough or Tank	F + + +	+ + +						
642-Well	F + + +	+ + +						
644-Wildlife Wetland Habitat Mgt.	0	0						
645-Wildlife Upland Habitat Mgt.	0	0						

RATINGS:

Not Applicable	=	N/A	Slight	=	+ or -
Negligible	=	0	Moderate	=	+ + or --
Facilitating	=	F	Significant	=	+ + + or ---