MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Hobart
3.	MLRA	78C Central Rolling Red Plains
4.	COMMON RESOURCE AREA (CRA)	078C.40.021
5.	RESOURCE INTERPRETATIONS	*for each resource enter available interp data*
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	11120303020, 030, 11130302130, 140
7.	SYSTEM TEMPLATE LABEL	FUAZ1
8.	SYSTEM NAME	Cropland, Master CMS
9.	PLANNING PHASE	Non-Benchmark
10.	PLANNING LEVEL	Resource Management System
11.	NRCS LANDUSE	CROP
12.	PLANNED CONSERVATION PRACTICES	*list practices in the system*

1. 328 Conservation Crop Rotation
2. 330 Contour Farming
3. 344 Residue Management, Seasonal
4. 362 Diversion
5. 412 Grassed Waterway
6. 590 Nutrient Management
7. 600 Terrace
8.
9.
10.

13.	SYSTEM NARRATIVE	*describe how the practices work together as a system*

This conservation management system consist of annual crops planted on loamy upland soils. The primary crops planted are small grains, cotton, alfalfa, and grain sorghum in various rotations of each. Terraces, diversions, contour farming and grassed waterways will reduce ephemeral erosion. Fertilizer will be applied as recommended by soil tests to meet the needs of the crop. Crop residues will be managed to maintain protective cover at times when soil is most vulnerable to erosion. Crops will be rotated in a manner that will best utilize soil moisture and nutrients and provide adequate residues that will to control erosion.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Plow Pans	1. Soil Water Intake Rates $\geq$ 1.0 inches/hour	1. Soil Water Intake Rates Increased by 0.9 inches/hour
	2. Soil Fertility	2. Soil Fertility Is Adequate For Crop Growth and Maintenance	2. Soil Fertility Does Not Limit Crop Growth
	3. Ephemeral Gully Erosion	3. Soil Loss = 0 tons/year	3. Soil Loss Reduced by 30 tons/yr
	4. Sheet and Rill Erosion	4. Soil Loss < 5 tons/ac/yr	4. Soil Loss Reduced by 5 tons/ac/yr
	5.	5.	5.
	6.	6.	6.
	7.	7.	7.
	8.	8.	8.
	9.	9.	9.
	10.	10.	10.

CRA con't	SYSTEM TEMPLATE LABEL cont'd		
17.	QUALITY CRITERIA DOCUMENTATION *List resource concerns, then indicate yes/no*		
	1.Plow Pans	_X_ YES	___NO
	2.Soil Fertility	_X_ YES	___NO
	3.Ephemeral Gully Erosion	_X_ YES	___NO
	4.Sheet and Rill Erosion	_X_ YES	___NO
	5.	___YES	___NO
	6.	___YES	___NO
	7.	___YES	___NO
	8.	___YES	___NO
	9.	___YES	___NO
	10.	___YES	___NO

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office	Hobart	CRA	078C.40.021	System Template Label	FUAZ1
Soil Interpretations	Technical and Nontechnical Interpretations, Cropland Interpretations						

Resource Concerns / Conservation Practices	Plow Pans	Soil Fertility	Ephemeral Gully Erosion	Sheet and Rill Erosion				
328 Conservation Crop Rotation	+	+	+	+				
330 Contour Farming	0	N/A	+ +	+ + +				
344 Residue Mgmt - Seasonal	+ + +	+	+ +	+ + +				
362 Diversion	N/A	N/A	+ + +	+ + +				
412 Grassed Waterway	N/A	N/A	+ +	+ +				
590 Nutrient Management	+	+ + +	0	+				
600 Terrace	N/A	N/A	+ + +	+ + +				

RATINGS:

Not Applicable	= N/A	Slight	= + or -
Negligible	= 0	Moderate	= + + or --
Facilitating	= F	Significant	= + + + or ---