# Restoration and Management Plan Template

The purpose of this template is to provide managers with a consistent tool to plan, implement and manage restoration projects. This suggested format is intended to provide a readily usable form that will:

* Provide specific, measurable, outcome based goals
* Improve institutional memory of project details in a concise accessible format
* Partially fulfill requirements from funding sources for a restoration and management plan, including:
	+ Outdoor Heritage Fund <http://www.lsohc.leg.mn/manager_info/Restoration%20Management%20Plans%20Guidelines.pdf>
* MS 97A.056. Subd. 13. (c)(d)
* (c) For all restorations, a recipient must prepare and retain an ecological restoration and management plan that, to the degree practicable, is consistent with current conservation science and ecological goals for the restoration site. Consideration should be given to soil, geology, topography, and other relevant factors that would provide the best chance for long-term success and durability of the restoration. The plan must include the proposed timetable for implementing the restoration, including, but not limited to, site preparation, establishment of diverse plant species, maintenance, and additional enhancement to establish the restoration; identify long-term maintenance and management needs of the restoration and how the maintenance, management, and enhancement will be financed; and use current conservation science to achieve the best restoration. (d) For new lands acquired, a recipient must prepare a restoration and management plan in compliance with paragraph (c), including identification of sufficient funding for implementation.
	+ LCCMR ENRTF Restoration (All Phases) Requirements <http://www.lccmr.leg.mn/pm_info/enrtf_restoration-project-requirements.pdf>

The project plan should indicate which planning and/or implementation activities were undertaken with funds from specific public or private sources and appropriation years where appropriate.

This form is provided as best practice guidance, it does not replace existing reporting requirements. This form provides basic, essential project data; the degree of detail needed for each component will be dependent on the type and scope of the project. An example template with sample project data is provided for reference.

# Restoration and Management Plan

**Project Name:**

**Project Manager:**

**Implementing Organization:**

**Landowner/Manager:**

**County:**

**Location:**

## Project Background

### Goals and Objectives

**Goal(s):**

* What are the specific, measurable goals of the project?

**Objectives:**

* What is the long-term desired condition of the site?
* What is the desired outcome of this specific project/phase?

### Site Description

**Project Location and Setting:**

**Existing Site Conditions / Site Characteristics:**

* **Baseline data (quantitative if available):**
* **Surrounding landscape conditions:**

## Planning and Implementation

### Restoration Work Plan:

Description

Attach additional pages and comments as needed: maps, construction plans, planting plans, species lists/seed mixes/seed tags, invoices, special conditions/concerns

Table : Implementation Timetable

|  |  |  |  |
| --- | --- | --- | --- |
| Activity | Work Description | Planned (month/year) / Implemented | Implementer |
|  |  |  |  |
|  |  |  |  |

Table 2: Long-term Maintenance and Management

|  |  |  |  |
| --- | --- | --- | --- |
| Long-term Needs | Timeframe (years – years) | Responsible Party | Funding Needed / Source |
|  |  |  |  |
|  |  |  |  |

# Restoration and Management Plan *Example*

**Project Name:** *Blazing Prairie WMA: Grassland Habitat Restoration*

**Project Manager:** *Jonathan Doe*

**Implementing Organization:** *Grassland Habitat*

**Landowner/Manager:** *MN DNR, Marshall Area Wildlife Office*

**County:** *Lincoln*

**Location:** *T 31N R 20W Sec 26, Sec 27 (Access on North side of 135 St. see map for location)*

## Project Background

### Goals and Objectives

**Goal(s):**

* *Establish 60 acres of native grasses and forbs*
* *One year post seeding: >25 of 30 species seeded present. <20% invasive/non-native plant species cover; species per O&M plan list*
* *Year three: 50-70% cover native grasses, 30-40% cover native forbs per seeded plant list; <10% invasive/non-native plant species cover; species per O&M plan list*

**Objectives:**

* **What is the long-term desired condition of the site?**

*Upland Mesic Prairie; Dominant species corresponding to Ups23 Southern Mesic Prairie*

* **What is the desired outcome of this specific project/phase?**

*Provide improved nesting cover for upland birds and waterfowl as well as improved upland game bird hunting opportunities.*

### Site Description

**Project Location and Setting**: site map with project boundaries, aerial photos, etc.

**Existing Site Conditions / Site Characteristics**:

*This unit was purchased primarily to offer pheasant hunting and wildlife viewing opportunities, bolster wildlife populations, and grassland conservation. The entire unit was enrolled in CRP at the time of purchase. The fields that have been restored were brome grass that was broken up and farmed for two years as site prep. The balance of the grassland on the unit is native grass (Big Bluestem dominant). The soils present support a mesic prairie reconstruction (see attached soil map).*

* **Baseline data (quantitative)**: *The fields were in 2 years of Roundup Ready soybeans prior to planting. Seeded into soybean stubble.*
* **Surrounding landscape conditions**: *Adjacent land use is annual row crop, hayed field and riparian corridor. Switchgrass WMA is ¾ miles South of the site, habitat is connected by a partially ditched wetland riparian corridor (see map for locations)*.

## Planning and Implementation

### Restoration Work Plan:

*Seeding took place in June 2012. Round-up spraying took place within a week of planting. All the fields restored were clipped twice to reduce broadleaf competition. The last clipping took place in June of this year.*

**Attach additional pages and comments as needed: maps, construction plans, planting plans, species lists/seed mixes/seed tags, invoices, special conditions/concerns**

Table 1: Implementation Timetable

|  |  |  |  |
| --- | --- | --- | --- |
| Activity | Work Description | Planned (month/year) / Implemented | Implementer |
| *Seeded* | *Truax seed drill (yellow tags with seed mix and source attached)* | *Late spring 2012 / June 2012* | *Grassland Habitat (Jon Doe)* |
| *RoundUp Spray* | *4 days post seeding* | *Within one week post seeding / June 2012* | *Grassland Habitat (Jon Doe)* |
| *Clipping*  | *All fields to reduce broadleaf competition*  | *Fall 2012 / September 2012* | *Joseph Mow (contract w/ area wildlife office)* |
| *Clipping*  | *All fields to reduce broadleaf competition*  | *Late spring 2013 / June 2013* | *Joseph Mow (contract w/ area wildlife office)* |
| *Spot herbicide*  | *As needed for target invasives (see O&M lnvasives list)* | *2013 – 2014 / July 2014* | *Area wildlife staff (Allen Johnson)* |

Table 2: Long-term Maintenance and Management

|  |  |  |  |
| --- | --- | --- | --- |
| Long-term Needs | Timeframe (years – years) | Responsible Party | Funding Needed / Source |
| *Prescribed burn in patches 2-4 year rotation* | *2015 – ongoing*  | *Grassland Habitat* | General fund |
| *Cut / remove woody invaders (as needed)* | *2014 – future as needed* | *Grassland Habitat / volunteer stewards* | CPL Grant |