

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Altus, Hollis, Mangum, Sayre
3.	MLRA	78C Central Rolling Red Plains
4.	COMMON RESOURCE AREA (CRA)	078C.40.019
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	11120202016, 020, 030, 11120304016, 020, 11120303050, 11130101020
7.	SYSTEM TEMPLATE LABEL	FSAZ0
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. 328 Conservation Crop Rotation 2. 3. 4. 	
13.	SYSTEM NARRATIVE	
	<p>This benchmark system consists of wheat, cotton, and grain sorghum planted on loamy upland soils. Most of the wheat is grazed by stocker cattle through the winter. Sheet and rill erosion is a problem on unterraced fields with poor residue management. Ephemeral gullies are a problem on unterraced fields. Conventional tillage creates plow pans which reduce water intake and increases runoff. Low soil fertility reduces potential crop yields and forage production.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> 1. Sheet and Rill Erosion 2. Ephemeral Gully Erosion 3. Plow Pans 4. Low Soil Fertility 5. 	<ol style="list-style-type: none"> 1. Soil Loss > 10 tons/acre/year 2. Soil Loss > 40 tons/year 3. Water Intake Rate < 0.6 inches/hour 4. Soil Fertility Does Not Meet The Needs of the Crop For Growth and Maintenance 5.