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.40.026
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	Rangeland Interpretations
5.5	ANIMAL	Threatened and Endangered Species List; Wildlife Interpretations
5.6	HUMAN	
6.	HYDROLOGIC UNIT	
7.	SYSTEM TEMPLATE LABEL	FZDZA
8.	SYSTEM NAME	Rough Broken Land
9.	PLANNING PHASE	Benchmark
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Grazed Range
12.	EXISTING CONSERVATION PRACTICES	

1. Diversions (362)
2. Pond (378)
3. Livestock Pipeline (516)
4. Trough or Tank (614)
5. Wells (642)

13. SYSTEM NARRATIVE

This system consists of perennial native grasses predominantly consisting of a Blue grama/Buffalograss complex. There is also some additional acreage on extreme slopes and breaks where tall to mid-grass species such as Little bluestem and Sideoats grama are in abundance. All acreage included in this system is used almost exclusively for cattle production with some wildlife emphasis. Topography is strongly sloping to steep and erosion control practices are needed to control gully erosion, especially following flooding from high intensity rainfall events. Soils are generally shallow in depth and low in natural fertility. A history of continuous grazing has lowered plant health and vigor and reduced potential grassland productivity. Livestock watering facilities are inadequate to promote proper grazing distribution. Eastern redcedar is a major undesirable brush species that is a major problem in this system. Extreme temperatures can result in poor livestock health and performance when adequate shelter is not provided.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
1.	Soil - Erosion - Classic gullies	100 tons/yr
2.	Water - Quantity - Flooding	Creates gullies
3.	Plants - Condition - Productivity	1000# forage prod./ac
4.	Plants - Condition - Health & Vigor	Reduction of plant vigor
5.	Plants - Mngmt. - Est., Growth, Har.	Limited growth production
6.	Plants - Mngmt. - Plant Pests	Eastern redcedar competition
7.	Animals - Habitat - Domes. Food	Limited forage availability
8.	Animals - Habitat - Domes. Shelter	Lack of livestock shelter
9.	Animals - Habitat - Domes. Water	Poor distribution
10.	Animals - Mngmt. - Pop./Res. Balance	Poor grazing dispersal

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