MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Buffalo - Harper County
3.	MLRA	77E
4.	COMMON RESOURCE AREA (CRA)	077E.40.003
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	ECJKA
8.	SYSTEM NAME	Rolling Plains
9.	PLANNING PHASE	Benchmark
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Pasture
12.	EXISTING CONSERVATION PRACTICES	

1. Diversion Terraces (362)
2. Pasture Planting (512)
3. Terraces (600)
4.
5.

13. SYSTEM NARRATIVE

This system consists of an improved pasture grass, Old world bluestem, that has been planted for increased forage production on old cropland fields. The previous cropping history has created soil compaction problems which reduce the plants ability to produce at maximum levels. Soils are moderately deep and sloping which explains the existence of terraces or diversion terraces. This acreage has a history of fertilization but presently has no yearly fertilization program. Moisture conditions are extremely critical to total forage production. Localized, high intensity rainfall events can cause serious flooding and erosion problems to unprotected fields. Continuous overgrazing is common which, reduces plant productivity and requires higher levels of supplemental feeding. Lack of adequate livestock watering facilities prohibits the use of rotational grazing systems.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	1. Soil - Condition - Compaction	1. Reduced production
	2. Water - Quant. - Flooding	2. Creates gullies
	3. Air - Quality - Smoke	3. Human safety - health
	4. Plant - Condition - Productivity	4. 2000#/ac. forage production
	5. Plant - Condition - Health & Vigor	5. Decreased production
	6. Plant - Mngmt. - Est./Growth/Harvest	6. Reduction of plant vigor
	7. Plant - Mngmt. - Nutrient	7. Under/over utilization
	8. Animals - Habitat - Food	8. Limited forage availability
	9. Animals - Habitat - Water	9. Lack of adequate livestock watering
	10. Animals - Mngmt. - Pop. & Res. Bal.	10. Poor grazing dispersal

ROLLING PLAINS - 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						

ROLLING PLAINS - PASTURE

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