

## MANAGEMENT SYSTEM TEMPLATE

### B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

|     |   |  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
|-----|---|--|---|--|---|-----|----|---|-----|----|---|-----|----|---|-----|----|---|-----|----|---|-----|----|
| 1.  | STATE   | Oklahoma   |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 2.  | FIELD OFFICE  | Guymon - Texas County  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 3.  | MLRA  | 77A  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 4.  | COMMON RESOURCE AREA (CRA)  | 077A.40.001  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 5.  | RESOURCE INTERPRETATIONS  | <i>for each resource enter available interp data</i>   |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 5.1 | SOIL  | Soil Legends, Technical/Non-Technical Soil Interpretations   |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 5.2 | WATER   | Water Quantity and Quality   |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 5.3 | AIR   |  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 5.4 | PLANT   | Pasture & Hayland Interpretations  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 5.5 | ANIMAL  | Threatened & Endangered Species List,  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 5.6 | HUMAN   |  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 6.  | HYDROLOGIC UNIT   | A11  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 7.  | SYSTEM TEMPLATE LABEL   | CAJKD  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 8.  | SYSTEM NAME   | Flatlands - Irrigated - OWB  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 9.  | PLANNING PHASE  | Non-Benchmark  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 10. | PLANNING LEVEL  | RMS  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 11. | NRCS LANDUSE  | Pasture  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 12. | PLANNED CONSERVATION PRACTICES  | <i>list practices in the system</i>  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
|     |   | <ol style="list-style-type: none"> <li>1. Fencing (382)</li> <li>2. Irrigation Pipeline (430FF)</li> <li>3. Irrigation System, Sprinkler (442)</li> <li>4. Irrigation Water Management (449)</li> <li>5. Livestock Pipeline (516)</li> <li>6. Grazing Land Mechanical Treatment (548)</li> <li>7. Nutrient Management (590)</li> <li>8. Tank or Trough (614)</li> <li>9. Prescribed Grazing (528A)</li> <li>10. Livestock Well (642)</li> </ol>  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 13. | SYSTEM NARRATIVE  | <i>describe how the practices work together as a system</i>  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
|     |   | <p>This system consists of introduced, warm-season, Old world bluestem under irrigation. Installation of cross fencing and livestock watering facilities will provide adequate needs of a controlled grazing system. Prescribed grazing will improve techniques and timing of forage removal resulting in an increased plant productivity. Irrigation pipelines and sprinkler irrigation practices enhance Irrigation Water Management to provide water quality and quantity protection. Nutrient management will provide quality and quantity forage production for haying and grazing when applied according to soil analysis, economic thresholds and producer objectives. Subsoiling recycles nutrients, opens surface and subsurface layers of impermeable soils to improve soil moisture allowing grass plants more utilization with less evaporation.</p> |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 14. | RESOURCE CONCERNS   | MAGNITUDE/EFFECTS  | IMPACTS   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
|     | <ol style="list-style-type: none"> <li>1. Soil - Cond. - Compact.</li> <li>2. Water - Quan. - Irrig.</li> <li>3. Plants - Est/Growth/Harv</li> <li>4. Plants - Nutrient</li> <li>5. Animals - Water</li> <li>6. Animals - Pop/Res. Bal.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Forage prod. increase</li> <li>2. Efficient water use</li> <li>3. Proper timing</li> <li>4. Soil testing</li> <li>5. Improved distribution</li> <li>6. 4 acres/AU</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Increased prod. by 5%</li> <li>2. Improved production</li> <li>3. Increased grass yields</li> <li>4. Proper fert. rates</li> <li>5. Better use of forage</li> <li>6. 2 ac/AU increase</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
| 17. | QUALITY CRITERIA DOCUMENTATION <i>list resource concerns then indicate yes/no</i>   |  |   |  |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |   |     |    |
|     | <ol style="list-style-type: none"> <li>1. Soil - Condition - Compaction</li> <li>2. Water - Quantity - Management - Irrigated</li> <li>3. Plants - Management - Establishment, Growth &amp; Harvest</li> <li>4. Plants - Management - Nutrient</li> <li>5. Animals - Habitat - Domestic Water</li> <li>6. Animals - Management - Population &amp; Resource Balance</li> </ol> |  | <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">X</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">NO</td> </tr> <tr> <td style="text-align: right;">X</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">NO</td> </tr> <tr> <td style="text-align: right;">X</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">NO</td> </tr> <tr> <td style="text-align: right;">X</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">NO</td> </tr> <tr> <td style="text-align: right;">X</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">NO</td> </tr> <tr> <td style="text-align: right;">X</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">NO</td> </tr> </table> |  | X | YES | NO |
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