

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	Rangeland 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	GADZA	
8.	SYSTEM NAME	Sloping Uplands	
9.	PLANNING PHASE	BENCHMARK	
10.	PLANNING LEVEL	N/A	
11.	NRCS LANDUSE	Grazed range	
12.	EXISTING CONSERVATION PRACTICES		
	<ol style="list-style-type: none"> 1. Pond (378) 2. Range Seeding (550) 3. Trough or Tank (614) 4. Well (642) 5. 		
13.	SYSTEM NARRATIVE		
	<p>This system consists of fair condition native tall and mid-grass pastures on upland, loamy soils varying in depth and slope. Streambank erosion, as a result of frequent flooding, occurs adjacent to rivers and streams. Gully erosion is common on poorly vegetated soils. Pesticides, if utilized, are applied without determining pest infestation levels. Livestock utilizing the grazing resource includes cow/calf and/or stockers. Grazing occurs without due consideration to balancing livestock numbers to forage quantity and quality, with overgrazing common. Resulting plant growth is low in production, low in vigor and poor in quality. Existing livestock water facilities are inadequate to meet grazing management needs. Eastern redcedar and broadleaf weeds are a problem when overgrazed.</p>		
14.	RESOURCE CONCERNS		MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> 1. Soil - Erosion - Gully 2. Soil - Erosion - Streambank 3. Water - Quantity - Flooding 4. Plant - Condition - Productivity 5. Plant - Condition - Health & Vigor 6. Plant - Mngmt - Pest 7. Animal - Habitat - Water 8. 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. 3000 lbs/ac/yr 5. Low plant health & vigor 6. Nutrient/moisture competition 7. 50% needed water storage 8. 12-15 Ac/AU/yr

Conservation Management Systems
Certification of Quality Criteria

080A.40.001
 GADZA
 GADZB

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			N/A			
Growth			✓			
Harvest			✓			
Nutrient management			N/A			
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