### Wetland Mitigation Proposal

### Mitigation Plan (Full Application)

Submit this document to the [Corps of Engineers](http://www.mvp.usace.army.mil/Missions/Regulatory.aspx) and Wetland Conservation Act (WCA) [Local Government Unit](http://www.bwsr.state.mn.us/partners/directories/WCA_Dir.pdf) (LGU).

|  |  |
| --- | --- |
| **PROJECT NAME** | **Project Type** |
| **Click to enter text.** | Wetland Bank In Lieu Fee Site Project Specific (PRM) |

**SPONSOR INFORMATION Agent Information**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sponsor’s Full Name | | | | Authorized Agent’s Name and Title (if applicable) | | | |
| **Click to enter text.** | | | | **Click to enter text.** | | | |
| Company | | | | Company | | | |
|  | | | | **Click to enter text.** | | | |
| Street Address | | | | Street Address | | | |
| **Click to enter text.** | | | | **Click to enter text.** | | | |
| City | | State | Zip Code | City | | State | Zip Code |
| **Click to enter text.** | | **Click to enter text.** | **Click to enter text.** | **Click to enter text.** | | **Click to enter text.** | **Click to enter text.** |
| Phone (Primary) | Phone (Secondary) | | Phone (Other) | Phone (Primary) | Phone (Secondary) | | Phone (Other) |
| **Click to enter text.** |  | |  | **Click to enter text.** |  | |  |
| E-mail Address | | | | E-mail Address | | | |
| **Click to enter text.** | | | | **Click to enter text.** | | | |
| Sponsor’s Relationship to Property | | | | | | | |
| Fee Title Owner Contract for Deed Contract or agreement with fee owner Other: **(describe)** | | | | | | | |

**STATEMENT OF AUTHORIZATION (required if agent is authorized to represent, and sign for, sponsor)**

|  |  |  |  |
| --- | --- | --- | --- |
| I hereby authorize, to act on my behalf as my agent in the processing of this document and to furnish, upon request, supplemental information in support of this document. | | | |
| Signature of Sponsor |  | Date |  |

**PROJECT LOCATION (Include a Site Location Map)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| County | | Est. Easement Size (acres) | [Watershed Name/No. or HUC 8](http://maps.bwsr.state.mn.us/banking/) | | [Bank Service Area](http://maps.bwsr.state.mn.us/banking/) |
| **Choose an item.** | | **Click to enter text.** | **Choose an item.** | | **Choose an item.** |
| Latitude: | Longitude: | | Section No. | Township No. | Range No. |
| °N | °W | | **Click to enter text.** | **Click to enter text.** | **Click to enter text.** |

Check this box if you are only requesting review under WCA.

Check this box if this is a Minnesota *Agricultural* Wetland Bank proposal.

**List of Figures**

List and label all figures and appendices in the order in which they are referenced in this submission form.

*The following figures are required (reference them in applicable sections of the narrative):*

* Site Location Map
* Land Use Map of Project Site and Surrounding Properties
* Existing Conditions Topographic Map (include topography of adjacent lands if they contribute to or could be affected by the project) – map should at minimum include contours (1-foot referenced to msl datum), property lines, culverts, bridges, roads, structures, subsurface drainage features, power lines and other utilities, property ownership, existing easements, benchmarks, north arrow, scale, and proposed easement boundary.
* Web Soil Survey Map (or other soil information if Web Soil Survey not available for the area)
* Minor Watershed (DNR 5-digit HUC) Map (show location of site within minor watershed)
* Existing Wetlands Map (approved delineation or estimate based on best available data)
* Existing Conditions Vegetation Map (current dominant vegetative cover of site and surrounding area)
* Map of Proposed Easement Boundaries (preferably overlaid on topo map and/or aerial photo)
* Credit Area Map (see item # 6)
* Proposed Vegetation Conditions Map (based on vegetation establishment plan)
* Seeding/Planting Zone Map – map clearly showing labeled zones where various planting/seeding will be conducted. Use air photo or topographic map as a base.
* Construction Plan and Specifications – plans need to be drawn to scale and must include:
  + Detailed layout and plan dimensions of all proposed construction elements
  + Topography of any adjacent lands that could be affected by the project
  + Profile and detail drawing(s) of all proposed construction elements (dikes, channels, water control structures, etc.) including dimensions, elevations, and grades as applicable.
  + Construction notes on plans (as needed) to ensure accurate interpretation of drawings and to supplement construction specifications.
* Construction materials and methods specifications
* Monitoring Plan Map showing proposed monitoring locations

*The following figures are recommended, if applicable:*

* Historical Air Photo(s) (representative of pre-altered conditions)
* Site Photographs
* Photographs of Reference Wetland(s) (reflective of post-plan conditions)

**SECTIONS**

Do not leave any of the following sections or subsections blank. If a section does not apply to your project, then enter “not applicable” for that section and explain why.

