MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Anadarko
3.	MLRA	84A Northern Cross Timbers
4.	COMMON RESOURCE AREA (CRA)	084A.40.004
5.	RESOURCE INTERPRETATIONS	*for each resource enter available interp data*
5.1	SOIL	Technical and Non-Technical 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	11130302170, 180, 190, 200, 230, 250
7.	SYSTEM TEMPLATE LABEL	IDAZ1
8.	SYSTEM NAME	Crop, 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. 344 Residue Management - Seasonal
3. 362 Diversion
4. 412 Grassed Waterway
5. 590 Nutrient Management
6. 600 Terrace

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

This conservation management system consists of cultivated crops planted on sandy and loamy upland soils. The major crops planted are small grains, grain sorghum, alfalfa, cotton, and peanuts with various rotations of each. Most fields are less than 30 acres in size. Crops planted must be adapted to the site conditions and the client's needs. Rotations will include cropping systems and sequences that will produce adequate residues and organic matter to reduce erosion and improve soil conditions. Terraces, diversions, and waterways will correct prevent ephemeral gully erosion. Crop residues will be managed to provide protective cover and increase soil organic matter. Fertilizer will be applied as recommended by soil tests to meet the nutrient needs of the crop without leaching or runoff of excess.

14. RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
1. Ephemeral Gully Erosion	1. Soil Loss = 0 tons/year	1. 32 tons/year Reduction
2. Low Soil Fertility	2. Soil Fertility Meets Plant Needs For Growth And Maintenance	2. Crop Production Is Not Limited By Soil Fertility
3. Low Soil Organic Matter	3. Crop Production is 100% of Potential	3. Crop Production Is Not Limited By Soil Organic Matter

17. QUALITY CRITERIA DOCUMENTATION *list resource concerns then indicate yes/no*

1.Ephemeral Gully Erosion	_X_YES	____NO
2.Low Soil Fertility	_X_YES	____NO
3.Low Soil Organic Matter	_X_YES	____NO
4.	____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	Anadarko	CRA	084A.40.004	System Template Label	IDAZ1
Soil Interpretations	Technical and Nontechnical Interpretations, Cropland Interpretations						

Resource Concerns / Conservation Practices	Ephemeral Gully Erosion	Soil Fertility	Soil Organic Matter					
328 Conservation Crop Rotation	+	0	+ +					
344 Residue Mgmt - Seasonal	+ +	0	+ + +					
362 Diversion	+ + +	N/A	N/A					
412 Grassed Waterway	+ + +	N/A	N/A					
590 Nutrient Managment	0	+ + +	+ + +					
600 Terrace	+ + +	N/A	N/A					

RATINGS:

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