

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.40.003	
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	Rangeland Interpretations	
5.5	ANIMAL	Threatened and Endangered Species List; Wildlife Interpretations	
5.6	HUMAN		
6.	HYDROLOGIC UNIT	11050001-060, , 070, 080, 090	
7.	SYSTEM TEMPLATE LABEL	FCDZA	
8.	SYSTEM NAME	Rough Broken Land	
9.	PLANNING PHASE	Benchmark	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	Grazed Range	
12.	EXISTING CONSERVATION PRACTICES		
		<ol style="list-style-type: none"> 1. Diversion (362) 2. Pond (378) 3. Livestock Pipeline (516) 4. Trough or Tank (614) 5. Well (642) 	
13.	SYSTEM NARRATIVE		
		<p>This system consists of perennial native grasses used almost exclusively for livestock production, with some significant wildlife emphasis. Moderate to steep slopes exist on shallow, loamy soils which are low in natural fertility. The area is dissected by deep canyons and drains, which flow to the Cimarron River. Gypsum outcrops are common along hilltops and on canyon bottoms. Gully erosion is substantial in this area and intensifies with flooding from heavy rainfall events. Livestock utilization is inconsistent due to rough topography as overgrazed and undergrazed areas are common. Rangeland productivity is low because of poor plant health and vigor caused by continuous grazing. Water facilities are inadequate to meet grazing management needs. Eastern red cedar is a prolific invader in overgrazed areas within this system. Extreme weather conditions can negatively impact livestock health and performance when shelter is not available.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> 1. Soil - Erosion - Classic gullies 2. Water - Quantity - Flooding 3. Plants - Condition - Productivity 4. Plants - Condition - Health & Vigor 5. Plants - Mngmt - Pest 6. Plants - Mngmt - Est., Growth, Harv 7. Animal - Habitat - Domes. Food 8. Animal - Habitat - Domes. Shelter 9. Animal - Habitat - Domes. Water 10. Animal - Habitat - Wildlife Cover 11. Animal - Mngmt - Pop. & Res. Balance 	<ol style="list-style-type: none"> 1. 100 tons/yr 2. Creates gullies 3. 1000# forage production/acre 4. Reduction of plant vigor 5. Moisture/nutrient competition 6. Limited growth production 7. Limited forage availability 8. Lack of adequate shelter 9. Poor water distribution 10. Lack of adequate wildlife habitat 11. 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