

GUIDANCE DOCUMENT

Identified problems: Planning consideration on grazing land resources is the lack of technical knowledge in the intensive grazing management system & education to clients on carrying capacities & forage production potential. The overgrazing of forages is exposing soil to sheet & rill erosion problems. Concentrated flow is causing ephemeral gullies in several locations in pasture. Cattle crossing the stream is causing a large gully to cut back up in the pasture. Since cattle have access along the stream there is opportunity for major pollution directly into the stream.

Resource Setting

CRA-E-MLRA-113

Soils: Grantsburg 301D2

Land use: Pastureland/Hayland

Applied practices: Pond

RESOURCE CONCERNS	SOIL								
	Erosion				Condition			Deposition	
	Sheet & Rill	Ephemeral Gully	Classic Gully	Streambank	Compaction	Excess Chemicals	Organic Animal Waste	Onsite	Offsite
Alt. #1									
338 Prescribed Burning	Mod-	Mod-	SI-	SI-	N/A	N/A	N/A	SI-	SI-
342 Critical Area Seeding	Sig+	Sig+	Sig+	Mod+	Mod+	SI+	N/A	Mod+	Mod+
378 Pond	0	SI+	Mod+	SI+	0	N/A	N/A	SI+	SI+
382 Fencing	Mod+	Mod+	Mod+	SI+	Mod+	Mod+	Mod+	Mod+	SI+
393 Filter Strip	Sig+	SI+	SI+	SI+	Sig+	0	0	Sig+	Mod+
394 Firebreak	SI-	SI-	SI-	SI-	SI-	N/A	N/A	SI+	SI+
410 Grade Stabilization Structure	N/A	0	Sig+	SI+	N/A	N/A	N/A	Mod+	Mod+
472 Livestock Exclusion	Sig+	Sig+	Mod+	Sig+	Sig+	Mod+	SI+	Mod+	SI+
512 Pasture Planting	Sig+	Sig+	Mod+	Mod+	Sig+	SI+	Mod+	Mod+	Mod+
516 Pipeline	Sig+	Mod+	0	0	SI+	0	SI-	0	0
528a Prescribed Grazing	Sig+	Sig+	Mod+	Sig+	SI-	Mod+	Mod+	Mod+	SI+
595 Pest Management	Sig+	Mod+	Mod+	SI+	Mod+	SI+	Mod+	Mod+	SI+
614 Trough or Tank	SI-	0	0	0	0	0	0	0	0

GUIDANCE DOCUMENT (continued)

SEC III—IL—TECHNICAL GUIDE
Guidance Documents—Pastureland/Hayland

Identified problems: Planning consideration on grazing land resources is the lack of technical knowledge in the intensive grazing management system & education to clients on carrying capacities & forage production potential. The overgrazing of forages is exposing soil to sheet & rill erosion problems. Concentrated flow is causing ephemeral gullies in several locations in pasture. Cattle crossing the stream is causing a large gully to cut back up in the pasture. Since cattle have access along the stream there is opportunity for major pollution directly into the stream.

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RESOURCE CONCERNS	WATER										
	Quantity		Quality Ground			Surface					
	Seeps	Runoff/Ponding	Nutrients & Organics	Heavy Metal	Pathogens	Nutrients & Organics	Suspended Sediments & Turbidity	Salt	Heavy Metal	Pathogens	Aquatic Habitat Stability
Alt. #1											
338 Prescribed Burning	0	Mod-	0	0	0	Mod+	SI-	0	0	0	SI-
342 Critical Area Seeding	SI-	Mod+	N/A	0	N/A	0	Mod+	Mod+	Mod+	0	SI+
378 Pond	SI-	SI+	SI-	0	SI-	Mod-	0	N/A	N/A	Mod-	Mod+
382 Fencing	SI-	SI+	SI+	SI+	SI+	Mod+	Mod+	SI+	SI+	SI+	Mod+
393 Filter Strip	0	0	0	0	0	0	0	0	0	0	0
394 Firebreak	0	Mod+	0	0	0	SI-	SI-	0	0	0	Sig+
410 Grade Stabilization Structure	N/A	N/A	0	0	0	0	Mod+	0	0	0	SI+
472 Livestock Exclusion	0	N/A	0	SI+	0	SI+	Mod+	SI+	Mod+	0	SI+
512 Pasture Planting	Mod+	Mod+	Mod+	SI+	SI+	Mod+	Mod+	0	0	SI+	SI+
516 Pipeline	0	0	0	0	0	0	0	0	0	0	0
528a Prescribed Grazing	SI-	Mod+	0	0	0	SI-	Mod+	Mod+	0	0	SI+
595 Pest Management	SI-	Mod+	Mod+	0	SI+	Sig+	Mod+	0	0	SI+	SI+
614 Trough or Tank	0	0	0	0	0	0	0	0	0	N/A	0

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RESOURCE CONCERNS	AIR		PLANTS			ANIMAL
	Quality		Management			Mgt
RMS Practices	Airborne Odors	Fungus, Pollen & Mold	Establishment, Growth & Harvest	Nutrient Management	Pest	Population/Resource Balance
Alt. #1						
338 Prescribed Burning	SI-	N/A	Sig+	0	Mod+	Mod+
342 Critical Area Seeding	N/A	0	Sig+	Sig+	Sig+	Sig+
378 Pond	0	0	Sig+	N/A	0	Sig+
382 Fencing	0	0	Mod+	N/A	Mod+	Mod+
393 Filter Strip	0	SI-	N/A	N/A	0	SI+
394 Firebreak	N/A	0	Sig+	N/A	0	Mod+
410 Grade Stabilization Structure	N/A	0	Mod+	N/A	N/A	0
472 Livestock Exclusion	0	0	Sig-	N/A	Sig+	Sig+
512 Pasture Planting	N/A	0	Sig+	Sig+	Sig+	SI+
516 Pipeline	N/A	N/A	0	0	0	0
528a Prescribed Grazing	N/A	0	Sig+	Sig+	Sig+	Sig+
595 Pest Management	N/A	N/A	Sig+	Sig+	Sig+	Sig+
614 Trough or Tank	N/A	N/A	Sig+	0	0	0