

MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma		
2.	FIELD OFFICE	Pawhuska & Newkirk		
3.	MLRA	76		
4.	COMMON RESOURCE AREA (CRA)	0076.40.001		
5.	RESOURCE INTERPRETATIONS	<i>for each resource enter available interp data</i>		
5.1	SOIL	Soils Legend, Technical/Non-Technical Soils Interpretations		
5.2	WATER	Water Quantity and Quality Interpretations/Water Budgets		
5.3	AIR			
5.4	PLANT	Pastureland Interpretations		
5.5	ANIMAL	Threatened & Endangered Species List, Wildlife Interpretations		
5.6	HUMAN			
6.	HYDROLOGIC UNIT			
7.	SYSTEM TEMPLATE LABEL	BAJZB		
8.	SYSTEM NAME	(76) Bermudagrass &/or Old World bluestems - Grazing Mgmt.		
9.	PLANNING PHASE	Non-benchmark		
10.	PLANNING LEVEL	RMS		
11.	NRCS LANDUSE	Pasture		
12.	PLANNED CONSERVATION PRACTICES	<i>list practices in the system</i>		
		1. (342) Critical Area Planting 2. (382) Fencing 3. (338) Prescribed Burning 4. (528A) Prescribed Grazing 5. (362) Diversion 6. (410) Grade Stabilization Structure	7. (614) Trough or Tank 8. (590) Nutrient Management 9. (595) Pest Management 10. (516) Pipeline for Livestock 11. (378) Pond 12. (394) Firebreak	
13.	SYSTEM NARRATIVE	<i>describe how the practices work together as a system</i>		
		<p>This system includes management of existing bermudagrass and/or old world bluestems on soils varying in depth, texture and slope. Prescribed grazing (facilitated by fencing and water facilities), critical area planting, diversions and/or grade stabilization structures will aid in control of gully erosion. Reduced sediment from erosion control will also reduce flood hazard due to improved stream capacity. Livestock water needs will be met with installation of necessary watering facilities. Prescribed grazing (facilitated by fencing, watering facilities and prescribed burning), nutrient management and pest management will result in a reduction in pests, proper stocking and improved plant production, health and vigor. Prescribed burning will produce short term air quality, health and safety concerns due to smoke.</p>		
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS	
	1. Soil-Erosion-Gully 2. Water-Quantity-Flooding 3. Water-Quant.-Convey. 4. Plants-Mgmt.-For. Prod. 5. Plants-Cond.-Hlth/Vigor 6. Plants-Mgmt.-Nutrient 7. Plants-Management-Pests 8. Animal-Habitat-Water 9. Animal-Mgmt.-P/R Bal. 10. Air-Quality-Smoke	1. 0 Tons/year 2. Improved stream cap. 3. Impr. stream cap. 4. Inc. prod. (83% potential) 5. Imp. health & vigor 6. Proper application. 7. Weeds contr. (<10% comp.) 8. Incr. H ₂ O (100% of need) 9. 6 AUM/Ac/Yr 10. Short term adverse effect	1. 50 T/Yr soil saved 2. Reduced damage/prod. losses 3. Reduced flooding 4. 13% Incr. potential prod. 5. Imp. growth & quality 6. Prod./plant needs met 7. Red. comp. (15% red. comp.) 8. Prop. dist. (100% increase) 9. 1 AUM/Ac/Yr improvement 10. Minimized short term impact	

Conservation Management Systems
 Certification of Quality Criteria

0076.40.001
 BAJ2A
 BAJ2B

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
SOIL						
Erosion						
Sheet and rill			N/A			
Wind			N/A			
Irrigation induced			N/A			
Concentrated flow						
Cropland ephemeral gully			N/A			
Classic gully				✓		
Soil mass movement			✓			
Roadbank and construction sites			N/A			
Streambank erosion			✓			
Condition						
Tilth			N/A			
Compaction			N/A			
Soil contaminants			✓			
Deposition (Onsite & Offsite)						
Damage			✓			
Safety			✓			
WATER						
Quantity						
Seeps			✓			
Flooding				✓		
Subsurface water			✓			
Restricted capacity			✓			
Conveyance				✓		
Inadequate outlets			✓			
Restricted capacity, water bodies			✓			
Water management--irrigated			N/A			
Water management--non-irrigated			N/A			
Quality						
Contaminants			✓			
Aquatic habitat suitability			✓			
AIR						
Quality						
Sediment			✓			
Smoke				✓ (A)		
Chemical drift			✓			
Odors			✓			
Fungi			✓			
Molds			✓			
Pollen			✓			
Condition						
Temperature			✓			
Air movement			✓			
Humidity			✓			

(A) After treatment

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
PLANTS						
Suitability						
Adapted to site			✓			
Intended use			✓			
Condition						
Productivity				✓		
Health and vigor				✓		
Management						
Establishment			✓			
Growth			✓			
Harvest			✓			
Nutrient management				✓		
Pests				✓		
Threatened and endangered species			✓			
ANIMALS(domestic/wildlife)						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water <i>Domestic Animal Requirements</i>				✓		
Threatened and endangered species			✓			
Management						
Population and Resource Balance				✓		
Animal Health			✓			

References:
 NPPH Pages 75-78
 FOTG Section III - Quality Criteria
 GM -450 Part 401 Paragraph 401.03

0076.40.001

BA12A
BA52B

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office	MIRA	76	Candidate Practice List									
Soil Interpretations	Resource Concerns	SOIL Erosion Gully	WATER Quantity Flooding	WATER Quantity Convoy. Cap.	PLANTS Management For. Prod.	PLANTS Condition High & Vigor	PLANTS Management Nutrient	PLANTS Management Pests	ANIMAL Habitat Dom. Abate.	ANIMAL Management Pop./Res. Bal.	AIR Quality Smoke (stk)			
342		+	+	+	+	+	+	0	0	0	0			
382		+	0	0	+	+	N/A	0	+	+	0			
* 338		(-)	(-)	0	+	+	0	+	N/A	+	-			
528A		+	+	+	+	+	N/A	+	-	+	0			
362		+	+	0	+	(-)	N/A	+	+	0	0			
* 410		+	+	+	0	0	0	0	+	0	0			
* 614		0	0	0	0	+	0	0	+	+	0			
* 590		0	0	0	+	+	+	0	+	+	0			
* 595		0	0	0	+	+	0	+	+	+	0			
* 516		0	0	0	0	+	0	0	+	+	0			
378		+	+	0	+	+	N/A	0	+	+	0			
* 394		0	0	0	0	0	N/A	0	0	+	N/A			