



NRCS

Natural Resources Conservation Service

EXAMPLE BRUSH MANAGEMENT PLAN

NE-CPA-19

Client Name:	Mac Brown Ranch	Conservationist:	C J Planner	Date:	July 23, 2008
Management Objective	Improve range productivity and health within 10 years by increasing grass component by 20%, improving range condition from a similarity index of 45% (fair) to over 50% (good), and reversing range trend from negative to positive by removing eastern red ced. The destruction of nesting habitat for migratory birds is not allowed between April 1 and July 15 due to the potential for that activity to result in a "take" of a migratory bird.				

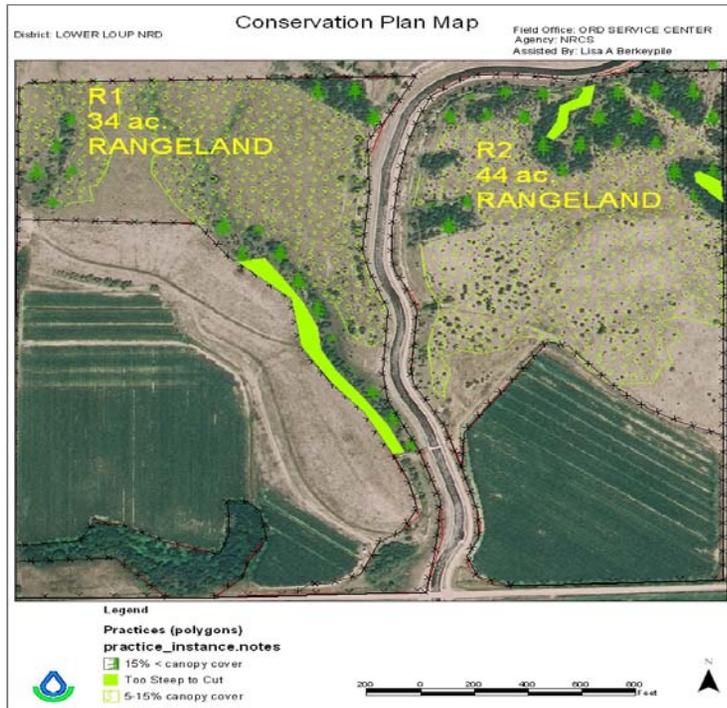
On grazing lands, a prescribed grazing plan must be applied before and after the proposed brush management treatment activity. Refer to the Nebraska Prescribed Grazing Standard (528), and Design Procedures. Attach NE-ECS-528 Prescribed Grazing Jobsheet a

Pasture Name(s) or Number(s)	Tract Number(s)	Location		Target Plant Species	Ecological Site(s)	Eco Site Condition (%)	Pre-treatment canopy cover <u>or</u> density				Post treatment canopy cover <u>or</u> density			
							Canopy Cover Class	# acres planned	Density Class	# acres planned	Canopy Cover Class	# acres treated	Density Class	# acres treated
West Schoolhouse	T-324	T	12 N	Eastern Red Cedar Russian Olive	% Composition of shrubs & trees in the Ecological Site reference plant community	Loamy Upland 45%	10-30%		< 50 plants/ac	45	10-30%		<50 plants/ac	50
		R	24 W				31-70 %		51-100 plants/ac	87	31-70%		51-100 plants/ac	77
		S	14				>70%		>100 plants/acre		>70 %		>100 plants/ac	0
		1/4	SWNE				2-5%	TOTAL	0	TOTAL	132	TOTAL	0	TOTAL

MECHANICAL TREATMENT		CHEMICAL TREATMENT*	
Planned Date(s) of Treatment	July 16- August 15, 2009 see Migratory Bird Guide Sheet	Planned Date(s) of Treatment	July 16- August 15, 2009 see Migratory Bird Guide Sheet
Actual Date(s) of Treatment	25-Jul-09	Actual Date(s) of Treatment	25-Jul-09
Type(s) of Equipment Used to Remove Brush	D6 Bulldozer, 120 HP Tree Shearer, 10' rotary brush beater mounted on a 160 HP 4WD tractor	Herbicide Name(s)	Planned Remedy, or Pathfinder II Applied Remedy
Operating Instructions including Techniques and Procedures	The dozer will knock down trees >6 ft in height. Push felled trees into piles no larger than 10' in height and diameter. Space piles no less than 100' apart, avoiding mixing soil into the pile. The shearer will be used on trees 4- 6' in height and with trunk diameters between 4" and 10". Add sheared trees to the dozed piles. The brush beater will mow remaining trees < 4 feet in height and 4" in diameter. The site should be smoothed, leaving no more than a 6" stump height on dozed and sheared trees, and no more than 3" on mowed trees.	Rate of Application, Mixing instructions, and Special Application Techniques	<i>Refer to the "Guide for Weed Management in Nebraska" and product labels for herbicide mixing instructions, and recommended rates of application or spray volumes.</i> Apply the chemical according to label directions with a backpack sprayer, hand sprayer or similar spraying device to cut stumps of Russian Olive, soaking the stump within 5 minutes following the shearer.
Brush Disposal and Follow-up Treatment Instructions	Burn brush piles as weather permits before April, 2010. Treat Russian Olive stumps as described under CHEMICAL TREATMENT.	Brush Disposal and Follow-up Treatment Instructions	Re-apply herbicide the following spring as needed, no later than June 1st to stumps that re-sprout or use a different follow-up treatment such as grazing.

Biological Treatments:	Grazing	Attach NE-ECS-528 Prescribed Grazing Plan. Describe the timing, frequency, duration, and intensity of use by grazing animals to effectively control brush on NE-ECS-62, Prescribed Grazing Schedule. Indicate the maximum degree of allowable use on non-target species on NE-ECS-414 Proper Grazing Use Worksheet.
	Prescribed Fire	Attach NE-ECS-72, Prescribed Fire Management Plan. Indicate follow-up treatments needed.

Insert a map, drawing, and/or narrative of the treatment area. Detail areas to be treated, pattern of treatment (if applicable), and areas to be left undisturbed.



PRACTICE CERTIFICATION	
<i>I certify that I have completed the brush control practices required according to the specifications listed in the brush management plan:</i>	
Jack Mack	25-Jul-09
Signature of Land Owner, Operator or Representative	Date
<i>This practice meets the specifications outlined in the brush management plan:</i>	
C.J. Planner	28-Jul-09
Signature of Conservation Planner or Technician	Date