MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Fairview - Major County
3.	MLRA	78C
4.	COMMON RESOURCE AREA (CRA)	078C.40.006
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	11050001-080, 090
7.	SYSTEM TEMPLATE LABEL	FFJKA
8.	SYSTEM NAME	Sandstone Breaks
9.	PLANNING PHASE	Benchmark
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Pasture
12.	EXISTING CONSERVATION PRACTICES	

1. Pasture and Hayland Planting (512)
2.
3.
4.
5.

13. SYSTEM NARRATIVE

This system consists of introduced grasses, Old world bluestem, on shallow to moderately deep, eroded sandy loam soils with moderate to strong slopes, underlain by sandstone. These fields were previously cropped before pasture planting, with no conservation practices installed. Fertility is low due to absence of prior fertility programs. Cow/calf and stocker calves are primary users of the resource. Plow furrows from previous tillage practices have induced severe gully erosion. Utilization and forage production of the grass is poor due to inadequate water facilities, grazing methods, and fertility program. Continued abuse invites the invasion of Eastern red cedar decreasing forage production significantly.

14. RESOURCE CONCERNS	MAGNITUDE/EFFECTS
1. Soil - Erosion - Gullies	1. Soil loss 15 tons/yr
2. Plants - Cond - Productivity	2. Forage prod. 2000 lbs/ac
3. Plants - Cond - Health/Vigor	3. Low forage quality
4. Plants - Mngmt - Nutrient	4. Low fertility
5. Plants - Mngmt - Pests	5. Eastern redcedar invasion
6. Animals - Habitat - Dom. Water	6. Inadequate facilities
7. Animals - Mngmt - Pop/Res Bal.	7. Poor utilization
8.	8.
9.	9.
10.	10.

SANDSTONE BREAKS 78C
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