

MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Frederick, Hobart, Lawton, Walters
3.	MLRA	78C Central Rolling Red Plains
4.	COMMON RESOURCE AREA (CRA)	078C.40.022
5.	RESOURCE INTERPRETATIONS	<i>for each resource enter available interp data</i>
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	1113012020, 11130202010, 020, 11130203010, 020, 030, 040, 050
7.	SYSTEM TEMPLATE LABEL	FVAZ1
8.	SYSTEM NAME	Cropland, Master CMS
9.	PLANNING PHASE	Non-Benchmark
10.	PLANNING LEVEL	Resource Management System
11.	NRCS LANDUSE	CROP
12.	PLANNED CONSERVATION PRACTICES	<i>list practices in the system</i>
		<ol style="list-style-type: none"> 1. 328 Conservation Crop Rotation 2. 329B Residue Management, Mulch Till 3. 344 Residue Management, Seasonal 4. 362 Diversion 5. 412 Grassed Waterway 6. 571 Soil Salinity Management - Nonirrigated 7. 600 Terrace 8. 9. 10.
13.	SYSTEM NARRATIVE	<i>describe how the practices work together as a system</i>

	<p>This conservation management system consist of cropland planted primarily to wheat and sometimes rotated to cotton or grain sorghum on deep loamy soils with clayey subsoils on uplands. These soils have high water holding capacity but permeability is slow due to the clayey subsoils. Runoff and ephemeral gullies will be reduced by installing grassed waterways, terraces, diversions and/or using residue management to absorb the detaching energy of the raindrops, slow runoff, and improve water intake. Crusting, wind erosion, and blowing dust will be reduced by maintaining residues on the soil surface as recommended. Soil salinity management techniques will reduce the area effected by saline seeps, enhance their productivity, and reduce erosion by wind and water on effected areas.</p>		
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	<ol style="list-style-type: none"> 1. Wind Erosion 2. Ephemeral Gully Erosion 3. Soil Crusting 4. Soil Salinity 5. 6. 7. 8. 9. 	<ol style="list-style-type: none"> 1. Soil Loss > 5 tons/acre/year 2. Soil Loss = 0 tons/year 3. Water Intake Rate \geq 1.5 in/hr 4. Crop Production > 75% of Potential 5. 6. 7. 8. 9. 	<ol style="list-style-type: none"> 1. Soil Loss Reduced by 5 tons/acre/year 2. Soil Loss Reduced by 30 tons/year 3. Water Intake Rates Increased By 0.5 inches/hour 4. Crop Production Increased By 50% of Potential 5. 6. 7. 8. 9.

CRA con't	SYSTEM TEMPLATE LABEL cont'd	
17.	QUALITY CRITERIA DOCUMENTATION	<i>List resource concerns, then indicate yes/no</i>
	1. Wind Erosion	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	2. Ephemeral Gully Erosion	<input type="checkbox"/> YES <input type="checkbox"/> NO
	3. Soil Crusting	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	4. Soil Salinity	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	5.	<input type="checkbox"/> YES <input type="checkbox"/> NO
	6.	<input type="checkbox"/> YES <input type="checkbox"/> NO
	7.	<input type="checkbox"/> YES <input type="checkbox"/> NO
	8.	<input type="checkbox"/> YES <input type="checkbox"/> NO
	9.	<input type="checkbox"/> YES <input type="checkbox"/> NO
	10.	<input type="checkbox"/> YES <input type="checkbox"/> NO

