MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Taloga - Dewey County
3.	MLRA	78C
4.	COMMON RESOURCE AREA (CRA)	078C.40.010
5.	RESOURCE INTERPRETATIONS	
5.1	SOIL	Soil Legends, Technical/Non-Technical Soils Interpretations
5.2	WATER	Water Quantity and Quality Interpretations
5.3	AIR	
5.4	PLANT	Rangeland Interpretations
5.5	ANIMAL	Threatened and Endangered Species List; Wildlife Interpretations
5.6	HUMAN	
6.	HYDROLOGIC UNIT	11100301-030; 11090201-030, 060
7.	SYSTEM TEMPLATE LABEL	FJDZA
8.	SYSTEM NAME	Riverbottom
9.	PLANNING PHASE	Benchmark
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Grazed Range
12.	EXISTING CONSERVATION PRACTICES	

1. Trough or Tank (614)
2. Well (642)
3.
4.
5.

13. SYSTEM NARRATIVE

This system consists of perennial rangeland occuring in the bottomlands of the South Canadian River. The natural vegetation consists of tall grasses mixed with Cottonwoods and heavy plum thickets. Water penetrates these soils so rapidly that little moisture is stored for growth of plants. A history of continuous overgrazing has reduced plant health and lowered the overall rangeland productivity. Wind erosion and drought are common problems within the system. A general lack of livestock watering facilities also creates problems of grazing distribution. Eastern red cedar can be a prolific invader in overgrazed areas within this system.

14. RESOURCE CONCERNS	MAGNITUDE/EFFECTS
1. Soil - Erosion - Wind	1. 7 tons/yr soil loss
2. Plants - Condition - Health/Vigor	2. Reduction of plant vigor
3. Plants - Mngmt - Pest	3. Eastern redcedar infestat.
4. Animal - Mngmt - Pop/Res Balance	4. Inadeq. stocking rates
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effects		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
SOIL						
Erosion						
Sheet and rill			✓			
Wind				✓		
Irrigation induced			✓			
Concentrated flow						
Cropland ephemeral gully			✓			
Classic gully			✓			
Soil mass movement			✓			
Roadbank and construction sites			✓			
Streambank erosion			✓			
Condition						
Tilth			✓			
Compaction			✓			
Soil contaminants			✓			
Deposition (Onsite & Offsite)						
Damage			✓			
Safety			✓			
WATER						
Quantity						
Seeps			✓			
Flooding			✓			
Subsurface water			✓			
Restricted capacity			✓			
Conveyance			✓			
Inadequate outlets			✓			
Restricted capacity, water bodies			✓			
Water management--irrigated			✓			
Water management--non-irrigated			✓			
Quality						
Contaminants			✓			
Aquatic habitat suitability			✓			
AIR						
Quality						
Sediment			✓			
Smoke			✓			
Chemical drift			✓			
Odors			✓			
Fungi			✓			
Molds			✓			
Pollen			✓			
Condition						
Temperature			✓			
Air movement			✓			
Humidity			✓			

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effects		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
PLANTS						
Suitability						
Adapted to site			✓			
Intended use			✓			
Condition						
Productivity			✓			
Health and vigor				✓		
Management						
Establishment			✓			
Growth			✓			
Harvest			✓			
Nutrient management			✓			
Pests				✓		
Threatened and endangered species			✓			
ANIMALS						
Habitat						
Food			✓			
Cover/Shelter			✓			
Water			✓			
Management						
Population and Resource Balance				✓		
Animal Health			✓			

References:
NPPH Pages 75-78
FOTG Section III - Quality Criteria
GM -450 Part 401 Paragraph 401.03