

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



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 knapweed 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)

**Highbush Cranberry
Ninebark
Beaked Hazelnut
Bearberry
Low Sweet Blueberry
Dogwoods**

Forbs (1#/Acre)

**Black-Eyed Susan
Pale Purple Coneflower
Northern Blazingstar
Sand Tickseed
Butterflyweed
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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