MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Shattuck - Ellis County
3.	MLRA	78C
4.	COMMON RESOURCE AREA (CRA)	078C.40.001
5.	RESOURCE INTERPRETATIONS	*for each resource enter available interp data*
5.1	SOIL	Soil Legends, Technical/Non-Technical Soil Interpretations
5.2	WATER	Water Quantity and Quality
5.3	AIR	
5.4	PLANT	Cropland Interpretations
5.5	ANIMAL	Threatened & Endangered Species List, Wildlife Interpretations
5.6	HUMAN	
6.	HYDROLOGIC UNIT	11090201-015, 020, 030; 11100203-020; 11100301-020
7.	SYSTEM TEMPLATE LABEL	FAAOB
8.	SYSTEM NAME	Sandy Uplands
9.	PLANNING PHASE	Non-Benchmark
10.	PLANNING LEVEL	RMS
11.	NRCS LANDUSE	Crop
12.	PLANNED CONSERVATION PRACTICES	*list practices in the system*

1. Conservation Crop Rotation (328)
2. Residue Management, Seasonal (344)
3. Residue Management, Mulch Till (329B)
4. Nutrient Management (590)
5. Pest Management (595)
6.
7.
8.
9.
10.

13. SYSTEM NARRATIVE *describe how the practices work together as a system*

This system consists of continuous small grains on sandy upland soils. Residue management and crop rotations are used to control wind erosion and build up soil tilth. Nutrient management will apply fertility measures based on soil tests and crop needs preventing ground water contamination from excess nutrients. Pest management controls undesirable plants and insects below the economic thresholds.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Soil - Eros. - Wind	1. Soil loss of 5 tons	1. 10 ton/ac/yr savings
	2. Soil - Cond. - Tilth	2. Increase organic matter	2. Soil Condition Index >0.0
	3. Water - Qual - Contam.	3. Reduce contaminants	3. Cleaner water
	4. Plants - Mgmt - Nutrient	4. Improve soil fertility	4. Produce higher yields
	5. Plants - Mgmt - Pest	5. Reduce competition	5. Produce higher yields
	6.	6.	6.
	7.	7.	7.
	8.	8.	8.
	9.	9.	9.
	10.	10.	10.

17. QUALITY CRITERIA DOCUMENTATION *list resource concerns then indicate yes/no*

1. Soil - Erosion - Wind	_X_YES	____NO
2. Soil - Condition - Tilth	_X_YES	____NO
3. Water - Quality - Contaminants	_X_YES	____NO
4. Plants - Management - Nutrients	_X_YES	____NO
5. Plants - Management - Pest	_X_YES	____NO
6.	_X_YES	____NO
7.	_X_YES	____NO
8.	_X_YES	____NO
9.	_X_YES	____NO
10.	_X_YES	____NO

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office	Shattuck	MLRA	78C - Sand Uplands & Dunes - Cropland

Soil Interpretations

Resource Concerns / Cons. Practices	Soil: Wind Erosion	Soil: Tilth	Water: Contaminants	Plants: Nutrient Management	Plants: Pest Management					
328	+	+	+	+	0					
344	+	+	+	+	0					
329	+	+	−	0	−					
590	+	+	+	+	+					
595	+	+	0	+	+					