

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Watonga - Blaine County	
3.	MLRA	80A	
4.	COMMON RESOURCE AREA (CRA)	080A.40.001	
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	11050002-020, 050, 070, 100; 11090201-060, 070, 080, 090; 11090202-010, 020, 030; 11100301-040, 050	
7.	SYSTEM TEMPLATE LABEL	GAJZA	
8.	SYSTEM NAME	Sloping Uplands	
9.	PLANNING PHASE	BENCHMARK	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	Pasture	
12.	EXISTING CONSERVATION PRACTICES		
		<ol style="list-style-type: none"> 1. Pond (378) 2. Pasture and Hayland Planting (512) 3. Trough or Tank (614) 4. Well (642) 5. 	
13.	SYSTEM NARRATIVE		
		<p>This system includes established Bermudagrass and/or Old world bluestems on upland, loamy soils with varying depth and slope. Livestock utilizing the grazing resource include cow/calf and/or stockers. Grazing occurs without consideration to balancing livestock numbers to forage quantity and quality, with overgrazing common. Fertilizers and pesticides, if utilized, are applied without determining plant needs for desired production and pest infestation levels. Resulting plant growth is of low vigor and poor quality. Broadleaf weeds and Eastern redcedar become a problem when overgrazed. Existing livestock water facilities are inadequate to meet grazing management needs. Flooding, as a result of reduced stream capacity, occurs adjacent to rivers and streams. Gully erosion is common on shallow and/or poorly vegetated soils.</p>	
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> 1. Soil - Erosion - Gully 2. Soil - Erosion - Streambank 3. Water - Quant. - Flooding 4. Plant - Condition - Productivity 5. Plant - Condition - Health/Vigor 6. Plant - Mngmt. - Nutrient 7. Plant - Mngmt. - Pest 8. Animal - Habitat - Water 9. Animal - Mgmt - Pop./Res. Bal. 	<ol style="list-style-type: none"> 1. Soil loss - 50 Ton/Yr 2. Soil loss - 50 Ton/Yr 3. Damage/lost production 4. 70% potential production 5. Low plant health & vigor 6. Improper application of fert. 7. Nutrient/Moisture competition 8. 1/2 needed water storage 9. 5 AUM's/Ac 	

Conservation Management Systems

08DA.40.001

Certification of Quality Criteria

GATZA
GATZ B

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
SOIL						
Erosion						
Sheet and rill			N/A			
Wind			N/A			
Irrigation induced			N/A			
Concentrated flow						
Cropland ephemeral gully			N/A			
Classic gully				✓		
Soil mass movement			✓			
Roadbank and construction sites			N/A			
Streambank erosion				✓		
Condition						
Tilth			N/A			
Compaction			N/A			
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			N/A			
Water management--non-irrigated			N/A			
Quality						
Contaminants			✓			
Aquatic habitat suitability			✓			
AIR						
Quality						
Sediment			✓			
Smoke				✓ (A)		
Chemical drift			✓			
Odors			✓			
Fungi			✓			
Molds			✓			
Pollen			✓			
Condition						
Temperature			✓			
Air movement			✓			
Humidity			✓			

(A) After treatment

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 <i>Domestic Animal Requirements</i>				✓		
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