Using Native Plants As A Management Tool To Combat Invasive Species

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Soils

pH/type/moisture levels (seasonal)

Existing Vegetation and Unique Features

Species Selection

Plan

Goals

Planting Date ----- Establish a Timeline

Site Preparation

Installation Levels

Monitoring/Maintenance

Bullock Ranch, Seney

Glossy Buckthorn

M - 28

pH 5.9

Spotted Knapweed

Wild Parsnip

www.websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

Phase I

Unit A

Phase II

Unit B

Establishing A Timeline

April 1st…….April 15th…….May 1st Planting Date

Herbicide Application

Weather conditions may force this to be accomplished the previous September

Phase I

2012 Snow off….mow entire site to include Phase II area

Spray all 57 acres with a broadleaf herbicide after green-up and Phase I area with glyphosate

As close to the 1st of May plant grasses only with a Truax No-Till drill

8# PLS/Acre Little Bluestem

Within 7 days of planting spray Phase I with Plateau herbicide at the rate of 4 ounces/acre

Basal bark spray all buckthorn along west side with Garlon 4 Ultra

September introduce cool season grasses (Broadcast)

2# PLS/Acre Canada Wild Rye

.25# PLS/Acre June grass

Phase II

2012 Summer….mow wild parsnip when flowering

Fall….treat with broadleaf herbicide for spotted knapweed and wild parsnip

2013 Snow off ….. Plant grasses only using Truax No-Till drill as close to May 1st as possible

8# PLS/Acre Little Bluestem

Within 7 days of planting spray site with Plateau herbicide at the rate of 4 ounces/acre

2 Quarts/acre glyphosate can be added if green vegetation is noted at time of planting

September….introduce cool season grasses (Broadcast)

2# PLS/Acre Canada Wild Rye

.25# PLS/Acre June grass

2013 - 2015

Treat as needed with broadleaf herbicide for Spotted knapweeed and Wild parsnip control

Monitor and treat as needed Buckthorn in Phase I

2015

September….use prescribed fire on Phase I and II

October….mid-month introduce forbs and shrubs

Shrubs (Potted)	Forbs (1#/Acre)
Highbush Cranberry	Black-Eyed Susan
Ninebark	Pale Purple Coneflower
Beaked Hazelnut	Northern Blazingstar
Bearberry	Sand Tickseed
Low Sweet Blueberry	Butterflyweed
Dogwoods	Showy Goldenrod
	Early Goldenrod
	Hairy Goldenrod
	Smooth Aster
	Hoary Vervain
	Bush Clovers
	Western Sunflower
	Round Leaf Ragwort

Continue to monitor the area for invasive species

Manage the site with alternating spring and fall burns

Thank you

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