

# MANAGEMENT SYSTEM TEMPLATE

## B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma		
2.	FIELD OFFICE	El Reno, Enid, Guthrie, Kingfisher, Medford and Newkirk		
3.	MLRA	80A		
4.	COMMON RESOURCE AREA (CRA)	080A.40.003		
5.	RESOURCE INTERPRETATIONS	<i>for each resource enter available interp data</i>		
5.1	SOIL	Soils Legend, Technical/Non-Technical Soils Interpretations Hydric Soil Interpretations		
5.2	WATER	Water Quantity and Quality Interpretations/Water Budgets		
5.3	AIR			
5.4	PLANT	Pastureland Interpretations		
5.5	ANIMAL	Threatened & Endangered Species List, Wildlife Interpretations		
5.6	HUMAN			
6.	HYDROLOGIC UNIT			
7.	SYSTEM TEMPLATE LABEL	GCJZB		
8.	SYSTEM NAME	(80A) Bermudagrass &/or Weeping Lovegrass Mgmt. - Sandy Soils		
9.	PLANNING PHASE	Non-benchmark		
10.	PLANNING LEVEL	RMS		
11.	NRCS LANDUSE	Pasture		
12.	PLANNED CONSERVATION PRACTICES	<i>list practices in the system</i>		
		<ol style="list-style-type: none"> <li>1. (342) Critical Area Planting</li> <li>2. (382) Fencing</li> <li>3. (338) Prescribed Burning</li> <li>4. (528A) Prescribed Grazing</li> <li>5. (391) Riparian Forest Buffer</li> <li>6. (580) Streambank and Shoreline Protection</li> <li>7. (614) Trough or Tank</li> <li>8. (590) Nutrient Management</li> <li>9. (595) Pest Management</li> <li>10. (642) Well</li> <li>11. (516) Pipeline for Livestock and Recreation</li> </ol>		
13.	SYSTEM NARRATIVE	<i>describe how the practices work together as a system</i>		
		<p>This system includes management of established bermudagrass and/or weeping lovegrass on rolling, deep sandy soils. Prescribed grazing (facilitated by fencing water facilities), critical area planting, riparian forest buffers and streambank protection will aid in control of erosion along streams. Reduced sediment from erosion control will also reduce flood hazard due to improved stream capacity. Plant productivity, health and vigor will be improved through proper application of nutrients, pesticides, prescribed grazing and prescribed burning. Livestock water needs will be met with installation of necessary watering facilities. Prescribed burning will control Eastern redcedar but will produce short term air quality, health and safety concerns due to smoke.</p>		
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS	
	<ol style="list-style-type: none"> <li>1. Soil-Eros.-Streambank</li> <li>2. Water-Quant.-Flooding</li> <li>3. Plants-Mgmt.-For.Prod.</li> <li>4. Plants-Cond.-Hlth/Vigor</li> <li>5. Plants-Mgmt.-Nutrient</li> <li>6. Plants-Mgmt.-Pests</li> <li>7. Animal-Hab.-Water</li> <li>8. Anim.-Mgmt.-P/R Bal.</li> <li>9. Air-Quality-Smoke</li> </ol>	<ol style="list-style-type: none"> <li>1. 0 T/Yr soil loss</li> <li>2. Improved stream cap.</li> <li>3. 83% potential prod.</li> <li>4. Imp. health &amp; vigor</li> <li>5. Proper application.</li> <li>6. ERC &lt;10% canopy</li> <li>7. H<sub>2</sub>O storage doubled</li> <li>8. 6 AUM's/Ac/Yr</li> <li>9. Smoke/safety &amp; health</li> </ol>	<ol style="list-style-type: none"> <li>1. 50 T/Yr soil saved</li> <li>2. Reduced damage/prod. losses</li> <li>3. 13% prod. increase</li> <li>4. Imp. growth &amp; quality</li> <li>5. Prod./plant needs met</li> <li>6. 15% + decrease in canopy</li> <li>7. 100% increased H<sub>2</sub>O storage</li> <li>8. 1 AUM/Ac/Yr increase</li> <li>9. Short term neg. impact</li> </ol>	



Conservation Management Systems

Certification of Quality Criteria

080A.40.003

GCT2A

GCT2B

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			
<b>Concentrated flow</b>						
Cropland ephemeral gully			N/A			
Classic gully			✓			
Soil mass movement			✓			
Roadbank and construction sites			N/A			
Streambank erosion				✓		
<b>Condition</b>						
Tilth			N/A			
Compaction			N/A			
Soil contaminants			✓			
<b>Deposition (Onsite &amp; Offsite)</b>						
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			
<b>Quality</b>						
Contaminants			✓			
Aquatic habitat suitability			✓			
<b>AIR</b>						
Quality						
Sediment			✓			
Smoke				✓(A)		
Chemical drift			✓			
Odors			✓			
Fungi			✓			
Molds			✓			
Pollen			✓			
<b>Condition</b>						
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				✓		
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

