

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 Cropland Interpretations | |
| 5.2 | WATER | Water Quality and Quantity Interpretations | |
| 5.3 | AIR | N/A | |
| 5.4 | PLANT | Cropland 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 | GJAZ0 | |
| 8. | SYSTEM NAME | Cropland, Master Benchmark | |
| 9. | PLANNING PHASE | Benchmark | |
| 10. | PLANNING LEVEL | N/A | |
| 11. | NRCS LANDUSE | CROP | |
| 12. | EXISTING CONSERVATION PRACTICES | | |
| | <ol style="list-style-type: none"> 1. 328 Conservation Crop Rotation 2. 3. 4. | | |
| 13. | SYSTEM NARRATIVE | | |
| | <p>This benchmark system consists of cultivated crops such as peanuts, cotton, small grains, grain sorghum, and alfalfa planted on loamy and sandy upland soils. Sprinkler irrigation systems are common. Most irrigation water comes from wells. The primary resource concerns are maintaining soil structure, controlling erosion from wind erosion, sheet and rill erosion, and ephemeral gully erosion, maintaining soil fertility, and managing irrigation water application. Most tillage systems are conventional and include moldboarding almost every year. Parts of this area have had significant oil and gas exploration activities which have created many sites with critical erosion and soil contamination by drilling fluids.</p> | | |
| 14. | RESOURCE CONCERNS | | MAGNITUDE/EFFECTS |
| | <ol style="list-style-type: none"> 1. Plow Pans 2. Wind Erosion 3. Sheet and Rill Erosion 4. Ephemeral Gully Erosion 5. Irrigation Water Management 6. Oil Field Erosion 7. Soil Contaminants, Oil Field | | <ol style="list-style-type: none"> 1. Soil Water Intake < 0.5 inches/hour 2. Soil Loss > 8 tons/acre/year 3. Soil Loss > 8 tons/acre/year 4. Soil Loss > 50 tons/year 5. Irrigation Water Efficiency < 50% 6. Soil Loss > 20 tons/year 7. Crop Production Reduced |