MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	El Reno, Enid, Guthrie, Kingfisher, Medford and Newkirk
3.	MLRA	80A
4.	COMMON RESOURCE AREA (CRA)	080A.40.003
5.	RESOURCE INTERPRETATIONS	*for each resource enter available interp data*
5.1	SOIL	Soil 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	GCDZB
8.	SYSTEM NAME	(80A) Native Grass Mgmt. - Sandy Soils
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. (391) Riparian Forest Buffer
6. (580) Streambank and Shoreline Protection
7. (614) Trough or Tank
8. (595) Pest Management
9. (642) Well
10. (516) Pipeline for Livestock and Recreation
11. (314) Brush Management

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

This system includes management of established native tall and mid-grasses on rolling, deep sandy soils. Prescribed grazing (facilitated by fencing, wells, pipelines and/or tanks), critical area planting, riparian forest buffers and streambank protection will aid in control of erosion along rivers and streams. Reduced sediment from erosion control will also reduce flood hazard due to improved stream capacity. Plant productivity, health, vigor and ground water quality will be improved through proper application of pesticides, brush management, prescribed grazing and prescribed burning. Livestock water needs will be met with installation of necessary watering facilities. Prescribed burning will provide Eastern redcedar control but will produce short term air quality, health and safety concerns due to smoke.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Soil-Eros.-Streambank	1. 0 T/Yr soil loss	1. 50 T/Yr soil saved
	2. Water-Quan.-Flooding	2. Improved stream cap.	2. Reduced damage/prod. losses
	3. Plants-Mgmt.-For.Prod.	3. 4500 lbs/Ac/Yr	3. 1500 lbs/Ac/Yr prod. increase
	4. Plants-Cond.-Hlth/Vigor	4. Imp. health & vigor	4. Imp. growth & quality
	5. Plants-Mgmt.-Pest	5. ERC <10% canopy	5. 15% decrease in canopy
	6. Animal-Hab.-Dom. H_2O	6. H_2O storage doubled	6. 100% increased H_2O storage
	7. Animal-Mgmt.-P/R Bal.	7. 10-12 Ac/AU/Yr	7. 2-5 Ac/AU/Yr improvement
	8. Air-Qual.-Off-site/Smoke	8. Smoke/safety & health	8. Short term neg. impact

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

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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
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 (Forage)				✓		
Health and vigor				✓		
Management						
Establishment			✓			
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

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Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office		MLRA	80A

Soil Interpretations

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

* Not in FOTG, Sec V