

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	<i>for each resource enter available interp data</i>		
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	Pastureland Interpretations		
5.5	ANIMAL	Threatened & Endangered Species List, Wildlife Interpretations		
5.6	HUMAN			
6.	HYDROLOGIC UNIT			
7.	SYSTEM TEMPLATE LABEL	GAJZB		
8.	SYSTEM NAME	(80A) Bermudagrass & Old World Bluestem Mgmt.		
9.	PLANNING PHASE	Non-benchmark		
10.	PLANNING LEVEL	RMS		
11.	NRCS LANDUSE	Pasture		
12.	PLANNED CONSERVATION PRACTICES	<i>list practices in the system</i>		
		1. (342) Critical Area Planting 2. (382) Fencing 3. (338) Prescribed Burning 4. (528A) Prescribed Grazing 5. (362) Diversion 6. (580) Streambank and Shoreline Protection 7. (614) Trough or Tank	8. (590) Nutrient Management 9. (595) Pest Management 10. (642) Well 11. (516) Pipeline for Livestock 12. (378) Pond 13. (410) Grade Stabilization Structure 14. (391) Riparian Forest Buffer	
13.	SYSTEM NARRATIVE	<i>describe how the practices work together as a system</i>		
		<p>This system includes grazing management of established bermudagrass and/or old world bluestems on soils of varying depth, texture and slope. Prescribed grazing (facilitated by fencing and water facilities), critical area planting, diversions, riparian forest buffers, grade stabilization structures and/or 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), nutrient management and pest management will result in proper stocking and improved plant production, health and vigor. Prescribed burning will produce short term air quality, health and safety concerns due to smoke.</p>		
14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS	
	1. Soil-Erosion-Gully 2. Soil-Eros.-Streambank 3. Water-Quant.-Flooding 4. Plant-Mgmt.-For. Prod. 5. Plant-Cond.-Hlth/Vigor 6. Plant-Mgmt.-Nutrient 7. Plant-Mgmt.-Pest 8. Anim.-Hab.-Dom. Water 9. Animal-Mgmt.-Pop./Res. 10. Air-Qual.-Smoke (S&H)	1. 0 T/Yr soil loss 2. 0 T/Yr soil loss 3. Improved stream cap. 4. 83% potential prod. 5. Imp. health & vigor 6. Proper application. 7. Pests controlled 8. H ₂ O storage doubled 9. 6 AUM's/Ac/Yr 10. Smoke/safety & health	1. 50 T/Yr soil saved 2. 50 T/Yr soil saved 3. Reduced damage/prod. losses 4. 13% incr. production 5. Imp. growth & quality 6. Prod./plant needs met 7. Red. comp./Imp. prod. 8. 100% increased H ₂ O storage 9. 1 AUM/Yr increase 10. Short term impact	

CRA con't	SYSTEM TEMPLATE LABEL cont'd	
17.	QUALITY CRITERIA DOCUMENTATION	<i>List resource concerns, then indicate yes/no</i>
	1. Soil - Erosion - Gully	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	2. Soil - Erosion - Streambank	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	3. Water - Quantity - Flooding	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	4. Plant - Management - Forage Production	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	5. Plant - Condition - Health & Vigor	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	6. Plant - Management - Nutrient	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	7. Plant - Management - Pest	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	8. Animal - Habitat - Domestic Animal Water Requirements	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	9. Animal Management - Population & Resource Balance	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	10. Air - Quality - Smoke (Safety & Health)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

Conservation Management Systems

08DA.40.001

Certification of Quality Criteria

GATZA

GATZB

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	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		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 <i>Domestic Animal Requirements</i>				✓		
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

Conservation Practice Physical Effects on Resource Concerns

080A. 40.001
 6AT2A
 6AT2B

Candidate Practice List

State	Okla	Field Office	MIRA	80A	Soil Interpretations									
Resource Concerns	Soil Erosion	Soil Erosion Streambank	WATER Quantity Flooding	PLANT Management For. Prod.	PLANT Condition Hlth. & Vigor	PLANT Management Nutrient	PLANT Management Pest	ANIMAL Habitat Dom. Water	ANIMAL Management Pp/Res. Bal	AIR Quality Smoke (SEH)				
342	+	+	+	+	+	+	N/A	+	+	0				
382	+	+	0	+	+	N/A	+	+	+	0				
* 338	(-)	(-)	(-)	+	+	0	+	0	+	-				
528A	+	+	+	+	+	N/A	+	+	+	0				
362	+	0	+	+	(-)	N/A	-	+	+	0				
580	0	+	+	0	0	0	0	0	+	0				
* 614	0	0	6	0	0	0	0	+	+	0				
* 590	0	0	0	+	+	+	0	0	+	0				
* 595	0	0	0	+	+	0	+	0	+	0				
* 642	0	0	0	0	0	0	0	+	+	0				
* 516	0	0	0	0	0	0	0	+	+	0				
378	+	N/A	+	+	+	N/A	0	+	+	0				
* 410	+	+	+	0	0	0	0	+	0	0				
* 391	0	+	+	0	0	N/A	-	N/A	0	0				

* Not in FOT6, Sec. II
 (-) Start down negative effect