MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Watonga - Blaine 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	11050002-020, 050, 070, 100; 11100301-040, 050
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

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.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	1. Soil - Erosion - Streambank	1. Soil loss 50 Tons/Yr.
	2. Water - Quantity - Flooding	2. Damage/lost production
	3. Plant - Condition - Productivity	3. 70% potential production
	4. Plant - Condition - Health & Vigor	4. Low plant health & vigor
	5. Plant - Management - Nutrient	5. Improper application of fertilizers
	6. Plant - Management - Pest	6. Eastern redcedar (>25% canopy)
	7. Animal - Habitat - Water	7. 50% needed water storage
	8. Animal - Mgmt - Pop./Res. Balance	8. 5 AUM's/Ac/Yr

Conservation Management Systems 080A.40.003

Certification of Quality Criteria GCJ2A GCJ2B

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