

MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

| | | | | |
|-----|---|--|--|--|
| 1. | STATE | Oklahoma | | |
| 2. | FIELD OFFICE | Bristow, Chandler, El Reno, Enid, Guthrie, Kingfisher, Medford, Newkirk, Oklahoma City, Pawhuska, Pawnee, Perry and Stillwater | | |
| 3. | MLRA | 80A | | |
| 4. | COMMON RESOURCE AREA (CRA) | 080A.40.001 | | |
| 5. | RESOURCE INTERPRETATIONS | <i>for each resource enter available interp data</i> | | |
| 5.1 | SOIL | Soils Legend, Technical/Non-Technical Soils Interpretations | | |
| 5.2 | WATER | Water Quantity and Quality Interpretations/Water Budgets | | |
| 5.3 | AIR | | | |
| 5.4 | PLANT | Rangeland Interpretations | | |
| 5.5 | ANIMAL | Threatened & Endangered Species List, Wildlife Interpretations | | |
| 5.6 | HUMAN | | | |
| 6. | HYDROLOGIC UNIT | | | |
| 7. | SYSTEM TEMPLATE LABEL | GADZB | | |
| 8. | SYSTEM NAME | (80A) Native Grass Management | | |
| 9. | PLANNING PHASE | Non-benchmark | | |
| 10. | PLANNING LEVEL | RMS | | |
| 11. | NRCS LANDUSE | Grazed range | | |
| 12. | PLANNED CONSERVATION PRACTICES | <i>list practices in the system</i> | | |
| | | <ol style="list-style-type: none"> 1. (342) Critical Area Planting 2. (382) Fencing 3. (338) Prescribed Burning 4. (528A) Prescribed Grazing 5. (314) Brush Management 6. (580) Streambank and Shoreline Protection 7. (614) Trough or Tank 8. (595) Pest Management 9. (642) Well 10. (516) Pipeline for Livestock 11. (378) Pond 12. (410) Grade Stabilization Structure 13. (362) Diversion 14. (391) Riparian Forest Buffer | | |
| 13. | SYSTEM NARRATIVE | <i>describe how the practices work together as a system</i> | | |
| | | <p>This system consists of good condition native tall and mid-grass pastures on upland, loamy soils varying in depth and slope. Prescribed grazing (facilitated by fencing, ponds, wells, pipelines and/or tanks), critical area planting, diversions, riparian forest buffers, grade stabilization structures and streambank protection will aid in control of gully and/or streambank erosion. Reduced sediment from erosion control will also reduce flood hazard due to improved stream capacity. Livestock water needs will be met with installation of necessary watering facilities. Prescribed grazing (facilitated by fencing, watering facilities and prescribed burning), brush management and pest management will result in proper stocking and improved plant production, site condition, health and vigor. Prescribed burning will produce short term air quality, health and safety concerns due to smoke.</p> | | |
| 14. | RESOURCE CONCERNS | MAGNITUDE/EFFECTS | IMPACTS | |
| | <ol style="list-style-type: none"> 1. Soil-Erosion-Gully 2. Soil-Eros.-Streambank 3. Water-Quant.-Flooding 4. Plant-Mgmt.-For. Prod. 5. Plant-Cond.-Health/Vigor 6. Plant-Mgmt.-Pest 7. Animal-Habitat-Water 8. Anim.-Mgmt.-Pop./Res. 9. Air-Qual.-Smoke (S&H) | <ol style="list-style-type: none"> 1. 0 T/Yr soil loss 2. 0 T/Yr soil loss 3. Improved stream cap. 4. 5000 lbs/Ac/Yr 5. Imp. health & vigor 6. Pests controlled 7. H₂O storage doubled 8. 10-12 Ac/AU/Yr 9. Smoke/safety & health | <ol style="list-style-type: none"> 1. 50 T/Yr soil saved 2. 50 T/Yr soil saved 3. Reduced damage/prod. losses 4. 2000 #/Ac/Yr increased prod. 5. Imp. growth & quality 6. Red. comp./Imp. prod. 7. Water storage increased 100% 8. 2-5 Ac/AU/Yr improvement 9. Short term negative impact | |

Conservation Management Systems

Certification of Quality Criteria

080A. 40.001

GADZA

GADZB

| RESOURCE CONSIDERATION/PROBLEM | Term Effect | | Meets Quality Criteria | | | |
|-----------------------------------|-------------|------|------------------------|------|---------|----|
| | Short | Long | Benchmark | | Planned | |
| | | | Yes | No | Yes | No |
| SOIL | | | | | | |
| Erosion | | | | | | |
| Sheet and rill | | | N/A | | | |
| Wind | | | N/A | | | |
| Irrigation induced | | | N/A | | | |
| Concentrated flow | | | | | | |
| Cropland ephemeral gully | | | N/A | | | |
| Classic gully | | | | ✓ | | |
| Soil mass movement | | | ✓ | | | |
| Roadbank and construction sites | | | N/A | | | |
| Streambank erosion | | | | ✓ | | |
| Condition | | | | | | |
| Tilth | | | N/A | | | |
| Compaction | | | N/A | | | |
| 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 | | | N/A | | | |
| Water management--non-irrigated | | | N/A | | | |
| Quality | | | | | | |
| Contaminants | | | ✓ | | | |
| Aquatic habitat suitability | | | ✓ | | | |
| AIR | | | | | | |
| Quality | | | | | | |
| Sediment | | | ✓ | | | |
| Smoke | | | | ✓(A) | | |
| Chemical drift | | | ✓ | | | |
| Odors | | | ✓ | | | |
| Fungi | | | ✓ | | | |
| Molds | | | ✓ | | | |
| Pollen | | | ✓ | | | |
| Condition | | | | | | |
| Temperature | | | ✓ | | | |
| Air movement | | | ✓ | | | |
| Humidity | | | ✓ | | | |

(A) After treatment

Conservation Management Systems

Certification of Quality Criteria

| 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 | | | N/A | | | |
| Growth | | | ✓ | | | |
| Harvest | | | ✓ | | | |
| Nutrient management | | | N/A | | | |
| Pests | | | | ✓ | | |
| Threatened and endangered species | | | ✓ | | | |
| ANIMALS(domestic/wildlife) | | | | | | |
| Habitat | | | | | | |
| Food | | | ✓ | | | |
| Cover | | | ✓ | | | |
| Shelter | | | ✓ | | | |
| Water <i>Domestic Animal Requirements</i> | | | | ✓ | | |
| 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

