

## MANAGEMENT SYSTEM TEMPLATE

### A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Cheyenne - Roger Mills County
3.	MLRA	78C
4.	COMMON RESOURCE AREA (CRA)	078C.40.012
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	11130301-020, 030, 040, 070, 016
7.	SYSTEM TEMPLATE LABEL	FLDZA
8.	SYSTEM NAME	Cheyenne Sandy 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"> <li>1. Trough or Tank (614)</li> <li>2. Well (642)</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>
13.	SYSTEM NARRATIVE	<p>This system consists of perennial rangeland used primarily for livestock production, with some wildlife emphasis. Vegetation consists mostly of tall and mid grasses. Some woody plants, such as Sandsage, Shinnery oak and Eastern redcedar are common. The landscape consists of gently rolling to moderately sloping sandy textured soils. The majority of the area is located within the boundaries of the Upper Washita Watershed. Skipout Lake is well known for its nitrate contamination. Approximately 25,000 acres are managed for native grass and wildlife as a part of the Blackkettle National Grasslands. Poor economic conditions have restricted the use of range management practices such as brush management, rotational grazing systems, livestock water facilities, etc. Gully erosion is the predominant erosion found within this area along with erosion on oil field drilling sites. The sandy texture of the soil can create a potential leaching hazard of contaminants into the groundwater supply.</p>
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	<ol style="list-style-type: none"> <li>1. Soil - Erosion - Classic Gullies</li> <li>2. Soil - Erosion - Drilling Sites</li> <li>3. Water - Qual - Groundwater/Pestic.</li> <li>4. Water - Qual - Surface Contam.</li> <li>5. Plants - Condition - Health/Vigor</li> <li>6. Plants - Condition - Est/Grwth/Harv</li> <li>7. Plants - Mgt - Pests</li> <li>8. Animal - Mgt - Population/Res. Bal</li> <li>9.</li> <li>10.</li> </ol>	<ol style="list-style-type: none"> <li>1. 60 tons/yr soil loss</li> <li>2. 20 tons/yr soil loss</li> <li>3. Possible contamination</li> <li>4. Skipout Lake - high nitrates</li> <li>5. Poor forage production</li> <li>6. Poor grazing distribution</li> <li>7. Reduce forage prod. 50%</li> <li>8. Decrease forage prod.</li> <li>9.</li> <li>10.</li> </ol>

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Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effects		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
<b>SOIL</b>						
Erosion						
Sheet and rill			✓			
Wind			✓			
Irrigation induced			✓			
<b>Concentrated flow</b>						
Cropland ephemeral gully			✓			
Classic gully				✓		
Soil mass movement			✓			
Roadbank and construction sites <b>DRILLING SITES</b>				✓		
Streambank erosion			✓			
<b>Condition</b>						
Tilth			✓			
Compaction			✓			
Soil contaminants			✓			
<b>Deposition (Onsite &amp; Offsite)</b>						
Damage				✓		
Safety			✓			
<b>WATER</b>						
<b>Quantity</b>						
Seeps			✓			
Flooding			✓			
Subsurface water			✓			
Restricted capacity			✓			
Conveyance			✓			
Inadequate outlets			✓			
Restricted capacity, water bodies			✓			
Water management--irrigated			✓			
Water management--non-irrigated			✓			
<b>Quality</b>						
Contaminants				✓		
Aquatic habitat suitability			✓			
<b>AIR</b>						
<b>Quality</b>						
Sediment			✓			
Smoke			✓			
Chemical drift			✓			
Odors			✓			
Fungi			✓			
Molds			✓			
Pollen			✓			
<b>Condition</b>						
Temperature			✓			
Air movement			✓			
Humidity			✓			

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**Certification of Quality Criteria**

RESOURCE CONSIDERATION/PROBLEM	Term Effects		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
<b>PLANTS</b>						
Suitability						
Adapted to site			✓			
Intended use			✓			
<b>Condition</b>						
Productivity			✓			
Health and vigor				✓		
<b>Management</b>						
Establishment			✓			
Growth				✓		
Harvest			✓			
Nutrient management			✓			
Pests				✓		
Threatened and endangered species			✓			
<b>ANIMALS</b>						
Habitat						
Food			✓			
Cover/Shelter			✓			
Water			✓			
<b>Management</b>						
Population and Resource Balance				✓		
Animal Health			✓			

References:  
 NPPH Pages 75-78  
 FOTG Section III - Quality Criteria  
 GM -450 Part 401 Paragraph 401.03