MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Anadarko, Hobart, Lawton
3.	MLRA	80A Central Rolling Red Prairies
4.	COMMON RESOURCE AREA (CRA)	080A.40.009
5.	RESOURCE INTERPRETATIONS	*for each resource enter available interp data*
5.1	SOIL	Technical and Nontechnical Interpretations Pastureland Interpretations
5.2	WATER	Water Quality and Quantity Interpretations
5.3	AIR	N/A
5.4	PLANT	Pastureland Interpretations
5.5	ANIMAL	N/A
5.6	HUMAN	N/A
6.	HYDROLOGIC UNIT	11130302110, 140, 150, 160, 170, 180
7.	SYSTEM TEMPLATE LABEL	GIJZ1
8.	SYSTEM NAME	Pasture, Master CMS
9.	PLANNING PHASE	Non-Benchmark
10.	PLANNING LEVEL	Resource Management System
11.	NRCS LANDUSE	PASTURE
12.	PLANNED CONSERVATION PRACTICES	*list practices in the system*

1. 338 Prescribed Burning
2. 342 Critical Area Planting
3. 362 Diversion
4. 382 Fence
5. 393 Filter Strip
6. 410 Grade Stabilization Structure
7. 442 Irrigation System - Sprinkler
8. 449 Irrigation Water Management
9. 512 Pasture Planting
10. 528A Prescribed Grazing
11. 580 Streambank and Shoreline Protection
12. 590 Nutrient Management

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

This conservation management system consist of perennial, introduced grasses planted on loamy and sandy bottomland soils in the floodplains of the Washita River. Bermudagrass has traditionally been the pasture of choice, however, in recent years several fields have been planted to tall wheatgrass. All of this area is flooded every 1 to 5 years. Establishing vegetation on critically eroding areas, diversions, fencing, grade stabilization, and streambank protection will control erosion from gullies, and streambanks. Grass planting and diversions will also reduce the effects of flooding. Filter strips and grass planting along with erosion control practices will reduce the amount of sediment reaching the streams which causes turbidity. Properly installed and maintained irrigation systems along with nutrient management will improve the health of the grass and increase production potential. Fencing and prescribed burning will facilitate a grazing plan that includes recommended stocking rates, grazing schedules, etc.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Classic Gully Erosion	1. Soil Loss = 0 tons/year	1. Soil Loss Reduced 30 tons/year
	2. Streambank Erosion	2. Soil Loss = 0 tons/year	2. Soil Loss Reduced 50 tons/year
	3. Turbid Surface Water	3. Water Quality Improved	3. Treated Acres Do Not Contribute To Surface Water Turbidity
	4. Flooding	4. Forage Production Reduced 10%	4. Forage Production Increased 10%
	5. Irrigation Water Management	5. Irrigation System Efficiency > 80%	5. Irrigation System Efficiency Increased 30%
	6.	6.	6.
	7.	7.	7.
	8.	8.	8.

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.Turbid Surface Water	_X_ YES	___ NO
	4.Flooding	_X_ YES	___ NO
	5.Irrigation Water Management	_X_ 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, Hobart, Lawton	CRA	080A.40.009	System Template Label	GIJZ1
Soil Interpretations	Technical and Nontechnical Interpretations, Pastureland Interpretations						

Resource Concerns / Conservation Practices	Classic Gully Erosion	Streambank Erosion	Turbid Surface Water	Flooding	Irrigation Water Management			
338 Prescribed Burning	N/A	N/A	N/A	N/A	N/A			
342 Critical Area Planting	+ + +	+ + +	+ + +	+	N/A			
362 Diversion	+ + +	+ + +	+ + +	+	N/A			
382 Fence	+ +	+ + +	+ + +	+	N/A			
393 Filter Strip	+ +	+ + +	+ + +	+	N/A			
410 Grade Stabilization Structure	+ + +	+ + +	+ + +	+	N/A			
442 Irrigation System - Sprinkler	N/A	N/A	N/A	N/A	+ + +			
449 Irrigation Water Management	N/A	N/A	N/A	N/A	+ + +			
512 Pasture and Hayland Planting	+ + +	+ + +	+ + +	+	+			
528A Prescribed Grazing	+ +	+ + +	+ + +	+	+			
580 Streambank Protection	+ + +	+ + +	+ + +	+	N/A			
590 Nutrient Management	+	+ + +	+ +	+	+			

RATINGS:

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