1. **Regulatory Review Status and Project History**

*Identify and discuss the extent of review and comments received on this pending wetland banking project to date. Reference and include review letters and findings related to previous scrutiny of the proposed project by local, state, and federal review entities.*

1. **Project Sponsor - Landowner**

*Identify who will be the official project proposer that is ultimately responsible for completing the project and owning the result wetland credits. Discuss any agreements between the sponsor and landowner (if different) or other legal circumstances related to project ownership.*

1. **Proposed Easement Description**

*Discuss the proposed easement boundary (a required figure) in terms of its location (e.g. coincides with property line, follows road or ditch right-of-way boundary, etc.) and the reasons for including or excluding certain areas (e.g. excludes field road to allow access to adjacent property, etc.).*

1. **Historical Conditions**

*Provide an assessment of historical site conditions from pre-settlement to current condition. Utilize historical air photos, soils information, and other available information sources to estimate historical conditions based on available evidence. Discuss the extent of restoration proposed and describe any constraints that prevent full restoration (such as access to other lands, need to maintain drainage from other properties, etc.). If the project is a wetland creation, discuss historic watershed conditions, changes over time, and how the project will replace or enhance important wetland functions. Attach and reference supporting documents as necessary.*

1. **Existing Conditions**

*Provide a description of existing physical conditions of the bank site and surrounding area including current land use, vegetation, roads, structures, wells, utility lines, hydrology, etc. For hydrology describe water flow sources and flow directions and identify tiles, ditches and any other drainage components on or near the site. Also include a discussion of existing wetlands on the site including reference to any wetland delineations or determinations previously conducted and approved. Include and reference figures to supplement the narrative.*

1. **Project Goals, Expected Outcomes and Crediting**

*Identify overall project goals and discuss the anticipated project outcomes in terms of hydrology, vegetation, and wetland functions. Identify credit areas on a Credit Area Map and complete the following Wetland Bank Credit Allocation and Proposed Credit Release Tables. Discuss the rationale for the credit release and any possible modifications to credit releases related to project conditions (such as reduced crediting for partial outcome conditions).*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Wetland Credit Allocation Table 1** | | | | |
| **Map ID** | | **Credit Action2** | **Wetland Type**  **(Plant Community)** | **Acres3**  **(x.x acres)** | **% Credit** | **Credit Amount3**  **(x.xxxx)** |
| Click. | | Choose an item. | Choose an item. |  |  | 0.0000 |
| Click. | | Choose an item. | Choose an item. |  |  | 0.0000 |
| Click. | | Choose an item. | Choose an item. |  |  | 0.0000 |
| Click. | | Choose an item. | Choose an item. |  |  | 0.0000 |
| Click. | | Choose an item. | Choose an item. |  |  | 0.0000 |
| Click. | | Choose an item. | Choose an item. |  |  | 0.0000 |
| Click. | | Choose an item. | Choose an item. |  |  | 0.0000 |
| Click. | | Choose an item. | Choose an item. |  |  | 0.0000 |
|  | |  | **TOTAL EASEMENT SIZE:** | 0.0 | **TOTAL:** | 0.0000 |

1**Wetland Credit Allocation Map** must accompany this form and:

* + Provide a clear depiction of the easement boundary
  + Show separate Map IDs for each credit action within the easement boundary.

2As identified by [MN Rules Chapter 8420.0526](https://www.revisor.mn.gov/rules/?id=8420.0526) and [St. Paul District Policy for Wetland Compensatory Mitigation in Minnesota](http://www.mvp.usace.army.mil/Portals/57/docs/regulatory/MN-Special/Final%20St.%20Paul%20District%20Policy%20for%20Wetland%20Compensatory%20Mitigation%20in%20MNs.pdf).

* + - **Subp. 2:** *Buffer* **Buffer**
    - **Subp. 3:** *Restoration of Completely Drained or Filled* **Restoration via Reestablishment**
    - **Subp. 4:** *Restoration of Partially Drained or Filled*  **Restoration via Rehabilitation**
    - **Subp. 5:** *Vegetative Restoration of Farmed Wetlands* **Enhancement**
    - **Subp. 6:** *Protection of Wetlands Previously Restored via Conservation Easements* **Extended Restoration**
    - **Subp. 7:** *Wetland Creations* **Establishment**
    - **Subp. 8:** *Restoration and Protection of Exceptional Natural Resource Value* **Restoration or Enhancement**
    - **Subp. 9:** *Preservation of Wetlands*  **Preservation**
    - **No Credit:** *Portions of easement area not receiving credit* **No Credit**

3Acres within the bank easement corresponding to the identified credit action and wetland type (round to nearest tenth-acre). The sum total of these acres must equal the bank easement area.

