MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Bristow, Chandler, El Reno, Enid, Guthrie, Kingfisher, Medford, Newkirk, Oklahoma City, Pawhuska, Pawnee, Perry and Stillwater
3.	MLRA	80A
4.	COMMON RESOURCE AREA (CRA)	080A.40.001
5.	RESOURCE INTERPRETATIONS	
5.1	SOIL	Soils Legends, Technical/Non-Technical Soils Interpretations
5.2	WATER	Water Quantity & 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	GAAZA
8.	SYSTEM NAME	(80A) Wheat &/or Grain/Forage Sorghum
9.	PLANNING PHASE	BENCHMARK
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Crop
12.	EXISTING CONSERVATION PRACTICES	

1. (344) Residue Management, Seasonal
2. (412) Waterway
3. (600) Terrace

13. SYSTEM NARRATIVE

This system includes continuous wheat (for grain &/or grazing), grain sorghum and forage sorghum (or various rotations of these) on loamy soils of varying depth and slope. Terraces &/or waterways are present on steeper slopes, but soil erosion by water is a concern on untreated &/or lesser slopes. Gully erosion also occurs where outlets into streams are inadequately protected. Soils are typically low in organic matter (affecting tilth) and compaction restricts root growth when fields are cultivated when too wet. Flooding, as a result of reduced stream capacity, occurs adjacent to rivers and streams leaving silt deposits in fields. Fertilizers and pesticides are commonly applied without determining plant needs for desired production and pest infestation levels. Greenbugs, cheat, rye, bindweed and various other grassy/broadleaf weeds are common pests.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	1. Soil-Erosion-Sheet & Rill	1. Soil loss-8 T/Ac/Yr
	2. Soil-Erosion-Ephemeral	2. Soil loss-2 T/Yr
	3. Soil-Erosion-Gully	3. Soil loss-50 T/Yr
	4. Soil-Erosion-Streambank	4. Soil loss-50 T/Yr
	5. Soil-Condition-Tilth	5. Low OM/Soil Cond. Index <0.0
	6. Soil-Condition-Compaction	6. Limited crop root growth
	7. Soil-Deposition-Damage	7. Silt deposits from overland flow
	8. Water-Quantity-Flooding	8. Damage/lost production
	9. Water-Quantity-Inadeq. Outlets	9. Gully erosion
	10. Plants-Management-Nutrient	10. Improper application of fertilizers
	11. Plants-Management-Pest	11. Weeds/nutrient & moisture competition