

## MANAGEMENT SYSTEM TEMPLATE

### A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Anadarko, Chickasha	USE
3.	MLRA	84A Northern Cross Timbers	
4.	COMMON RESOURCE AREA (CRA)	080A.40.003	84 (084A.40.003)
5.	RESOURCE INTERPRETATIONS		
5.1	SOIL	Technical and Nontechnical Interpretations Pastureland Interpretations	
5.2	WATER	Water Quality and Quantity Interpretations	
5.3	AIR	N/A	
5.4	PLANT	Pastureland Interpretations	
5.5	ANIMAL	N/A	
5.6	HUMAN	N/A	
6.	HYDROLOGIC UNIT	11130302150, 170, 180, 11130303010, 020	
7.	SYSTEM TEMPLATE LABEL	ICJZ0	
8.	SYSTEM NAME	Pastureland, Master Benchmark	
9.	PLANNING PHASE	Benchmark	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	PASTURE	
12.	EXISTING CONSERVATION PRACTICES		
		<ol style="list-style-type: none"> <li>1. 512 Pasture Planting</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>	
13.	SYSTEM NARRATIVE		
		<p>This benchmark system consists of perennial, introduced grasses planted on loamy and sandy bottomland soils in the floodplains of the Washita River and Sugar Creek. Bermudagrass has traditionally been the species of choice, but in recent years several fields have been planted to tall wheatgrass. All of this area is flooded every 1 to 5 years. Flooding causes streambank erosion and damage to the grass. Classic gullies are caused by concentration of overhead water. This erosion contributes to the turbidity of the adjacent streams. Some fields are irrigated with sprinkler systems pumping water from the streams. Maintaining soil fertility is a concern for plant health and forage quality.</p>	
14.	RESOURCE CONCERNS		MAGNITUDE/EFFECTS
		<ol style="list-style-type: none"> <li>1. Flooding</li> <li>2. Classic Gully Erosion</li> <li>3. Surface Water Quality</li> <li>4. Irrigation Water Management</li> <li>5. Soil Fertility</li> <li>6. Streambank Erosion</li> </ol>	<ol style="list-style-type: none"> <li>1. Forage Production Reduced 20%</li> <li>2. Soil Loss &gt; 50 tons/year</li> <li>3. Surface Water Quality Is Degraded By Turbidity</li> <li>4. Irrigation Water Use Efficiency Is &lt; 50%</li> <li>5. Soil Fertility Does Not Meet Needs Of the Grass For Growth And Maintenance</li> <li>6. Soil Loss &gt; 100 tons/year</li> </ol>