MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Fairview - Major County
3.	MLRA	80A
4.	COMMON RESOURCE AREA (CRA)	080A.40.005
5.	RESOURCE INTERPRETATIONS	*for each resource enter available interp data*
5.1	SOIL	Soil Legends, Technical/Non-Technical Soil Interpretations
5.2	WATER	Water Quantity and Quality
5.3	AIR	
5.4	PLANT	Pasture & Hayland Interpretations
5.5	ANIMAL	Threatened & Endangered Species List,
5.6	HUMAN	
6.	HYDROLOGIC UNIT	11050001-090; 11050002-010, 020
7.	SYSTEM TEMPLATE LABEL	GEJZB
8.	SYSTEM NAME	Cimarron Flats
9.	PLANNING PHASE	Non-Benchmark
10.	PLANNING LEVEL	RMS
11.	NRCS LANDUSE	Pasture
12.	PLANNED CONSERVATION PRACTICES	*list practices in the system*

1. Prescribed Burning (338)
2. Critical Area Planting (342)
3. ~~Subsoiling (348)~~
4. Diversion (362)
5. Fencing (382)
6. Grade Stabilization Structure (410)
7. Livestock Pipeline (516)
8. Prescribed Grazing (528A)
9. Streambank & Shoreline Protection (580)
10. Nutrient Management (590)
11. Pest Management (595)
12. Trough or Tank (614)
13. Livestock Well (642)

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

This system includes Bermudagrass and Old World bluestem on shallow to deep, loamy bottomland soils. Diversion terraces, grade stabilization structures and critical area planting will reduce gully erosion and improve vegetation on shallow soils. Streambank protection will be used to control erosion along banks of streams and channels, caused by excessive flooding. Water facilities, prescribed burning, fencing, nutrient and pest management allows incorporating a prescribed grazing system. This grazing system will significantly improve plant health, vigor, growth and productivity through rotational grazing, while balancing available forage with livestock numbers. Distribution of grazing will greatly increase through fencing and water facilities. Fertilization by soil test recommendation will insure maximum production potential. Periodic subsoiling with fertilizer application increases root development and water infiltration by penetrating compacted soils.

14. RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
1. Soil - Gullies	1. 1 ton/yr soil loss	1. 14 ton/yr soil savings
2. Soil - Streambank	2. Soil loss reduced	2. Stable banks
3. Soil - Compaction	3. Improve infiltration	3. Increase root growth
4. Water - Flooding	4. Decrease flooding	4. Reduce damage
5. Plants - Productivity	5. 3500 lb/ac	5. 1500 lb/ac increase
6. Plants - Health/Vigor	6. Improved health	6. Increaesed gains
7. Plants - Est/Grwth/Harv	7. Stronger growth	7. Increased production
8. Plants - Nutrient	8. Improved fertility	8. Higher yields
9. Plants- Pests	9. Improved control	9. Economic gains
10. Animals - Water	10. Adequate facilities	10. Improved distribution
11. Animals - Pop/Res Bal	11. Rotation grazing	11. Improved balance

17.	QUALITY CRITERIA DOCUMENTATION *list resource concerns then indicate yes/no*		
	1. Soil - Erosion - Classic Gullies	_X_YES	___NO
	2. Soil - Erosion - Streambank	_X_YES	___NO
	3. Soil - Condition - Compaction	_X_YES	___NO
	4. Water - Quantity - Flooding	_X_YES	___NO
	5. Plants - Condition - Productivity	_X_YES	___NO
	6. Plants - Condition - Health and Vigor	_X_YES	___NO
	7. Plants - Management - Establishment/Growth/Harvest	_X_YES	___NO
	8. Plants - Management - Nutrient	_X_YES	___NO
	9. Plants - Management - Pests	_X_YES	___NO
	10. Animals - Habitat - Domestic Water	_X_YES	___NO
	11. Animals - Management - Population/Resource Balance	_X_YES	___NO

CIMARRON FLATS
80 A
PASTURE

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	OK	Field Office	FAIRVIEW	MLRA	80 A

Soil Interpretations

Resource Concerns / Cons. Practices	SOIL Conc. Flow Gully	SOIL Conc. Flow Str. Bank Ero.	SOIL Condition Compaction	WATER QUANTITY Flooding	PLANTS Condition Productivity	PLANTS Condition Health/Vigor	PLANTS MGMT. Growth	PLANTS MGMT. Harvest	PLANT MGMT Nutrient	PLANT MGMT PEST	Animal Hab/Dom Water	Animal Mgmt/Dom Pop. Res. Bal.
338 Prescribed Burning	+	0	N/A	+	+	+	+	+	N/A	+	−	+
362 Diversion	+	+	0	+	+	+	+	+	N/A	+	+	+
382 Fencing	+	+	+	+	+	+	+	+	N/A	0+	+	+
516 Pipeline	−	N/A	N/A	N/A	+	+	+	+	N/A	0+	+	+
528-A Pres. Grazing	+	+	+	+	+	+	+	+	+	+	+	+
590 Nutr. Mgmt	0+	N/A	0+	+	+	+	+	+	+	+	0	+
595 Pest Mgmt	0+	N/A	0+	N/A	+	+	+	+	0	+	+	+
614 Tank	+	0+	0+	N/A	+	+	+	+	N/A	0+	+	+
642 Livestock well	+	0+	0+	N/A	+	+	+	+	N/A	0+	+	+
348 Subsoiling	−	N/A	+	+	+	+	+	N/A	0+	N/A	0	0+
342 Crit Area	+	+	0	+	+	+	+	+	0	0	0	+
410 G.S.S.	+	+	0	+	0	0	0	0	0	0	+	+
580 Stmbnk Prot	+	+	0	+	+	+	+	+	0	0	+	+