

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

| | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. | STATE | Oklahoma | |
| 2. | FIELD OFFICE | Taloga - Dewey County | |
| 3. | MLRA | 78C | |
| 4. | COMMON RESOURCE AREA (CRA) | 078C.40.009 | |
| 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 | Cropland Interpretations | |
| 5.5 | ANIMAL | Threatened and Endangered Species List | |
| 5.6 | HUMAN | | |
| 6. | HYDROLOGIC UNIT | 11090201-040, 050 | |
| 7. | SYSTEM TEMPLATE LABEL | FIAOA | |
| 8. | SYSTEM NAME | Taloga Flats | |
| 9. | PLANNING PHASE | Benchmark | |
| 10. | PLANNING LEVEL | N/A | |
| 11. | NRCS LANDUSE | Crop | |
| 12. | EXISTING CONSERVATION PRACTICES | | |
| | <ol style="list-style-type: none"> 1. 2. 3. 4. 5. | | |
| 13. | SYSTEM NARRATIVE | | |
| | <p>This cropland system consists of small grains planted on deep well drained soils that are high in organic matter. This area contains the most productive cropland in Dewey County. These soils have a very slight susceptibility to water erosion, therefore some fields contain terraces systems. Soils will crust readily after hard rains and plow plans may form if tillage is not varied. Fertilizer is often applied without regard to soil test recommendations. Typical cropland pests include Greenbugs, Cheat and Bindweed. The close proximity of this area to the South Canadian River can cause potential surface water quality concerns, when chemicals are used for crop production.</p> | | |
| 14. | RESOURCE CONCERNS | MAGNITUDE/EFFECTS | |
| | <ol style="list-style-type: none"> 1. Soil - Erosion - Sheet and Rill 2. Soil - Condition - Crusting 3. Soil - Condition - Compaction 4. Water - Quality - Contaminants 5. Plants - Management - Nutrient 6. Plants - Management - Pest 7. 8. 9. 10. | <ol style="list-style-type: none"> 1. 10 Tons/Ac/Yr 2. Soil Condition Index <0.0 3. Poor water infiltration 4. S. Canadian River contam. 5. Improper fert. rates 6. Competition to crops 7. 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 | | | ✓ | | | |

Conservation Management Systems

Certification of Quality Criteria

| RESOURCE CONSIDERATION/PROBLEM | Term Effects | | 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 | | | | | | |
| Habitat | | | | | | |
| Food | | | ✓ | | | |
| Cover/Shelter | | | ✓ | | | |
| Water | | | ✓ | | | |
| Management | | | | | | |
| Population and Resource Balance | | | ✓ | | | |
| Animal Health | | | ✓ | | | |

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