MANAGEMENT SYSTEM TEMPLATE

B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Bristow, Chandler, Guthrie, Oklahoma City, Pawhuska, Pawnee, Perry and Stillwater
3.	MLRA	84A
4.	COMMON RESOURCE AREA (CRA)	084.40.001
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	IADZB
8.	SYSTEM NAME	(84A) Native Grass - Continuous Grazing
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. (614) Trough or Tank
7. (595) Pest Management
8. (642) Well
9. (516) Pipeline for Livestock
10. (378) Pond
11. (410) Grade Stabilization Structure
12. (362) Diversion
13. (314) Brush Management
14. (394) Firebreak

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

This system includes continuously grazed native tall and mid-grasses on soils varying in depth, texture and slope. Prescribed grazing (facilitated by fencing and water facilities), critical area planting, diversions, grade stabilization structures and riparian forest buffers will aid in control of gully and streambank erosion. Reduced sediment from erosion control will also reduce flood hazard due to improved stream flow and maintain capacity of water bodies. Livestock water needs will be met with installation of necessary watering facilities. Prescribed grazing (facilitated by fencing, watering facilities, firebreaks and prescribed burning), brush and pest management will result in proper stocking and improved plant 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-Erosion-Streambank	2. 0 T/Yr soil loss	2. 50 T/Yr soil saved
	3. Water-Quantity-Flooding	3. Improved stream cap.	3. Reduced damage/prod. losses
	4. Water-Quan.-Rest. Cap.	4. Reduced sediment	4. Maint. water/flood storage
	5. Plants-Cond.-Hlth/Vigor	5. Imp. health & vigor	5. Imp. growth & quality
	6. Plants-Mgmt.-Pests	6. Proper application	6. Red. comp./Imp. prod.
	7. Anim.-Hab.-H_2O (Dom.)	7. Improved water access	7. Proper distribution
	8. Anim.-Mgmt.-P/R Bal.	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. Water - Quantity - Streams/Lakes Restricted Capacity	_X_ YES	___ NO
	5. Plants - Condition - Health & Vigor	_X_ YES	___ NO
	6. Plants - Management - Pests	_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 - Off-site Safety & Health	_X_ YES	___ NO

Conservation Management Systems

Certification of Quality Criteria

084A.40.001
IADZA
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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			✓			
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 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			✓			
Growth			✓			
Harvest			✓			
Nutrient management			N/A			
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

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Conservation Practice Physical Effects on Resource Concerns
Candidate Practice List

State	Oklahoma	Field Office		MLRA	84A

Soil Interpretations

Resource Concerns / Cons. Practices	SOIL Erosion Gully	SOIL Erosion Streambank	WATER Quantity Flooding	WATER Quantity Lakes Pest. Gp.	PLANT Condition Hlth & Vigor	PLANT Management Pest	ANIMAL Habitat Dom. Water	ANIMAL Management Pop./Res. Bal.	AIR Quality Smoke (S&H)	
342	+	+	+	+	0	−	N/A	+	N/A	
382	+	+	N/A	N/A	+	+	N/A	+	N/A	
* 338	N/A	N/A	N/A	N/A	+	+	N/A	+	−	
528A	+	+	+	+	+	+	N/A	+	N/A	
* 391	+	+	+	+	0	−	N/A	+	N/A	
* 614	N/A	N/A	N/A	N/A	+	N/A	+	+	N/A	
* 595	N/A	N/A	N/A	N/A	+	N/A	N/A	+	N/A	
* 642	N/A	N/A	N/A	N/A	+	N/A	+	+	N/A	
* 516	N/A	N/A	N/A	N/A	+	N/A	+	+	N/A	
378	+	+	+	+	+	N/A	+	+	N/A	
* 410	+	+	+	+	0	0	+	0	N/A	
362	+	+	+	+	0	0	0	0	N/A	
314	0	0	0	0	+	+	0	+	N/A	
394	0	0	0	0	0	0	0	+	N/A	

* Not in FOTG, Sec. V