

## MANAGEMENT SYSTEM TEMPLATE

### A. BENCHMARK SYSTEM WORKSHEET

1.	<b>STATE</b>	Oklahoma	
2.	<b>FIELD OFFICE</b>	Fairview - Major County	
3.	<b>MLRA</b>	80A	
4.	<b>COMMON RESOURCE AREA (CRA)</b>	080A.40.005	
5.	<b>RESOURCE INTERPRETATIONS</b>		
5.1	<b>SOIL</b>	Soil Legends, Technical/Non-Technical Soils Interpretations	
5.2	<b>WATER</b>	Water Quantity and Quality Interpretations	
5.3	<b>AIR</b>		
5.4	<b>PLANT</b>	Pastureland and Hayland Interpretations	
5.5	<b>ANIMAL</b>	Threatened and Endangered Species List	
5.6	<b>HUMAN</b>		
6.	<b>HYDROLOGIC UNIT</b>	11050001-090; 11050002-010, 020	
7.	<b>SYSTEM TEMPLATE LABEL</b>	GEJZA	
8.	<b>SYSTEM NAME</b>	Cimarron Flats	
9.	<b>PLANNING PHASE</b>	Benchmark	
10.	<b>PLANNING LEVEL</b>	N/A	
11.	<b>NRCS LANDUSE</b>	Pasture	
12.	<b>EXISTING CONSERVATION PRACTICES</b>		
	1.	Pasture and Hayland Planting (512)	
	2.		
	3.		
	4.		
	5.		
13.	<b>SYSTEM NARRATIVE</b>		
	<p>This system includes primarily Bermudagrass and Old World bluestem on shallow to deep, loamy bottomland soils. Streambank and scour erosion, as a result of frequent flooding, occur adjacent to rivers and streams. Gully erosion is common on shallow and/or poorly vegetated soils. Fertilizers and herbicides when used, are applied without determining plant needs for desired production and pest economic thresholds. Livestock utilizing the grazing resource include cow/calf and stocker calves. Grazing occurs with no consideration to forage production and livestock numbers, resulting in weak stands with low production. Grazing distribution is poor due to inadequate water facilities, fencing, and forage considerations. Root development of the grasses is reduced by compacted sub-surface soil layers caused by farming methods before grass planting.</p>		
14.	<b>RESOURCE CONCERNS</b>		<b>MAGNITUDE/EFFECTS</b>
	1.	Soil - Erosion - Classic gullies	1. 15 Tons/yr soil loss
	2.	Soil - Erosion - Streambank	2. Mass soil loss
	3.	Soil - Condition - Compaction	3. Poor roots/infiltration
	4.	Water - Quant. - Flooding	4. Creates gullies
	5.	Plants - Condition - Productivity	5. 2000 lb/ac
	6.	Plants - Condition - Health/Vigor	6. Decreased quality
	7.	Plants - Mgt. - Est/Growth/Harvest	7. Weakened growth
	8.	Plants - Mgt. - Nutrient	8. Low fertility
	9.	Plants - Mgt. - Pests	9. Poor control methods
	10.	Animals - Habitat - Water	10. Inadequate facilities
	11.	Animals - Mgt. - Pop./Res. Balance	11. Poor grazing dispersal

**Conservation Management Systems**

**Certification of Quality Criteria**

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

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