

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma	
2.	FIELD OFFICE	Buffalo - Harper County	
3.	MLRA	77E	
4.	COMMON RESOURCE AREA (CRA)	077E.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	Rangeland Interpretations	
5.5	ANIMAL	Threatened and Endangered Species List; Wildlife Interpretations	
5.6	HUMAN		
6.	HYDROLOGIC UNIT		
7.	SYSTEM TEMPLATE LABEL	EADZA	
8.	SYSTEM NAME	Sandy Uplands and Dunes	
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. Wells (642) 2. Trough or Tank (614) 3. 4. 5. 		
13.	SYSTEM NARRATIVE		
	<p>This system consists of mid to tall grass native rangelands, used almost solely for livestock production. Landscape consists of gently rolling to moderately sloping sandy textured soils with some extensive dune areas. Sand Sage and Yucca are commonly found throughout the area. Poor economic conditions have restricted the use of range management practices such as rotational grazing, adequate livestock watering facilities and brush management. Gully erosion and oil field sites along with "blow out" areas in the dune soils, are the major kinds of erosion within this system. The sandy texture of the soil allows improperly applied pesticides to leach into the groundwater.</p>		
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	
	<ol style="list-style-type: none"> 1. Soil - Erosion - Classic gullies 2. Soil - Erosion - Drilling sites 3. Water - Quality - Groundwater 4. Plants - Condition - Health & Vigor 5. Plants - Mngmt - Est., Growth, Harv 6. Plants - Mngmt - Pest 7. Animals - Mngmt - Pop./Res. Balance 8. 9. 10. 	<ol style="list-style-type: none"> 1. 60 tons/yr 2. 20 tons/yr 3. Contaminated water 4. Poor forage production 5. Poor grazing distribution 6. Reduce forage prod. by 40-60% 7. Decrease animal performance 8. 9. 10. 	

Conservation Management Systems

Certification of Quality Criteria

GRAZED RANGE

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 <i>DRILLING SITES</i>		✓				
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

SANDY

Certification of Quality Criteria

GRAZED RANGE

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 <i>BRUSH</i>		✓				
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