# MANAGEMENT SYSTEM TEMPLATE

## A. BENCHMARK SYSTEM WORKSHEET

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| 1. | STATE | Oklahoma |
| 2. | FIELD OFFICE | Anadarko, Chickasha, Clinton, Duncan, Lawton, Norman, Pauls Valley, Walters, Waurika |
| 3. | MLRA | 80A Central Rolling Red Prairies |
| 4. | COMMON RESOURCE AREA (CRA) | 080A.40.010 |
| 5. | RESOURCE INTERPRETATIONS | |
| 5.1 | SOIL | Technical and Nontechnical Interpretations<br>Rangeland Interpretations |
| 5.2 | WATER | Water Quality and Quantity Interpretations |
| 5.3 | AIR | N/A |
| 5.4 | PLANT | Rangeland Interpretations |
| 5.5 | ANIMAL | N/A |
| 5.6 | HUMAN | N/A |
| 6. | HYDROLOGIC UNIT | Combines What Was Map Areas 36 and 45 in Caddo, Cleveland, Comanche, Cotton, Custer, Garvin, Grady, Jefferson, and Stephens Counties into a New Map Area 45 (080A.40.010) |
| 7. | SYSTEM TEMPLATE LABEL | GJDZ0 |
| 8. | SYSTEM NAME | Rangeland, Master Benchmark |
| 9. | PLANNING PHASE | Benchmark |
| 10. | PLANNING LEVEL | N/A |
| 11. | NRCS LANDUSE | GRAZED RANGE |
| 12. | EXISTING CONSERVATION PRACTICES | |
| | 1. None<br>2.<br>3.<br>4. | |
| 13. | SYSTEM NARRATIVE | |
| | This benchmark system consists of native grasses, forbs, trees, and shrubs growing on loamy and sandy upland soils. The major ecological sites include Hardland, Loamy Prairie, Red Clay Prairie, Sandy Prairie, Deep Sand Savannah, and Slickspot. The Slickspots have a hard alkali crust that greatly limits the vegetation to species that are very salt tolerant and are not very productive. Most of the rangelands are overgrazed and are in fair to poor condition. Other resource concerns include gully erosion and inadequate livestock watering facilities. In some areas infestations of mesquite and cactus have greatly reduced forage production. Some areas have had significant oil field exploration activities which have caused critical erosion problems and soil contamination from drilling fluids. | |
| 14. | RESOURCE CONCERNS | MAGNITUDE/EFFECTS |
| | 1. Forage Production<br>2. Classic Gully Erosion<br>3. Livestock Watering Facilities<br>4. Brush Control<br>5. Soil Salinity<br>6. Soil Contamination - Oil Field | 1. Carrying Capacity < 1.4 AUMs<br>2. Soil Loss > 30 tons/year<br>3. Grazing Management Is Reduced<br>4. Brush Canopy > 30%<br>5. Carrying Capacity < 0.3 AUMs<br>6. Forage Production Is Limited |