MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS 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	*for each resource enter available interp data*
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	Rangeland Interpretations
5.5	ANIMAL	Threatened & Endangered Species List, Wildlife Interpretations
5.6	HUMAN	
6.	HYDROLOGIC UNIT	
7.	SYSTEM TEMPLATE LABEL	GADZB
8.	SYSTEM NAME	(80A) Native Grass Management
9.	PLANNING PHASE	Non-benchmark
10.	PLANNING LEVEL	RMS
11.	NRCS LANDUSE	Grazed range
12.	PLANNED CONSERVATION PRACTICES	*list practices in the system*

1. (342) Critical Area Planting
2. (382) Fencing
3. (338) Prescribed Burning
4. (528A) Prescribed Grazing
5. (314) Brush Management
6. (580) Streambank and Shoreline Protection
7. (614) Trough or Tank
8. (595) Pest Management
9. (642) Well
10. (516) Pipeline for Livestock
11. (378) Pond
12. (410) Grade Stabilization Structure
13. (362) Diversion
14. (391) Riparian Forest Buffer

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

This system consists of good condition native tall and mid-grass pastures on upland, loamy soils varying in depth and slope. Prescribed grazing (facilitated by fencing, ponds, wells, pipelines and/or tanks), critical area planting, diversions, riparian forest buffers, grade stabilization structures and streambank protection will aid in control of gully and/or streambank erosion. Reduced sediment from erosion control will also reduce flood hazard due to improved stream capacity. Livestock water needs will be met with installation of necessary watering facilities. Prescribed grazing (facilitated by fencing, watering facilities and prescribed burning), brush management and pest management will result in proper stocking and improved plant production, site condition, health and vigor. Prescribed burning will produce short term air quality, health and safety concerns due to smoke.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Soil-Erosion-Gully	1. 0 T/Yr soil loss	1. 50 T/Yr soil saved
	2. Soil-Eros.-Streambank	2. 0 T/Yr soil loss	2. 50 T/Yr soil saved
	3. Water-Quant.-Flooding	3. Improved stream cap.	3. Reduced damage/prod. losses
	4. Plant-Mgmt.-For. Prod.	4. 5000 lbs/Ac/Yr	4. 2000 #/Ac/Yr increased prod.
	5. Plant-Cond.-Health/Vigor	5. Imp. health & vigor	5. Imp. growth & quality
	6. Plant-Mgmt.-Pest	6. Pests controlled	6. Red. comp./Imp. prod.
	7. Animal-Habitat-Water	7. H_2O storage doubled	7. Water storage increased 100%
	8. Anim.-Mgmt.-Pop./Res.	8. 10-12 Ac/AU/Yr	8. 2-5 Ac/AU/Yr improvement
	9. Air-Qual.-Smoke (S&H)	9. Smoke/safety & health	9. Short term negative impact

CRA con't	SYSTEM TEMPLATE LABEL cont'd		
17.	QUALITY CRITERIA DOCUMENTATION *List resource concerns, then indicate yes/no*		
	1. Soil - Erosion - Gully	_X_YES	___NO
	2. Soil - Erosion - Streambank	_X_YES	___NO
	3. Water - Quantity - Flooding	_X_YES	___NO
	4. Plant - Management - Forage Production	_X_YES	___NO
	5. Plant - Condition - Health & Vigor	_X_YES	___NO
	6. Plant - Management - Pest	_X_YES	___NO
	7. Animal - Habitat - Domestic Animal Water Requirements	_X_YES	___NO
	8. Animal - Management - Population & Resource Balance	_X_YES	___NO
	9. Air - Quality - Smoke (Safety & Health)	_X_YES	___NO

Conservation Management Systems

Certification of Quality Criteria

080A.40.001
GADZA
GADZB

RESOURCE CONSIDERATION/PROBLEM	Term Effect Short	Term Effect Long	Meets Quality Criteria Benchmark Yes	Benchmark No	Planned Yes	Planned No
SOIL						
Erosion						
Sheet and rill			N/A			
Wind			N/A			
Irrigation induced			N/A			
Concentrated flow						
Cropland ephemeral gully			N/A			
Classic gully				✓		
Soil mass movement			✓			
Roadbank and construction sites			N/A			
Streambank erosion				✓		
Condition						
Tilth			N/A			
Compaction			N/A			
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				✓(A)		
Chemical drift			✓			
Odors			✓			
Fungi			✓			
Molds			✓			
Pollen			✓			
Condition						
Temperature			✓			
Air movement			✓			
Humidity			✓			

(A) After treatment

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effect Short	Term Effect Long	Meets Quality Criteria Benchmark Yes	Meets Quality Criteria Benchmark No	Meets Quality Criteria Planned Yes	Meets Quality Criteria Planned No
PLANTS						
Suitability						
Adapted to site			✓			
Intended use			✓			
Condition						
Productivity				✓		
Health and vigor				✓		
Management						
Establishment			N/A			
Growth			✓			
Harvest			✓			
Nutrient management			N/A			
Pests				✓		
Threatened and endangered species			✓			
ANIMALS(domestic/wildlife)						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water Domestic Animal Requirements				✓		
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

080A.40.001
GAD2A
GAD2B

Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office		MLRA	80A

Soil Interpretations

Resource Concerns / Cons. Practices	SOIL Erosion Gully	SOIL Erosion Streambank	WATER Quantity Flooding	PLANT Management For. Prod.	PLANT Condition Hlth & Vigor	PLANT Management Pests	ANIMAL Habitat Dom. Water	ANIMAL Management Pop./Res. Bal.	AIR Quality Smoke (S&A)	
342	+	+	+	+	+	N/A	+	+	0	
382	+	+	0	+	+	+	+	+	0	
* 338	(-)	(-)	(-)	+	+	+	(-)	+	–	
528A	+	+	+	+	+	+	+	+	0	
314	0	0	0	+	+	+	0	+	0	
580	0	+	+	0	0	0	0	+	0	
* 614	0	0	0	0	0	0	+	+	0	
* 595	0	0	0	+	+	+	0	+	0	
* 642	0	0	0	0	0	0	+	+	0	
* 516	0	0	0	0	0	0	+	+	0	
378	+	N/A	+	+	+	0	+	+	0	
* 410	+	+	+	0	0	0	+	0	0	
362	+	0	+	+	(-)	–	+	+	0	
* 391	0	+	+	0	0	0	+	0	0	

* Not in FOTG Sec. II

(-) short term. negative effect