

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.40.006	
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	Rangeland Interpretations	
5.5	ANIMAL	Threatened and Endangered Species List; Wildlife Interpretations	
5.6	HUMAN		
6.	HYDROLOGIC UNIT	11050002-020, 050, 070, 100	
7.	SYSTEM TEMPLATE LABEL	GFDZA	
8.	SYSTEM NAME	Gypsum Hills	
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. Trough or Tank (614) 3. Livestock Well (642) 4. 5. 	
13.	SYSTEM NARRATIVE		
	<p>This system consists of perennial native grasses on shallow, steep sloping upland soils. Gypsum outcrops are common throughout the area. The grass complex is diversified from short to mid-tall grasses, depending on past grazing patterns, with invading Eastern redcedar and Mesquite. This area is primarily used for livestock production with wildlife management as a secondary landuse. Gully erosion is a common occurrence, sometimes separating pastures. Grazing occurs without consideration to balancing livestock numbers to forage available, with overgrazing common, resulting in plants of low vigor and poor productivity. Water facilities are inadequate to distribute grazing causing both over grazing and under utilization of grasses within a pasture.</p>		
14.	RESOURCE CONCERNS		MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> 1. Soil - Erosion - Classic gullies 2. Plants - Condition - Productivity 3. Plants - Condition - Health/Vigor 4. Plants - Mgt - Est/Growth/Harvest 5. Plants - Mgt - Pest 6. Animal - Habitat - Domestic Water 7. Animal - Mgt. - Pop/Res. Balance 8. 9. 10. 		<ol style="list-style-type: none"> 1. 40 tons/yr 2. Forage prod. 1500 lb/ac 3. Low quality/palatability 4. Low production/no goals 5. Moisture/nutrient competition 6. Inadequate facilities 7. Poor distribution 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			✓			

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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