

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Anadarko, Chickasha	
3.	MLRA	84A Northern Cross Timbers	
4.	COMMON RESOURCE AREA (CRA)	084A.40.003	
5.	RESOURCE INTERPRETATIONS		
5.1	SOIL	Technical and Nontechnical Interpretations Cropland Interpretations	
5.2	WATER	Water Quality and Quantity Interpretations	
5.3	AIR	N/A	
5.4	PLANT	Cropland Interpretations	
5.5	ANIMAL	N/A	
5.6	HUMAN	N/A	
6.	HYDROLOGIC UNIT	11130302150, 170, 180, 11130303010, 020	
7.	SYSTEM TEMPLATE LABEL	ICAZ0	
8.	SYSTEM NAME	Cropland, Master Benchmark	
9.	PLANNING PHASE	Benchmark	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	CROP	
12.	EXISTING CONSERVATION PRACTICES		
	<ol style="list-style-type: none"> 1. None 2. 3. 4. 		
13.	SYSTEM NARRATIVE		
	<p>This benchmark system consists of cultivated crops grown on loamy and sandy bottomland soils in the floodplains of the Washita River and Sugar Creek. The primary crops grown are alfalfa, small grains, cotton, peanuts, corn, grain sorghum. Sprinkler irrigation is common and there are a few fields that are furrow irrigated. Most of the irrigation water is pumped from the river and adjacent streams. All of this area is flooded every 1 to 5 years. Flooding causes scour erosion, gully erosion, streambank erosion, and turbidity of the streams. Some soils have high water tables that may limit crop production.</p>		
14.	RESOURCE CONCERNS		MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> 1. Classic Gully Erosion 2. Streambank Erosion 3. Scour Erosion 4. Surface Water Quality 5. Flooding 6. Irrigation Water Management 7. High Water Table 		<ol style="list-style-type: none"> 1. Soil Loss > 50 tons/year 2. Soil Loss > 100 tons/year 3. Soil Loss > 25 tons/year 4. Water Quality Is Degraded 5. Crop Production Reduced 20% 6. Irrigation Water Use Efficiency < 50% 7. Crop Production Reduced 20%