

# MANAGEMENT SYSTEM TEMPLATE

## B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma		
2.	FIELD OFFICE	Chandler and Oklahoma City		
3.	MLRA	84A		
4.	COMMON RESOURCE AREA (CRA)	084A.40.002		
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	Cropland Interpretations		
5.5	ANIMAL	Threatened & Endangered Species List, Wildlife Interpretations		
5.6	HUMAN			
6.	HYDROLOGIC UNIT			
7.	SYSTEM TEMPLATE LABEL	IBAZB		
8.	SYSTEM NAME	(84A) North Canadian River Valley - Cropland		
9.	PLANNING PHASE	Non-benchmark		
10.	PLANNING LEVEL	RMS		
11.	NRCS LANDUSE	Crop		
12.	PLANNED CONSERVATION PRACTICES	<i>list practices in the system</i>		
		<ol style="list-style-type: none"> <li>1. (328) Conservation Crop Rotation</li> <li>2. (329) Residue Management, Mulch Till</li> <li>3. (342) Critical Area Planting</li> <li>4. (362) Diversion</li> <li>5. (393) Filter Strip</li> <li>6. (391) Riparian Forest Buffer</li> <li>7. (580) Streambank &amp; Shoreline Protection</li> </ol>	<ol style="list-style-type: none"> <li>8. (344) Residue Management, Seasonal</li> <li>9. (410) Grade Stabilization Structure</li> <li>10. (590) Nutrient Management</li> <li>11. (595) Pest Management</li> <li>12. (528A) Prescribed Grazing</li> <li>13. (412) Grassed Waterway</li> </ol>	
13.	SYSTEM NARRATIVE	<i>describe how the practices work together as a system</i>		
		<p>This system includes wheat (grain and/or grazed out), grain sorghum, forage sorghum, alfalfa and/or corn (or various rotations of these) on deep bottomland soils. Crop rotation, pest and residue management will aid in breaking pest cycles. Waterways, grade stabilization structures, filter strips, riparian forest buffers, streambank protection and/or critical area planting will protect outlets and streambanks from erosion, protect natural drains from sedimentation and reduce flooding. Crop rotation to deep rooted perennial crops, residue management and/or conservation tillage will aid in erosion control, improved soil tilth and reduced compaction. Nutrient management will benefit production, economics and water quality by keying application rates to plant needs and desired production.</p>		
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS	
	<ol style="list-style-type: none"> <li>1. Soil-Erosion-Streambank</li> <li>2. Soil-Condition-Tilth</li> <li>3. Soil-Cond.-Compaction</li> <li>4. Water-Quantity-Flooding</li> <li>5. Water-Quan.-Inad. Out.</li> <li>6. Plants-Mgmt.-Nutrient</li> <li>7. Plants-Mgmt.-Pests</li> </ol>	<ol style="list-style-type: none"> <li>1. 0 T/Ac soil loss</li> <li>2. Incr. OM/Impr. tilth</li> <li>3. Reduced compaction</li> <li>4. Improved stream cap.</li> <li>5. Stab. outlets</li> <li>6. Proper application</li> <li>7. Weeds controlled</li> </ol>	<ol style="list-style-type: none"> <li>1. 50 T/Yr soil saved</li> <li>2. Soil Cond. Index &gt;0.0</li> <li>3. Imp. plant growth &amp; vigor</li> <li>4. Reduced damage/prod. losses</li> <li>5. Red. gully erodion</li> <li>6. Prod./plant needs met</li> <li>7. Red. comp./Imp. prod.</li> </ol>	

CRA con't	SYSTEM TEMPLATE LABEL cont'd	
17.	<b>QUALITY CRITERIA DOCUMENTATION</b>	<i>List resource concerns, then indicate yes/no</i>
	1. Soil - Erosion - Streambank	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	2. Soil - Condition - Tilt	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	3. Soil - Condition - Compaction	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	4. Water - Quantity - Flooding	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	5. Water - Quantity - Inadequate Outlets	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	6. Plants - Management - Nutrient	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	7. Plants - Management - Pests	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

Conservation Management Systems

084A.40.002

Certification of Quality Criteria

IBA2A  
IBA2B

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
<b>SOIL</b>						
Erosion						
Sheet and rill			✓			
Wind			N/A			
Irrigation induced			✓			
Concentrated flow						
Cropland ephemeral gully			✓			
Classic gully			✓			
Soil mass movement			✓			
Roadbank and construction sites			NA			
Streambank erosion				✓		
Condition						
Tilth				✓		
Compaction				✓		
Soil contaminants			✓			
Deposition (Onsite & Offsite)						
Damage			✓			
Safety			✓			
<b>WATER</b>						
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			✓			
<b>AIR</b>						
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 Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
<b>PLANTS</b>						
Suitability						
Adapted to site			✓			
Intended use			✓			
Condition						
Productivity			✓			
Health and vigor			✓			
Management						
Establishment			✓			
Growth			✓			
Harvest			✓			
Nutrient management				✓		
Pests				✓		
Threatened and endangered species			✓			
<b>ANIMALS(domestic/wildlife)</b>						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water			✓			
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

