MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Watonga - Blaine County
3.	MLRA	80A
4.	COMMON RESOURCE AREA (CRA)	080A.40.003
5.	RESOURCE INTERPRETATIONS	
5.1	SOIL	Soils Legend, Technical/Non-Tech. Soils Interpretations Hydric Soils Interpretations
5.2	WATER	Water Quantity & Quality Interpretations/Water Budgets
5.3	AIR	
5.4	PLANT	Cropland Interpretations, Windbreak Interpretations.
5.5	ANIMAL	Threatened and Endangered Species List, Wildlife Interpretations
5.6	HUMAN	
6.	HYDROLOGIC UNIT	11050002-020, 050, 070, 100; 11100301-040, 050
7.	SYSTEM TEMPLATE LABEL	GCAZA
8.	SYSTEM NAME	Sandy Land
9.	PLANNING PHASE	BENCHMARK
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Crop
12.	EXISTING CONSERVATION PRACTICES	
	1. (344) Residue Management, Seasonal 2. 3. 4. 5.	
13.	SYSTEM NARRATIVE	
	This system includes continuous wheat (grain and/or grazed out), grain sorghum and forage sorghum (or various rotations of these), on rolling, deep sandy soils. Surface residue is inadequate to control wind erosion. Streambank erosion, as a result of frequent flooding, occurs adjacent to rivers and streams. Resulting silt deposits in fields cause surface drainage problems. Fertilizers and pesticides are commonly applied without determining plant needs for desired production and pest infestation levels. Cheat, rye and various other grassy and/or broadleaf weeds and greenbugs are common pests.	

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	1. Soil - Erosion - Wind	1. Soil loss - 15 Tons/Ac./Yr.
	2. Soil - Erosion - Streambank	2. Soil loss - 50 Tons/Yr.
	3. Soil - Deposition - Damage	3. Silt deposits from overland flow
	4. Water - Quantity - Flooding	4. Damage/lost production
	5. Water - Quantity - Inadeq. Outlets	5. Ponding-Damage/lost production
	6. Plants - Mngmt - Nutrient	6. Improper application of fertilizers
	7. Plants - Mngmt - Pests	7. Nutrient/moisture competition
	8.	8.
	9.	9.
	10.	10.

Conservation Management Systems 080A.40.003

Certification of Quality Criteria GCA2A GCA2B

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
SOIL						
Erosion						
Sheet and rill			✓			
Wind				✓		
Irrigation induced			N/A			
Concentrated flow						
Cropland ephemeral gully			✓			
Classic gully			✓			
Soil mass movement			✓			
Roadbank and construction sites			N/A			
Streambank erosion				✓		
Condition						
Tilth			✓			
Compaction			✓			
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			✓			
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
PLANTS						
Suitability						
Adapted to site			✓			
Intended use			✓			
Condition						
Productivity			✓			
Health and vigor			✓			
Management						
Establishment			✓			
Growth			✓			
Harvest			✓			
Nutrient management				✓		
Pests				✓		
Threatened and endangered species			✓			
ANIMALS(domestic/wildlife)						
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