

## 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	Rangeland Interpretations	
5.5	ANIMAL	Threatened and Endangered Species List; Wildlife Interpretations	
5.6	HUMAN		
6.	HYDROLOGIC UNIT	11050001-080, 090	
7.	SYSTEM TEMPLATE LABEL	FFDZA	
8.	SYSTEM NAME	Sandstone Breaks	
9.	PLANNING PHASE	Benchmark	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	Grazed Range	
12.	EXISTING CONSERVATION PRACTICES		
		<ol style="list-style-type: none"> <li>1. Diversion (362)</li> <li>2. Pond (378)</li> <li>3. Trough or Tank (614)</li> <li>4. Well (642)</li> <li>5.</li> </ol>	
13.	SYSTEM NARRATIVE		
	<p>This system consists of perennial mid to tall native grasses used exclusively for livestock production. Moderate to steep slopes exist on shallow to moderately deep, sandy loam soils, underlain by sandstone and dissected by deep canyon drains. Gully erosion is substantial in this area. Fertility is low due to native grass response to fertilization. Cow/calf and stocker calves are primary users of this resource. Grazing occurs without due consideration to balancing livestock numbers and forage production. Grass utilization is inconsistent due to rough topography as overgrazed and undergrazed areas are common. Water facilities are inadequate to properly distribute grazing. Eastern red cedar is a prolific invader in overgrazed areas within this system.</p>		
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> <li>1. Soil - Erosion - Classic gullies</li> <li>2. Plants - Condition - Productivity</li> <li>3. Plants - Mngmt - Est., Growth, Harv</li> <li>4. Plants - Mngmt - Pest</li> <li>5. Animal - Habitat - Domestic Water</li> <li>6. Animal - Mgt - Population/Res. Bal</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>	<ol style="list-style-type: none"> <li>1. 50 tons/yr soil loss</li> <li>2. Forage 1500 lbs/ac</li> <li>3. Poor grazing methods</li> <li>4. Easter redcedar 20% canopy</li> <li>5. Inadequate facilities</li> <li>6. Overgrazing common</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>	

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
<b>SOIL</b>						
Erosion						
Sheet and rill			✓			
Wind			✓			
Irrigation induced			✓			
Concentrated flow						
Cropland ephemeral gully			✓			
Classic gully		✓	<del>✓</del>	✓	✓	
Soil mass movement			✓			
Roadbank and construction sites			✓			
Streambank erosion			✓			
Condition						
Tilth			✓			
Compaction			✓			
Soil contaminants			✓			
Deposition (Onsite & Offsite)						
Damage			✓			
Safety			✓			
<b>WATER</b>						
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			✓			
<b>AIR</b>						
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
<b>PLANTS</b>						
Suitability						
Adapted to site			✓			
Intended use			✓			
<b>Condition</b>						
Productivity		✓		✓	✓	
Health and vigor			✓			
<b>Management</b>						
Establishment				✓		
Growth		✓		✓	✓	
Harvest		✓		✓	✓	
Nutrient management			✓			
Pests		✓		✓	✓	
Threatened and endangered species			✓			
<b>ANIMALS(domestic/wildlife)</b>						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water		✓		✓	✓	
Threatened and endangered species			✓			
<b>Management</b>						
Population and Resource Balance		✓		✓	✓	
Animal Health			✓			

References:  
 NPPH Pages 75-78  
 FOTG Section III - Quality Criteria  
 GM -450 Part 401 Paragraph 401.03