

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	Rangeland Interpretations		
5.5	ANIMAL	Threatened & Endangered Species List, Wildlife Interpretations		
5.6	HUMAN			
6.	HYDROLOGIC UNIT			
7.	SYSTEM TEMPLATE LABEL	BADZD		
8.	SYSTEM NAME	(76) Native Grass - Continuous Stocking		
9.	PLANNING PHASE	Non-benchmark		
10.	PLANNING LEVEL	RMS		
11.	NRCS LANDUSE	Grazed range		
12.	PLANNED CONSERVATION PRACTICES	<i>list practices in the system</i>		
		<ol style="list-style-type: none"> 1. (342) Critical Area Planting 2. (382) Fencing 3. (338) Prescribed Burning 4. (528A) Prescribed Grazing 5. (614) Trough or Tank 6. (595) Pest Management 7. (516) Pipeline for Livestock 8. (378) Pond 	<ol style="list-style-type: none"> 9. (410) Grade Stabilization Structure 10. (362) Diversion 11. (610) Toxic Salt Reduction 12. (314) Brush Management 13. (394) Firebreak 14. (393) Filter Strip 15. (391) Riparian Forest Buffer 	
13.	SYSTEM NARRATIVE	<i>describe how the practices work together as a system</i>		
		<p>This system includes native tall and mid-grasses on soils varying in depth, texture and slope developed over limestone. Prescribed grazing (facilitated by fencing and water facilities), filter strips, riparian forest buffers, critical area planting, toxic salt reduction, diversions and/or grade stabilization structures will aid in control of gully and oilfield induced erosion. Reduced sediment from erosion control will 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), brush management and pest management will result in pest reduction (trees, brush and weeds), 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	
	<ol style="list-style-type: none"> 1. Soil-Erosion-Gully 2. Soil-Cond.-Exc. Chem. 3. Water-Quant.-Flooding 4. Water-Quant.-Convey. 5. Plants-Cond.-Hlth/Vigor 6. Plants-Mgmt.-Pests 7. Anim.-Hab.-Dom. Water 8. Air-Quality-Smoke 	<ol style="list-style-type: none"> 1. 0 T/Yr soil loss 2. Reduced toxic salts/erosion 3. Improved stream cap. 4. Impr. stream cap. 5. Impr. health & vigor 6. Red. pests (<10% canopy) 7. Improved water access 8. Short term safety & health 	<ol style="list-style-type: none"> 1. 50 T/Yr soil saved 2. Increased production 3. Reduced damage/prod. losses 4. Reduced flooding 5. Increased production/cover 6. Red. comp./15% canopy red. 7. Proper distribution 8. Net long term impacts 	

Conservation Management Systems

0076.40.001

Certification of Quality Criteria

BADZC

BADZD

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			N/A			
Growth			✓			
Harvest			✓			
Nutrient management			N/A			
Pests				✓		
Threatened and endangered species			✓			
ANIMALS(domestic/wildlife)						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water <small>Domestic Animal Requirements</small>				✓		
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
 BAD2C
 BAD2D

Conservation Practice Physical Effects on Resource Concerns
 Candidate Practice List

State	Oklahoma	Field Office	MIRA	76								
Soil Interpretations					WATER	WATER	PLANTS	PLANTS	ANIMAL	AIR		
Resource Concerns	Soil Erosion	Soil Condition	Quantity Flooding	Quantity Convoy. Cap.	Cond. Hilt. With Vigor	Management Pests	Habitat Dam. Water	Quality Smoke (S&H)				
342	+	N/A	+	+	+	0	0	N/A				
382	+	+	0	0	+	0	+	N/A				
* 338	(-)	0	(-)	0	+	+	0	-				
528A	+	0	+	+	+	+	+	N/A				
* 614	0	0	0	0	0	0	+	N/A				
* 595	0	0	0	0	+	+	+	N/A				
* 516	0	0	0	0	0	0	+	N/A				
378	+	N/A	+	0	0	0	+	N/A				
* 410	+	0	+	+	N/A	0	+	N/A				
362	+	0	+	0	0	0	0	N/A				
* 610	+	+	0	+	+	0	0	N/A				
314	+	+	+	+	+	+	+	N/A				
* 394	0	0	N/A	N/A	0	0	0	N/A				
393	0	0	N/A	+	0	0	0	N/A				
* 391	+	0	0	+	0	0	0	N/A				

* Not in FOTG Sec. V
 (-) Short term negative effect