

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Alva - Woods County	
3.	MLRA	80A	
4.	COMMON RESOURCE AREA (CRA)	080A.40.003	
5.	RESOURCE INTERPRETATIONS		
5.1	SOIL	Soils Legends; Technical & Non-Technical Soils Interpretations	
5.2	WATER	Water Quantity & 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	11060003-065; 11060002-035; 11050001-100	
7.	SYSTEM TEMPLATE LABEL	GCJZA	
8.	SYSTEM NAME	Sandy Land	
9.	PLANNING PHASE	BENCHMARK	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	Pasture	
12.	EXISTING CONSERVATION PRACTICES		
	1.	Pasture & Hayland Planting (512)	
	2.		
	3.		
	4.		
	5.		
13.	SYSTEM NARRATIVE		
	<p>This system includes established Bermudagrass and/or Weeping lovegrass on rolling, deep sandy soils. Streambank erosion, as a result of frequent flooding, occurs adjacent to rivers and streams. Soil tests and/or production goals are seldom used in determining fertilizer needs or stocking rates. Resulting plant growth is of low vigor and poor quality. Livestock utilizing the grazing resource include cow/calf and stocker calves. Overgrazing of the pastures is common. Existing livestock water facilities are inadequate to meet future grazing management needs. Eastern redcedar and various weeds become a problem when pastures are over grazed.</p>		
14.	RESOURCE CONCERNS		MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> 1. Soil - Erosion - Streambank 2. Water - Quantity - Flooding 3. Plant - Condition - Productivity 4. Plant - Condition - Health & Vigor 5. Plant - Management - Nutrient 6. Plant - Management - Pest 7. Animal - Habitat - Water 8. Animal - Mgmt - Pop./Res. Balance 		<ol style="list-style-type: none"> 1. Soil loss 50 Tons/Yr. 2. Damage/lost production 3. 70% potential production 4. Low plant health & vigor 5. Improper application of fertilizers 6. Eastern redcedar (> 25% canopy) 7. 50% needed water storage 8. 5 AUM's/Ac/Yr

Conservation Management Systems

080A.40.003

Certification of Quality Criteria

GCT2A
GCT2B

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 (Forage)				✓		
Health and vigor				✓		
Management						
Establishment			✓			
Growth			✓			
Harvest			✓			
Nutrient management				✓		
Pests				✓		
Threatened and endangered species			✓			
ANIMALS(domestic/wildlife)						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water				✓		
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