

## 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.40.016	
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, 11120302016, 026, 030, 040, 11120303010, 040, 050, 11120304016, 11130101015, 070	
7.	SYSTEM TEMPLATE LABEL	FPAZO	
8.	SYSTEM NAME	Cropland, Master BM	
9.	PLANNING PHASE	Benchmark	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	CROP	
12.	EXISTING CONSERVATION PRACTICES		
		<ol style="list-style-type: none"> <li>1. 328 Conservation Crop Rotation</li> <li>2. 344 Residue Management, Seasonal</li> <li>3.</li> <li>4.</li> </ol>	
13.	SYSTEM NARRATIVE		
		<p>This benchmark system consists of cotton, alfalfa, wheat, peanuts, and various rotations of each planted on sandy upland soils. Fields are generally 40 to 160 acres in size. Approximately 25% of the cropland in this area is irrigated. Many producers use some type of reduced tillage due to the high risk of wind erosion. Established field windbreaks are common, however most of them have degraded and need renovation. Maintaining soil tilth and fertility are concerns. Rotations are necessary to interrupt disease and insect cycles especially in cotton and peanuts. There are several municipal water wells in this area that have a potential for contamination by agricultural chemicals and fertilizer.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> <li>1. Wind Erosion</li> <li>2. Wellhead Protection</li> <li>3. Soil Compaction</li> <li>4. Soil Fertility</li> <li>5. Plant Pests - Insects, Diseases</li> <li>6. Irrigation Water Management</li> </ol>	<ol style="list-style-type: none"> <li>1. Soil Loss &gt; 16 tons/acre/year</li> <li>2. Water Unsuitable for Domestic, Livestock, or Irrigation Uses</li> <li>3. Water Intake Rate &lt; 1.0 inches/hour</li> <li>4. Soil Fertility Does Not Meet the Needs of Crop For Growth and Maintenance</li> <li>5. Crop Production Reduced 30%</li> <li>6. Irrigation System Efficiency &lt; 50%</li> </ol>	