MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Boise City - Cimarron County
3.	MLRA	77B
4.	COMMON RESOURCE AREA (CRA)	077B.40.001
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	11100103-014
7.	SYSTEM TEMPLATE LABEL	DAJJB
8.	SYSTEM NAME	Aqua Fria Creek - Irrigated
9.	PLANNING PHASE	Non-Benchmark
10.	PLANNING LEVEL	RMS
11.	NRCS LANDUSE	Pasture
12.	PLANNED CONSERVATION PRACTICES	*list practices in the system*

1. Fencing (382)
2. Irrigation Pipeline (430EE)
3. Irrigation System, Sprinkler (442)
4. Irrigation Water Management (449)
5. Livestock Pipeline (516)
6. Grazing Land Mechanical Treatment (548)
7. Nutrient Management (590)
8. Tank or Trough (614)
9. Prescribed Grazing (528A)
10. Livestock Well (642)

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

This system consists of introduced cool-season Orchardgrass under irrigation. Installation of cross fencing and livestock watering facilities will provide adequate needs of a controlled grazing system. Prescribed grazing will improve techniques and timing of forage removal resulting in an increased plant productivity. Irrigation pipelines and sprinkler irrigation practices enhance Irrigation Water Management to provide water quality and quantity protection. Nutrient management will provide quality and quantity forage production for haying and grazing when applied according to soil analysis, economic thresholds and producer objectives. Subsoiling recycles nutrients, opens surface and subsurface layers of impermeable soils to improve soil moisture allowing grass plants more utilization with less evaporation.

14. RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
1. Soil - Cond. - Compact.	1. Forage prod. increase	1. Increased prod. by 5%
2. Water - Quan. - Irrig.	2. Efficient water use	2. Improved production
3. Plants - Est/Growth/Harv	3. Proper timing	3. Increased grass yields
4. Plants - Nutrient	4. Soil testing	4. Proper fert. rates
5. Animals - Water	5. Improved distribution	5. Better use of forage
6. Animals - Pop/Res. Bal.	6. 4 acres/AU	6. 2 ac/AU increase
7.	7.	7.
8.	8.	8.
9.	9.	9.
10.	10.	10.

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

1. Soil - Condition - Compaction	_X_YES	___NO
2. Water - Quantity - Management - Irrigated	_X_YES	___NO
3. Plants - Management - Establishment, Growth & Harvest	_X_YES	___NO
4. Plants - Management - Nutrient	_X_YES	___NO
5. Animals - Habitat - Domestic Water	_X_YES	___NO
6. Animals - Management - Population & Resource Balance	_X_YES	___NO
7.	___YES	___NO
8.	___YES	___NO

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	**Field Office**	BoiseCity	**MLRA**	77B

Soil Interpretations

Resource Concerns / Cons. Practices	Soil Condition Compact.	Water Quantity Irrigation	Plants Est/Grwth/ Harvest	Plants Nutrient	Animals Water	Animals Pop/Res. Balance				
Fencing	0	0	+	0	+	+				
Irr. Pipeline	0	+	+	0	0	+				
Irr Sys Sprnklr	0	+	+	0	0	+				
Irr Wtr Mgnt	0	+	+	0	0	+				
Liv. Pipeline	0	0	+	0	+	+				
Grz Lnd Mec Trmt	+	+	+	0	+	+				
Nutr Mgnt	0	0	+	+	+	+				
Tank/Trough	+	0	+	0	+	+				
Pres.Grazing	+	+	+	+	+	+				
Liv. Well	+	0	+	0	+	+				