MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Anadarko, Chickasha
3.	MLRA	84A Northern Cross Timbers
4.	COMMON RESOURCE AREA (CRA)	080A.40.003 USE (084A.40.003)
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	11130302150, 170, 180, 11130303010, 020
7.	SYSTEM TEMPLATE LABEL	ICAZ1
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. 342 Critical Area Planting
3. 362 Diversion
4. 393 Filter Strip
5. 410 Grade Stabilization Structure
6. 412 Grassed Waterway
7. 442 Irrigation System - Sprinkler
8. 449 Irrigation Water Management
9. 580 Streambank and Shoreline Protection
10. 606 Subsurface Drainage System

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

This conservation management system consists of cultivated crops grown on loamy and sandy bottomland soils in the floodplains of the Washita River and Sugar Creek. The primary crops grown are alfalfa, small grains, cotton, peanuts, corn, and grain sorghum. Sprinkler irrigation is common and a few fields have furrow irrigation. Most of the irrigation water is pumped from the river and adjacent streams. All of this area is flooded every 1 to 5 years. Vegetating critically eroding areas, diversions, streambank protection and grade stabilization will reduce erosion from gullies, streambank and scour erosion. Erosion control above the streambanks and filter strips will reduce the turbidity of the streams. Irrigation efficiency will be improved with monitoring and upgrading existing systems and proper design and installation of new systems. High water tables may be regulated with subsurface drainage when wetland policy is not effected.

14. RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
1. Classic Gully Erosion	1. Soil Loss = 0 tons/year	1. Soil Loss Reduced 50 tons/year
2. Streambank Erosion	2. Soil Loss = 0 tons/year	2. Soil Loss Reduced 100 tons/year
3. Scour Erosion	3. Soil Loss = 0 tons/year	3. Soil Loss Reduced 25 tons/year
4. Surface Water Quality	4. Surface Water Quality Improved	4. Treated Acres Do Not Contribute To Surface Water Turbidity
5. Flooding	5. Crop Production Is 100% Of Potential	5. Crop Production Is Not Limited By Flooding
6. Irrigation Water Management	6. Irrigation Water Use Efficiency > 80%	6. Irrigation Water Use Efficiency Improved By 30%
7. High Water Table	7. Crop Production Is 100% Of Potential	7. Crop Production Is Not Limited By High Water Tables
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.Classic Gully Erosion	_X_ YES	____NO
	2.Streambank Erosion	_X_ YES	____NO
	3.Scour Erosion	_X_ YES	____NO
	4.Surface Water Quality	_X_ YES	____NO
	5.Flooding	_X_ YES	____NO
	6.Irrigation Water Management	_X_ YES	____NO
	7.High Water Table	_X_ 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, Chickasha	CRA	~~080A.40.003~~ 084A.40.003	System Template Label	ICAZ1
Soil Interpretations	Technical and Nontechnical Interpretations, Cropland Interpretations						

Resource Concerns / Conservation Practices	Classic Gully Erosion	Streambank Erosion	Scour Erosion	Surface Water Quality	Flooding	Irrigation Water Management	High Water Table	
328 Conservation Crop Rotation	0	+	+ +	+	0	+	+	
342 Critical Area Planting	+ + +	+ + +	+ + +	+ + +	N/A	N/A	N/A	
362 Diversion	+ + +	+ + +	+ + +	+ +	+ +	N/A	N/A	
393 Filter Strip	+	+ +	+	+ + +	N/A	N/A	N/A	
410 Grade Stabilization Structure	+ + +	+ + +	+	+ + +	-	N/A	N/A	
412 Grassed Waterway	+ + +	+ +	+ + +	+ + +	N/A	N/A	N/A	
442 Irrigation System - Sprinkler	N/A	N/A	N/A	N/A	N/A	+ + +	+	
449 Irrigation Water Management	N/A	N/A	N/A	+ +	N/A	+ + +	+ +	
580 Streambank Protection	+ + +	+ + +	+	+ + +	0	N/A	N/A	
606 Subsurface Drainage	N/A	N/A	0	0	+ +	+ +	+ + +	

RATINGS:

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