

## MANAGEMENT SYSTEM TEMPLATE

### A. BENCHMARK SYSTEM WORKSHEET

<b>1.</b>	<b>STATE</b>	Oklahoma	
<b>2.</b>	<b>FIELD OFFICE</b>	Woodward - Woodward County	
<b>3.</b>	<b>MLRA</b>	78C	
<b>4.</b>	<b>COMMON RESOURCE AREA (CRA)</b>	078C.40.001	
<b>5.</b>	<b>RESOURCE INTERPRETATIONS</b>		
<b>5.1</b>	<b>SOIL</b>	Soil Legends, Technical/Non-Technical Soils Interpretations	
<b>5.2</b>	<b>WATER</b>	Water Quantity and Quality Interpretations	
<b>5.3</b>	<b>AIR</b>		
<b>5.4</b>	<b>PLANT</b>	Rangeland Interpretations	
<b>5.5</b>	<b>ANIMAL</b>	Threatened and Endangered Species List; Wildlife Interpretations	
<b>5.6</b>	<b>HUMAN</b>		
<b>6.</b>	<b>HYDROLOGIC UNIT</b>	11100301-010, 020, 030; 11050001-080, 090	
<b>7.</b>	<b>SYSTEM TEMPLATE LABEL</b>	FADZA	
<b>8.</b>	<b>SYSTEM NAME</b>	Sandy Uplands	
<b>9.</b>	<b>PLANNING PHASE</b>	Benchmark	
<b>10.</b>	<b>PLANNING LEVEL</b>	N/A	
<b>11.</b>	<b>NRCS LANDUSE</b>	Grazed Range	
<b>12.</b>	<b>EXISTING CONSERVATION PRACTICES</b>		
	<ol style="list-style-type: none"> <li>1. Wells (642)</li> <li>2. Trough or Tank (614)</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>		
<b>13.</b>	<b>SYSTEM NARRATIVE</b>		
	<p>This system consists of native rangelands used almost solely for livestock production. Landscape consists of gently rolling to moderately sloping sandy textured soils with some extensive dunny areas. Poor economic conditions have restricted the use of range management practices such as rotational grazing, adequate livestock watering facilities, and brush management. Gully erosion, along with "blow out" areas in the dune soils, are the major kinds of erosion within this system.</p>		
<b>14.</b>	<b>RESOURCE CONCERNS</b>		<b>MAGNITUDE/EFFECTS</b>
	<ol style="list-style-type: none"> <li>1. Soil - Erosion - Classic gullies</li> <li>2. Soil - Erosion - Drilling sites</li> <li>3. Water - Quality - Groundwater contam.</li> <li>4. Plants - Condition - Health &amp; Vigor</li> <li>5. Plants - Mngmt. - Est., Growth, Har.</li> <li>6. Plants - Mngmt. - Plant Pests</li> <li>7. Animals - Mngmt. - Pop.-Resource Bal.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>		<ol style="list-style-type: none"> <li>1. 60 tons/yr</li> <li>2. 20 tons/yr</li> <li>3. Contaminated groundwater</li> <li>4. Poor forage production</li> <li>5. Poor grazing distribution</li> <li>6. Reduce forage production 40-60%</li> <li>7. Decrease forage production</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>

Conservation Management Systems

GRAZED RANGE

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 <i>DRILLING SITES</i>		✓		✓		
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

SANDY

Certification of Quality Criteria

GRAZED RANGE

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			✓			
Condition						
Productivity			✓			
Health and vigor		✓		✓		
Management						
Establishment		✓		✓		
Growth				✓		
Harvest				✓		
Nutrient management			✓			
Pests <i>BWAH</i>		✓		✓		
Threatened and endangered species			✓			
<b>ANIMALS(domestic/wildlife)</b>						
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