MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Shattuck - Ellis County
3.	MLRA	77E
4.	COMMON RESOURCE AREA (CRA)	077E.40.003
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	11100201-055, 11100203-016, 11100203-020
7.	SYSTEM TEMPLATE LABEL	ECJKB
8.	SYSTEM NAME	Rolling Plains
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. Diversion (362)
3. Fencing (382)
4. Grade Stabilization Structure (410)
5. Livestock Pipeline (516)
6. Prescribed Grazing (528A)
7. Grazing Land Mechanical Treatment (548)
8. Nutrient Management (590)
9. Tank or Trough (614)
10. Livestock Well (642)

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

This system consists of Old world bluestem pastures. By applying prescribed grazing the pasture acreage will greatly increase plant health and vigor, productivity, and general overall growth and harvest. Wells, tanks, pipelines, and cross fencing are needed to help better distribute livestock grazing while also providing wildlife benefits. Prescribed burning will be used to stimulate grass production and control smoke concerns. Grazing land mechanical treatment will reduce compaction, and increase water infiltration which will increase stocking rates. Fertilizing according to current soil tests will insure maximum potential production. Diversion terraces and grade stabilization structures will be used to control gully erosion caused by flooding.

14.

RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
1. Soil - Condition - Comp.	1. Increased production	1. Improved infiltration
2. Water - Quan. - Flooding	2. Decrease flood damage	2. Controlled soil loss
3. Air - Quality - Smoke	3. Proper burning techn.	3. No accidents
4. Plants - Productivity	4. 4000 lbs./acre	4. 2000 lbs/acre increase
5. Plants - Health & Vigor	5. Increased production	5. Improved plant health
6. Plants - Est/Grwth/Harv.	6. Increased gains	6. Increased production
7. Plants - Nutrient	7. Economic fertilization	7. Match fert. with prod.
8. Animal - Food	8. Increase food supply	8. Increased production
9. Animal - Water	9. Better distribution	9. Increased production
10. Animal - Res. Balance	10. Max. distribution	10. Proper forage use

17.	QUALITY CRITERIA DOCUMENTATION *list resource concerns then indicate yes/no*		
	1. Soil - Condition - Compaction	**_X_ YES**	**___NO**
	2. Water - Quantity - Flooding	**_X_ YES**	**___NO**
	3. Air - Quality - Smoke/On-site health	**_X_ YES**	**___NO**
	4. Plants - Condition - Productivity	**_X_ YES**	**___NO**
	5. Plants - Condition - Health & Vigor	**_X_ YES**	**___NO**
	6. Plants - Management - Estab., Growth and Harvest	**_X_ YES**	**___NO**
	7. Plants - Management - Nutrient	**_X_ YES**	**___NO**
	8. Animal - Habitat - Food	**_X_ YES**	**___NO**
	9. Animal - Habitat - Water	**_X_ YES**	**___NO**
	10. Animal - Management - Population & Resource Bal.	**_X_ YES**	**___NO**

Conservation Practice Physical Effects on Resource Concerns

Candidate Practice List

State Oklahoma **Field Office** Shattuck **MLRA** 77E - Rolling Plains - Pasture

Soil Interpretations

Resource Concerns / Cons. Practices	Soil: Compaction	Water: Flooding	Air: Smoke	Plant: Productivity	Plant: Health + Vigor	Plant: Growth	Plant: Nutrient Manage.	Animal: Food	Animal: Water	Animal: Population/ Resource Bal.
338	0	0	−	+	+	+	0	+	0	+
362	0	+	0	+	+	+	0	+	+	+
382	+	0	0	+	+	+	0	+	+	+
410	0	+	+	−	−	−	0	+	+	+
516	0	0	0	0	0	0	0	0	+	+
528A	+	+	+	+	+	+	+	+	+	+
548	+	+	+	+	+	+	0	+	+	+
590	+	0	0	+	+	+	+	+	+	+
614	0	0	+	0	0	0	0	+	+	+
642	0	0	+	0	0	0	0	+	+	+