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	Rangeland Interpretations
5.5	ANIMAL	Threatened & Endangered Species List, Wildlife Interpretations
5.6	HUMAN	
6.	HYDROLOGIC UNIT	11100103-014
7.	SYSTEM TEMPLATE LABEL	DADZB
8.	SYSTEM NAME	Aqua Fria Creek
9.	PLANNING PHASE	Non-Benchmark
10.	PLANNING LEVEL	RMS
11.	NRCS LANDUSE	Grazed Range
12.	PLANNED CONSERVATION PRACTICES	*list practices in the system*

1. Brush Control (314)
2. Diversion Terrace (362)
3. Windbreak/Shelterbelt Establishment (380)
4. Fencing (382)
5. Grade Stabilization Structure (410)
6. Livestock Pipeline (516)
7. Prescribed Grazing (528A)
8. Tank or Trough (614)
9. Livestock Water Well (642)
10. Pest Management (595)
11. Decommissioning Abandoned Water Wells (997)

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

This system consists of short grass rangeland. Installation of cross fences, pipelines, livestock tanks and wells can be used to distribute grazing more evenly. They may also be used with prescribed grazing to plant suitability, health and vigor while encouraging growth of higher producing grasses. Gully erosion and runoff on slopes can be reduced through the construction of grade stabilization structures and diversion terraces. Brush control and pest management can be used when forage production losses make it economically feasible. Wellheads should be fenced to reduce hazard of direct contamination of groundwater from livestock. Oil and gas well sites can be treated with mechanical treatment and left for natural restoration to occur. These areas may also need to be fenced during recovery periods. A planned grazing system can decrease the Ac/AU. Windbreaks and shelterbelts will be installed to provide shelter which will reduce livestock weight and death loss, and provide browse forage for wildlife. Proper capping of abandoned wells will eliminate direct contamination of groundwater.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Soil - Erosion - Gullies	1. 1 Tons/Yr	1. 14 Tons/Yr reduction
	2. Water - Grndwtr Contam	2. Control contamination	2. Improve water quality
	3. Plants - Suitability	3. Higher quality plants	3. Increased production
	4. Plants - Productivity	4. 2200 lbs./acre	4. 1400 lbs/acre increase
	5. Plants - Health & Vigor	5. Improved root growth	5. Increased production
	6. Plants - Est/Grwth/Harv.	6. Proper utilization	6. Increased production
	7. Plants - Pest	7. 10% production loss	7. 40% improvement
	8. Animal - Hab. - Shelter	8. Available shelter	8. Improved animal health
	9. Animal - Hab. - Water	9. Improved distribution	9. Improved Utilization
	10. Animal - Pop/Res. Bal.	10. 20 Acres/AU	10. 5 Acres/AU

17.	QUALITY CRITERIA DOCUMENTATION *list resource concerns then indicate yes/no*		
	1. Soil - Erosion - Concentrated Flow - Classic Gullies	_X_ YES	___NO
	2. Water - Quality - Groundwater Contamination	_X_ YES	___NO
	3. Plants - Suitability	_X_ YES	___NO
	4. Plants - Condition - Productivity	_X_ YES	___NO
	5. Plants - Condition - Health and Vigor	_X_ YES	___NO
	6. Plants - Management - Establishment, Growth and Harvest	_X_ YES	___NO
	7. Plants - Management - Pest	_X_ YES	___NO
	8. Animal - Habitat - Domestic - Shelter	_X_ YES	___NO
	9. Animal - Habitat - Domestic - Water	_X_ YES	___NO
	10. Animal - Management - Population and Resource Balance	_X_ 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 Erosion Gullies	Water Grndwtr Contam.	Plants Suita-bility	Plants Produc-tivity	Plants Health & Vigor	Plants Est/Grwth/ Harvest	Plants Pests	Animal Habitat Shelter	Animal Habitat Water	Animal Pop/Res./ Bal.
Brsh Cntrl	+	−	+	+	+	+	+	−	0	+
Div. Terrace	+	−	0	+	+	+	0	0	+	+
Wnd/Shlt Break	0	0	+	+	+	+	0	+	0	+
Fencing	+	0	+	+	+	+	+	+	+	+
GSS	+	+	0	0	0	0	0	+	+	+
Liv. Pipeline	+	0	+	+	+	+	+	0	+	+
Pres.Grazing	+	+	+	+	+	+	+	+	+	+
Tank/Trough	+	0	+	+	+	+	+	0	+	+
Liv.Wtr.Well	+	0	+	+	+	+	+	0	+	+
Pest Mngmt	+	+	+	+	+	+	+	−	0	0
Dec. Abnd Well	0	+	0	0	0	0	0	0	0	0