

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Cherokee - Alfalfa County	
3.	MLRA	80A	
4.	COMMON RESOURCE AREA (CRA)	080A.40.002	
5.	RESOURCE INTERPRETATIONS		
5.1	SOIL	Soils Legends; Technical & Non-Technical Soils Interpretations	
5.2	WATER	Water Quantity & Quality Interpretations/Water Budgets	
5.3	AIR		
5.4	PLANT	Pastureland Interpretations	
5.5	ANIMAL	Threatened and Endangered Species List; Wildlife Interpretations	
5.6	HUMAN		
6.	HYDROLOGIC UNIT	1106000-065, 046; 11060004-060, 040	
7.	SYSTEM TEMPLATE LABEL	GBJZA	
8.	SYSTEM NAME	Bottomland	
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. Trough or Tank (614) 3. Well (642) 4. 5. 	
13.	SYSTEM NARRATIVE	<p>This system consists primarily of established Bermudagrass and Jose Tall Wheatgrass. The vast majority of the landscape is level to gently sloping with deep well-drained soils on broad terraces and uplands. Most of the grass areas are small acreages and often only grazed in conjunction with the cropland or cut for hay. This leads to the grass resource being over or under utilized, resulting in plant growth of low vigor and poor quality. Soil tests or desired forage production are rarely used in determining fertilizer needs. The area is grazed mostly by stocker/yearling calves with a few cow/calf operations. Existing livestock water wells, tanks and fences are inadequate to meet grazing management needs. This resource area floods frequently and sediment from offsite causes damage to the grazing resource. Gullies also form as overhead water enters the creeks and drains.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> 1. Soil - Erosion - Gully 2. Soil - Deposition - Damage 3. Water - Quant. - Flooding 4. Water - Qual. - Contamination 5. Plant - Condition - Productivity 6. Plant - Condition - Health/Vigor 7. Plant - Mngmt. - Nutrient 8. Animal - Habitat - Water 9. Animal - Mgmt - Pop./Res. Bal. 10. 	<ol style="list-style-type: none"> 1. Soil loss - 30 Ton/Yr 2. Decreasing grazing 3. Damage/lost production 4. Higher sediment & fert. loads 5. Low forage production & quality 6. Low plant health & vigor 7. Improper application of fert. 8. Inadequate for livestock 9. Improper stocking rates 10. 	

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effect		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 Effect		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(domestic/wildlife)						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water				✓		
Threatened and endangered species			✓			
Management						
Population and Resource Balance				✓		
Animal Health			✓			

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