

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Taloga - Dewey County	
3.	MLRA	78C	
4.	COMMON RESOURCE AREA (CRA)	078C.40.008	
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	Pastureland and Hayland Interpretations	
5.5	ANIMAL	Threatened and Endangered Species List	
5.6	HUMAN		
6.	HYDROLOGIC UNIT		
7.	SYSTEM TEMPLATE LABEL	FHJZA	
8.	SYSTEM NAME	Sandy Deposits	
9.	PLANNING PHASE	Benchmark	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	Pasture	
12.	EXISTING CONSERVATION PRACTICES		
	<ol style="list-style-type: none"> 1. Pasture and Hayland Planting (512) 2. Trough or Tanks (614) 3. Wells (642) 4. 5. 		
13.	SYSTEM NARRATIVE		
	<p>This system consists of introduced grasses (Weeping lovegrass and Crabgrass), planted on deep sandy upland soils, used for livestock production. Many pastures have been improved by land clearing of the Shinnery oak. After the land has been cleared, areas have been re-seeded. Production of these areas can be high. Grass stands need fertilizer and weed control. Low fertility is the principal management problem. There is a high potential for leaching of contaminants into the groundwater, due to the sandy texture of the soil. Overgrazing of the pastures is common, which reduces the health and vigor of the grasses.</p>		
14.	RESOURCE CONCERNS		MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> 1. Water - Quality - Groundwater 2. Plants - Condition - Health/Vigor 3. Plants - Mngmt. - Est/Growth/Harv. 4. Plants - Mngmt. - Nutrient 5. Plant - Mngmt. - Pest 6. Animals - Mngmt. - Pop/Res. Bal. 7. 8. 9. 10. 		<ol style="list-style-type: none"> 1. Potential for G.W. contamin. 2. Poor forage quality 3. Poor grazing distribution 4. Low fertility 5. Reduced production - 50% 6. Improper stocking rates 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			✓			

Conservation Management Systems

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