

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Guymon - Texas County	
3.	MLRA	77A	
4.	COMMON RESOURCE AREA (CRA)	077A.40.001	
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	All	
7.	SYSTEM TEMPLATE LABEL	CAJKC	
8.	SYSTEM NAME	Flatlands - Irrigated - OWB	
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 Planting (512) 2. 3. 4. 5. 	
13.	SYSTEM NARRATIVE	<p>This system consists of introduced, warm-season, Old world bluestem under irrigation. Soils range from fine sandy loams to clay loams on nearly level to gently rolling slopes. Continuous grazing and improper stocking rates are restricting optimum grass production. Fertilizer is not being applied according to grass production needs.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> 1. Soil - Condition - Compaction 2. Water - Quant. - Mgmt. - Irrigated 3. Plants - Mngmt. - Est./Growth/Harvest 4. Plants - Mngmt. - Nutrient 5. Animals - Habitat - Domes. Water 6. Animals - Mngmt. - Pop./Resource Bal. 7. 8. 9. 10. 	<ol style="list-style-type: none"> 1. 5% production loss 2. Inefficient use of water 3. Improper timing 4. Lack of soil testing 5. Poor distribution 6. 6 acres/AU 7. 8. 9. 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			✓			

Conservation Management Systems

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