

## MANAGEMENT SYSTEM TEMPLATE

### A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Watonga - Blaine County
3.	MLRA	80A
4.	COMMON RESOURCE AREA (CRA)	080A.40.003
5.	RESOURCE INTERPRETATIONS	
5.1	SOIL	Soils Legends, Technical/Non-Technical Soils Interpretations
5.2	WATER	Water Quantity and Quality Interpretations/Water Budgets
5.3	AIR	
5.4	PLANT	Rangeland Interpretations
5.5	ANIMAL	Threatened and Endangered Species List, Wildlife Interpretations
5.6	HUMAN	
6.	HYDROLOGIC UNIT	11050002-020, 0050, 070, 100; 11100301-040, 050
7.	SYSTEM TEMPLATE LABEL	GCDZA
8.	SYSTEM NAME	Sandy 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"> <li>1. (550) Range Seeding</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	
13.	SYSTEM NARRATIVE	
	<p>This system includes established native tall and mid-grasses on rolling, deep sandy soils. Pesticides are applied without determining extent of pest infestation. Livestock utilizing the grazing resource includes cow/calf and stocker calves. Grazing occurs without due consideration to balancing livestock numbers to forage quantity and quality with overgrazing common. Resulting plant growth is of low vigor and poor quality. Existing livestock water facilities are inadequate to meet future grazing management needs. Continuous overgrazing has contributed to the invasion of Eastern redcedar and various other weeds. Streambank erosion, as a result of frequent flooding, occurs adjacent to rivers and streams.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> <li>1. Soil - Erosion - Streambank</li> <li>2. Water - Quantity - Flooding</li> <li>3. Plants - Condition - Productivity</li> <li>4. Plants - Condition - Health &amp; Vigor</li> <li>5. Plants - Mgmt. - Pest</li> <li>6. Animals - Habitat - Water</li> <li>7. Animals - Mgmt. - Pop./Res. Bal.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>	<ol style="list-style-type: none"> <li>1. Soil loss - 50 Ton/Yr.</li> <li>2. Damage/lost production</li> <li>3. 3000 lbs/ac/yr</li> <li>4. Low plant health &amp; vigor</li> <li>5. Eastern redcedar (&gt;25% canopy)</li> <li>6. 1/2 needed water storage</li> <li>7. 12-15 Ac/AU/Yr</li> </ol>

Conservation Management Systems  
 Certification of Quality Criteria

080A. 40.003  
 GCD2A  
 GCD2B

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
<b>SOIL</b>						
Erosion						
Sheet and rill				N/A		
Wind				N/A		
Irrigation induced				N/A		
Concentrated flow						
Cropland ephemeral gully				N/A		
Classic gully				✓		
Soil mass movement				✓		
Roadbank and construction sites				N/A		
Streambank erosion					✓	
Condition						
Tilth				N/A		
Compaction				N/A		
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					✓(A)	
Chemical drift				✓		
Odors				✓		
Fungi				✓		
Molds				✓		
Pollen				✓		
Condition						
Temperature				✓		
Air movement				✓		
Humidity				✓		

(A) After treatment

**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 (Forage)				✓		
Health and vigor				✓		
Management						
Establishment			✓			
Growth			✓			
Harvest			✓			
Nutrient management			N/A			
Pests				✓		
Threatened and endangered species			✓			
<b>ANIMALS(domestic/wildlife)</b>						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water (Domestic Animal Requirements)				✓		
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