**Proposed Credit Release Summary**

|  |  |
| --- | --- |
| **% Released** | **Performance Standard Met** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1. **Ecological Suitability and Sustainability**

*Specifically address the compatibility of the project with surrounding land uses, habitat types, and ecological communities. Discuss the long-term sustainability of the project in terms of hydrology and vegetation. Specifically address the ability of the project to continue to provide important wetland functions in the context of reasonably foreseeable land use and landscape changes.*

1. **Vegetation Plan**

*Identify and discuss planned actions to restore vegetation including (but not limited to) seeding, planting, invasive species control, and anticipated maintenance/management activities. Include a seeding/planting zone map (a required figure) and correspondingly identify seed mixes, planting materials, planting rates, and installation methods (hand planted, native seed drill, etc.). Include a schedule of anticipated maintenance and aftercare activities for the initial 5 years of the project and beyond as applicable. Identify and discuss any potential issues (invasive species, sedimentation, drown-out, etc.) and potential corrective actions. Attach and reference supporting documents as necessary.*

1. **Construction Plan**

*Address the following subparts and attach and reference supporting documents as necessary:*

**9.1 Design Approach**

*Discuss the general design approach proposed to achieve the planned restoration goals for hydrology such as disable drainage system, divert water, impound water, etc. Provide a detailed description of the proposed construction work to be performed for each wetland area to be restored or created.*

**9.2 Site Capability**

*Discuss the capability of the site to produce and maintain wetland characteristics related to drainage area, wetland area, soils, and topography.*

**9.3 Site Investigations**

*Discuss and provide information about the locations, methods, and results of any subsurface investigations and analysis performed for the project site.*

**9.4 Hydrologic and Hydraulic Analysis**

*Discuss the hydrologic and hydraulic analyses conducted to define existing site conditions and to design the proposed wetland bank project. Report the following related to hydrology/hydraulics report:*

* *Method of analysis, values used for pertinent variable and computed peak flows and water surface elevations for the 2-year, 10-year, 25-year, and 100-year, 24-hour events and associated wetland storage volumes.*
* *Hydraulic design of existing and proposed water control structures.*
* *Discussion of both upstream and downstream impacts.*

1. **Supplemental Information**

*If the project involves protection of wetlands previously restored via conservation, restoration and protection of exceptional natural resource value, or preservation credit actions (WCA rule subparts 6, 8, and 9 respectively), provide a narrative discussion of how the project meets the requirements of actions. Discuss and reference applicable guidance documents and support materials. If necessary, discuss any other information that is relevant to the plan and not discussed in the other sections of the document.*

1. **Monitoring Plan**

*Describe a plan to annually monitor vegetation and hydrology as it relates to the identified credit release criteria. The plan should include anticipated transects and sampling point locations, and a description of the methodology to estimate important measures such as vegetation areal coverage, species diversity, and water table elevations. Plans should identify the proposed frequency and timing of annual monitoring efforts.*

1. **Special Considerations**

*WCA rules (8420.0515) identify nine factors that must be considered when submitting a wetland replacement/banking plan. Identify and discuss any and all of these factors that are applicable or potentially applicable to the project and site.*

**Signature**

By signing this form I acknowledge that:

1. I am authorizing the review of my Mitigation Plan by the appropriate regulatory authorities as part of establishing a compensatory wetland mitigation project.
2. I am familiar with the information contained in this submittal and, to the best of my knowledge and belief, all information is true, complete, and accurate.
3. No areas proposed to receive wetland bank credit were previously restored or created under a prior approved WCA wetland replacement or banking plan.
4. No areas proposed to receive wetland bank credit were impacted under a WCA exemption during the previous 10 years.
5. No areas proposed to receive wetland bank credit will be restored, created, or preserved with financial assistance from public conservation programs or for other unrelated regulatory purposes.
6. All individuals and entities providing funding for this project are aware that this project will provide credits to offset regulatory wetland impacts.
7. The project will be monitored in accordance with the approved monitoring plan.
8. I understand that Mitigation Plan review may require regulatory agency staff to inspect my project site, that agency staff will contact me in advance to schedule a site visit, and I agree (or am authorized) to allow agency staff reasonable access to the property when prior notification is given.

If I am not the fee title owner of property, I have obtained permission from the fee title owner to allow agency staff reasonable access to the property when prior notification is given.

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Signature of Project Sponsor |  | Date |