

## MANAGEMENT SYSTEM TEMPLATE

### A. BENCHMARK SYSTEM WORKSHEET

1.	<b>STATE</b>	Oklahoma
2.	<b>FIELD OFFICE</b>	Fairview - Major County
3.	<b>MLRA</b>	78C
4.	<b>COMMON RESOURCE AREA (CRA)</b>	078C.40.003
5.	<b>RESOURCE INTERPRETATIONS</b>	
5.1	<b>SOIL</b>	Soil Legends, Technical/Non-Technical Soils Interpretations
5.2	<b>WATER</b>	Water Quantity and Quality Interpretations
5.3	<b>AIR</b>	
5.4	<b>PLANT</b>	Pastureland and Hayland Interpretations
5.5	<b>ANIMAL</b>	Threatened and Endangered Species List
5.6	<b>HUMAN</b>	
6.	<b>HYDROLOGIC UNIT</b>	11050001-060, 070, 080, 090
7.	<b>SYSTEM TEMPLATE LABEL</b>	FCJKA
8.	<b>SYSTEM NAME</b>	Rough Broken Land
9.	<b>PLANNING PHASE</b>	Benchmark
10.	<b>PLANNING LEVEL</b>	N/A
11.	<b>NRCS LANDUSE</b>	Pasture
12.	<b>EXISTING CONSERVATION PRACTICES</b>	
	<ol style="list-style-type: none"> <li>1. Pasture Planting (512)</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	
13.	<b>SYSTEM NARRATIVE</b>	
	<p>This system includes introduced grasses, primarily Old world bluestem, on shallow to moderately deep, eroded, loamy soils with moderate to strongly sloping topography. These fields were previously cropped before seeding, 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 landuse practices have induced severe gully erosion. Utilization of forage production of grass is poor due to inadequate water facilities, grazing methods, and fertility program.</p>	
14.	<b>RESOURCE CONCERNS</b>	<b>MAGNITUDE/EFFECTS</b>
	<ol style="list-style-type: none"> <li>1. Soil - Erosion - Gullies</li> <li>2. Plant - Condition - Productivity</li> <li>3. Plant - Condition - Health &amp; Vigor</li> <li>4. Plant - Mngmt. - Nutrient</li> <li>5. Animals - Habitat - Domes. Water</li> <li>6. Animals - Mngmt. - Pop. &amp; Res. Bal.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>	<ol style="list-style-type: none"> <li>1. 15 tons/year</li> <li>2. Forage prod. 1500 lb/ac</li> <li>3. Low forage quality</li> <li>4. Low fertility</li> <li>5. Inadequate facilities</li> <li>6. Poor utilization</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		✓		✓	✓	
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			✓			

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**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