MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Frederick, Hobart, Lawton, Walters
3.	MLRA	78C Central Rolling Red Plains
4.	COMMON RESOURCE AREA (CRA)	078C.40.022
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	1113012020, 11130202010, 020, 11130203010, 020, 030, 040, 050
7.	SYSTEM TEMPLATE LABEL	FVAZ0
8.	SYSTEM NAME	Cropland, Master Benchmark
9.	PLANNING PHASE	Benchmark
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	CROP
12.	EXISTING CONSERVATION PRACTICES	
	1. None 2. 3. 4.	
13.	SYSTEM NARRATIVE	
	This benchmark system consists of cropland planted primarily to wheat sometimes rotated with cotton and grain sorghum on deep loamy soils with clayey subsoils on uplands. These soils have a high water holding capacity but permeability is slow due to the clayey subsoils. This causes excessive runoff on fields unprotected by growing crops or crop residues. Ephemeral gullies are a problem where terraces are not maintained or do not exist and adequate residues are not maintained on the surface. Surface crusting and wind erosion are common. The Foard soils are subject to high water tables and saline seeps.	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	1. Wind Erosion 2. Ephemeral Gully Erosion 3. Soil Crusting 4. Soil Salinity 5.	1. Soil Loss > 10 tons/acre/year 2. Soil Loss > 30 tons/year 3. Water Intake Rates < 1.0 inches/hour 4. Crop Production < 25% of Potential 5.