

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Buffalo - Harper County	
3.	MLRA	78C	
4.	COMMON RESOURCE AREA (CRA)	078C.40.002	
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	11040008-014, 034; 11050001-010, 025	
7.	SYSTEM TEMPLATE LABEL	FBJKA	
8.	SYSTEM NAME	78C - Rolling Uplands	
9.	PLANNING PHASE	Benchmark	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	Pasture	
12.	EXISTING CONSERVATION PRACTICES		
		<ol style="list-style-type: none"> 1. Diversions (362) 2. Pasture Planting (512) 3. Terraces (600) 4. 5. 	
13.	SYSTEM NARRATIVE	<p>This system consists of introduced pasture grass (almost exclusively of Old world bluestems) that have been planted for increased forage production on old cropland fields. The previous cropping history has left the soil with compaction problems which reduce plant growth. Grazing has been deferred on a majority of the fields because of enrollment in the Conservation Reserve Program. Soils are moderately deep to deep and sloping which explains the existence of terraces or diversion terraces on a majority of the acreage. High intensity rainfall events can cause rapid flooding which creates damage to the land. This acreage has a history of fertilization but presently, for the most part, has no yearly fertilization program. Moisture conditions are extremely critical to total forage production. Economic conditions over the past several years have restricted the degree and extent of management being done with these improved grasses which has lowered plant health, vigor and productivity. Livestock water is supplied by ponds and tanks but distribution is inadequate to support rotational grazing systems.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> 1. Soil - Condition - Compaction 2. Water - Quantity - Flooding 3. Air - Quality - Smoke 4. Plant - Condition - Productivity 5. Plant - Condition - Health/Vigor 6. Plant - Mngmt. - Est/Growth/Harv. 7. Plant - Mngmt. - Nutrient 8. Animals - Habitat - Domes. Food 9. Animals - Habitat - Domes. Water 10. Animals - Mngmt. - Pop./Res. Bal. 	<ol style="list-style-type: none"> 1. Reduced production 2. Creates gullies 3. Human Safety/Health 4. 2000#/Ac. forage production 5. Decreased production 6. Reduction of plant vigor 7. Undercover utilization 8. Limited forage availability 9. Lack of adeq. livestock water 10. Poor grazing dispersal 	

ROLLING UPLANDS -
PASTURE

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effect		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 Effect		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(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