

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	Pastureland and Hayland Interpretations	
5.5	ANIMAL	Threatened and Endangered Species List	
5.6	HUMAN		
6.	HYDROLOGIC UNIT	11100301-030; 11090201-030, 060	
7.	SYSTEM TEMPLATE LABEL	FJJZA	
8.	SYSTEM NAME	Riverbottom	
9.	PLANNING PHASE	Benchmark	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	Pasture	
12.	EXISTING CONSERVATION PRACTICES		
	<ol style="list-style-type: none"> 1. Pasture and Hayland Planting (512) 2. Wells (614) 3. Tanks (642) 4. 5. 		
13.	SYSTEM NARRATIVE		
	<p>This system consists of perennial, introduced grasses planted on riverbottom soils, primarily Lincoln, which are level to nearly level. The primary grasses grown are Jose tall wheatgrass and Bermudagrass with some Fescue. Cow/calf and stocker calves are the primary users of the resource. Wind erosion can be a concern on areas where adequate ground cover does not exist. Overgrazing of the pastures is common, which reduces the health and vigor of the grasses, increases runoff and promotes the infestation of Eastern redcedar. Fertilizer is commonly applied without regard to soil test recommendations. The close proximity to the South Canadian River can provide a surface water contamination concern from nutrients, pesticides and other chemicals.</p>		
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> 1. Soil - Erosion - Wind 2. Water - Qual. - Contaminants 3. Plants - Condition - Health/Vigor 4. Plants - Mngmt. - Nutrient 5. Plants - Mngmt. - Pest 6. Animals - Mngt. - Pop/Res. Balance 7. 8. 9. 10. 	<ol style="list-style-type: none"> 1. 7 Tons/yr soil loss 2. Pollution of S. Canad. 3. Low forage production 4. Inadequate fert. use 5. Cedar infestation 6. Improper stocking rates 7. 8. 9. 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			✓			

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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