

MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Anadarko, Clinton, Cordell, Hobart, Sayre, Taloga	
3.	MLRA	78C Central Rolling Red Plains	
4.	COMMON RESOURCE AREA (CRA)	078C.40.007	
5.	RESOURCE INTERPRETATIONS	<i>for each resource enter available interp data</i>	
5.1	SOIL	Technical and Nontechnical 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	11092001080, 11120303010, 020, 11130202010, 11130301070, 090, 100, 110, 120, 11130302010, 020, 030, 040, 050, 060, 070, 080, 090, 100, 110, 120, 130, 140, 150, 160	
7.	SYSTEM TEMPLATE LABEL	FGAZ1	
8.	SYSTEM NAME	Cropland, Master CMS	
9.	PLANNING PHASE	Non-Benchmark	
10.	PLANNING LEVEL	RMS	
11.	NRCS LANDUSE	CROP	
12.	PLANNED CONSERVATION PRACTICES	<i>list practices in the system</i>	
		<ol style="list-style-type: none"> 1. 328 Conservation Crop Rotation 2. 330 Contour Farming 3. 344 Residue Management, Seasonal 4. 412 Grassed Waterway 5. 590 Nutrient Management 6. 595 Pest Management 7. 600 Terrace 8. 9. 10. 	
13.	SYSTEM NARRATIVE	<i>describe how the practices work together as a system</i>	
		<p>This conservation management system consists of wheat, cotton, and grain sorghum planted on loamy upland soils. Contour farming, waterways, terraces, and residue management will reduce sheet and rill erosion and eliminate ephemeral gully erosion. Maintenance of existing terraces and waterways must be done to insure long term benefits and proper functioning of the practices. Residue management, reduced tillage and crop rotation will improve soil tilth by increasing soil organic matter, while reducing the severity of compaction resulting in plow pans. This will increase water intake and reduce runoff. Crops to be grown will be selected based on grain and forage yield potential, ability to produce adequate residues for critical erosion periods, and client's needs. Nutrient management will be used to apply fertilizer for improved yield goals and improved plant health. Pest management and crop rotations will control cropland pests such as cheat, bindweed, and greenbugs.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	<ol style="list-style-type: none"> 1. Sheet and Rill Erosion 2. Ephemeral Gully Erosion 3. Soil Tilth 4. Soil Compaction 5. Plant Productivity 6. Nutrient Management 7. Plant Pests 8. 9. 10. 	<ol style="list-style-type: none"> 1. Soil Loss = 2 tons/ac/yr 2. Soil Loss = 0 tons/year 3. Increased Organic Matter 4. Eliminate Plow Pan 5. Increased Productivity 6. Proper Fertilization 7. Reduced Competition 8. 9. 10. 	<ol style="list-style-type: none"> 1. Soil Loss Reduced 8 tons/ac/yr 2. Soil Loss Reduced 100 tons/yr 3. Soil Condition Index > 0 4. Increased Water Intake 5. Increased Yields 6. Increased Yields 7. Healthier Crops 8. 9. 10.

CRA con't	SYSTEM TEMPLATE LABEL cont'd	
17.	QUALITY CRITERIA DOCUMENTATION	<i>List resource concerns, then indicate yes/no</i>
	1. Sheet and Rill Erosion	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	2. Ephemeral Gully Erosion	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	3. Soil Tilth	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	4. Soil Compaction	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	5. Plant Productivity	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	6. Nutrient Management	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	7. Plant Pests	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	8.	<input type="checkbox"/> YES <input type="checkbox"/> NO
	9.	<input type="checkbox"/> YES <input type="checkbox"/> NO
	10.	<input type="checkbox"/> YES <input type="checkbox"/> NO

