

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Cheyenne - Roger Mills County
3.	MLRA	78C
4.	COMMON RESOURCE AREA (CRA)	078C.40.007
5.	RESOURCE INTERPRETATIONS	
5.1	SOIL	Soil Legends, Technical/Non-Technical Soils Interpretations
5.2	WATER	Water Quantity and Quality Interpretations
5.3	AIR	
5.4	PLANT	Rangeland Interpretations
5.5	ANIMAL	Threatened and Endangered Species List; Wildlife Interpretations
5.6	HUMAN	
6.	HYDROLOGIC UNIT	11130301-020, 030, 040, 050, 060, 070, 080, 090, 100, 110; 11120302-040, 030; 11120301-016; 11120302-026
7.	SYSTEM TEMPLATE LABEL	FGDZA
8.	SYSTEM NAME	Loamy Uplands
9.	PLANNING PHASE	Benchmark
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Grazed Range
12.	EXISTING CONSERVATION PRACTICES	
		<ol style="list-style-type: none"> 1. Trough or Tank (614) 2. Well (642) 3. 4. 5.
13.	SYSTEM NARRATIVE	<p>This system consists of native grasses, forbs, and trees on moderate to steep loamy upland soils, used exclusively for livestock production. The major ecological sites in this area are Loamy Prairie and Shallow Prairie. Concentrated flow of water over grazed pastures creates gullies with verticle headcuts. Continuous grazing and overstocking also reduces quality and quantity of forage and increases runoff. A general lack of livestock watering facilities creates problems of grazing distribution. Eastern red cedar is a prolific invader in overgrazed areas within this system.</p>
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> 1. Soil - Erosion - Classic gullies 2. Plants - Condition - Health/Vigor 3. Plants - Condition - Productivity 4. Plants - Mngmt - Pests 5. Animal - Habitat - Domestic Water 6. Animal - Mgt - Population/Res. Bal 7. 8. 9. 10. 	<ol style="list-style-type: none"> 1. 50 tons/yr soil loss 2. Reduction of plant vigor 3. 1750 lb./ac forage prod. 4. Eastern redcedar 30% canopy 5. Inadequate facilities 6. Overgrazing common 7. 8. 9. 10.

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effects		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
SOIL						
Erosion						
Sheet and rill			✓			
Wind			✓			
Irrigation induced			✓			
Concentrated flow						
Cropland ephemeral gully			✓			
Classic gully				✓		
Soil mass movement			✓			
Roadbank and construction sites			✓			
Streambank erosion			✓			
Condition						
Tilth			✓			
Compaction			✓			
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			✓			
Water management--non-irrigated			✓			
Quality						
Contaminants			✓			
Aquatic habitat suitability			✓			
AIR						
Quality						
Sediment			✓			
Smoke			✓			
Chemical drift			✓			
Odors			✓			
Fungi			✓			
Molds			✓			
Pollen			✓			
Condition						
Temperature			✓			
Air movement			✓			
Humidity			✓			

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Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effects		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						
Habitat						
Food			✓			
Cover/Shelter			✓			
Water				✓		
Management						
Population and Resource Balance				✓		
Animal Health			✓			

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