

## MANAGEMENT SYSTEM TEMPLATE

### A. BENCHMARK SYSTEM WORKSHEET

<b>1.</b>	<b>STATE</b>	Oklahoma	
<b>2.</b>	<b>FIELD OFFICE</b>	Alva - Woods County	
<b>3.</b>	<b>MLRA</b>	80A	
<b>4.</b>	<b>COMMON RESOURCE AREA (CRA)</b>	080A.40.003	
<b>5.</b>	<b>RESOURCE INTERPRETATIONS</b>		
<b>5.1</b>	<b>SOIL</b>	Soils Legend, Technical/Non-Tech. Soils Interpretations Hydric Soils Interpretations	
<b>5.2</b>	<b>WATER</b>	Water Quantity & Quality Interpretations/Water Budgets	
<b>5.3</b>	<b>AIR</b>		
<b>5.4</b>	<b>PLANT</b>	Cropland Interpretations, Windbreak 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>	11060003-065; 11060002-035; 11050001-100	
<b>7.</b>	<b>SYSTEM TEMPLATE LABEL</b>	GCAZA	
<b>8.</b>	<b>SYSTEM NAME</b>	Sandy Land	
<b>9.</b>	<b>PLANNING PHASE</b>	BENCHMARK	
<b>10.</b>	<b>PLANNING LEVEL</b>	N/A	
<b>11.</b>	<b>NRCS LANDUSE</b>	Crop	
<b>12.</b>	<b>EXISTING CONSERVATION PRACTICES</b>		
		<ol style="list-style-type: none"> <li>1. (344) Residue Management, Seasonal</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	
<b>13.</b>	<b>SYSTEM NARRATIVE</b>		
	<p>This system includes continuous wheat (grain and/or grazed out), grain sorghum and forage sorghum (or various rotations of these), on rolling, deep sandy soils. Surface residue is inadequate to control wind erosion. Streambank erosion, as a result of frequent flooding, occurs adjacent to rivers and streams. Resulting silt deposits in fields cause surface drainage problems. Fertilizers and pesticides are commonly applied without determining plant needs for desired production and pest infestation levels. Cheat, rye and various other grassy and/or broadleaf weeds and greenbugs are common pests.</p>		
<b>14.</b>	<b>RESOURCE CONCERNS</b>		<b>MAGNITUDE/EFFECTS</b>
	<ol style="list-style-type: none"> <li>1. Soil - Erosion - Wind</li> <li>2. Soil - Erosion - Streambank</li> <li>3. Soil - Deposition - Damage</li> <li>4. Water - Quantity - Flooding</li> <li>5. Water - Quantity - Inadeq. Outlets</li> <li>6. Plants - Mngmt - Nutrient</li> <li>7. Plants - Mngmt - Pests</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>		<ol style="list-style-type: none"> <li>1. Soil loss - 15 Tons/Ac./Yr.</li> <li>2. Soil loss - 50 Tons/Yr.</li> <li>3. Silt deposits from overland flow</li> <li>4. Damage/lost production</li> <li>5. Ponding-Damage/lost production</li> <li>6. Improper application of fertilizers</li> <li>7. Nutrient/moisture competition</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>

Conservation Management Systems

Certification of Quality Criteria

080A.40.003

GCAZA

GCAZB

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			N/A			
Concentrated flow						
Cropland ephemeral gully			✓			
Classic gully			✓			
Soil mass movement			✓			
Roadbank and construction sites			N/A			
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			N/A			
Water management--non-irrigated			N/A			
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			✓			
Condition						
Productivity			✓			
Health and vigor			✓			
Management						
Establishment			✓			
Growth			✓			
Harvest			✓			
Nutrient management						
Pests				✓		
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