

## **Wetland Mitigation Considerations**

Action ID: SAW-

Project Name: \_\_\_\_\_

County: \_\_\_\_\_

Location: \_\_\_\_\_

\_\_\_\_\_

Lat/Long (dec deg): \_\_\_\_\_

Prepared By: \_\_\_\_\_

Date

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### **I. Introduction**

**A. Is a permit required** for this project? **YES / NO**

**B. Type of Mitigation** (circle): Restoration / Creation / Enhancement / Preservation

**C. Identify NCWAM Wetland Type:** \_\_\_\_\_

**D. Will Threatened or Endangered Species** or designated  
**Critical Habitats** be impacted? **YES / NO**

**E. Will Essential Fish Habitat (EFH)** resources be impacted? **YES / NO**

**F. Will Anadromous Fish** or similar aquatic species be impacted? **YES / NO**

**G. Do any Cultural Resource** issues exist on the site? **YES / NO**

**H. Do any Haz/Tox** issues exist on the site? **YES / NO**

**I. Has a wetland jurisdiction determination** been undertaken? **YES / NO**

**II. Foundation of the Mitigation Plan**

**A. Describe GOALS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**B. List Target FUNCTIONS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Are these Specific/Measurable/Attainable/Reasonable/Trackable?	YES / NO
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**C. Vegetation**

1. Was a <b>Reference Ecosystem</b> (RE) report prepared?	<b>YES / NO</b>
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Describe comparison between the RE and the Mitigation Site: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Are plantings listed to species?	<b>YES / NO</b>
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3. Are local (200 miles north/south) propagules to be planted and verified by nursery certificate?	<b>YES / NO</b>
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4. Have diversity and density of species within the Reference Ecosystem been considered in the plan?	<b>YES / NO</b>
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5. Has consideration been given to planting the wetland upland interface with suitable transition zone species?	<b>YES / NO</b>
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Describe the Planting Quality Control Plan: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D. Soils**

1. Have site soils been mapped? **YES / NO**

2. List Soil Series and Textures: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Are soils types appropriate for the target wetland? **YES / NO**

Describe: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. Fertility sampling undertaken in the RE? (Attach Report) **YES / NO**

5. Fertility sampling undertaken in the mitigation site? (Attach Report) **YES / NO**

6. Are the fertility results within the standards for the plantings? **YES / NO**

Describe results/amendments required: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. If PC Cropland, has site been evaluated for plow pans, field crowns, tile drainage system? **YES / NO**

Describe findings: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Is disking proposed after grading and/or prior to planting? **YES / NO**

Describe: \_\_\_\_\_

\_\_\_\_\_

9. Is there a grading plan? (Attach) **YES / NO**

Describe: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**E. Hydrology**

1. Was a **Water Budget** prepared for low, average and high conditions per WETS data? (Attach Report)

**YES / NO**

Describe and justify type of water budget model used: \_\_\_\_\_

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2. List the hydrologic inputs: \_\_\_\_\_

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- a. For groundwater driven systems, will monitoring wells be installed pursuant to the most recent ERDC Technical Note?

**YES / NO**

- b. For surface water driven systems, will flood gauges be installed?

**YES / NO**

Describe type/methodology: \_\_\_\_\_

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5. Was an **NCWAM** analysis undertaken? (Attach Report)

**YES / NO**

Describe the site's compromised function(s): \_\_\_\_\_

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6. Will the hydrologic regime predicted by the water budget be appropriate for the target wetland?

**YES / NO**

**Are these Specific/Measurable/Attainable/Reasonable/Trackable?**

**YES / NO**


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**III. Success Criteria**

A. **Vegetation**: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

B. **Hydrology**: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

C. **Soils**: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<b>Are these Specific/Measurable/Attainable/Reasonable/Trackable?</b>	<b>YES / NO</b>
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**IV. Monitoring**

A. Name and telephone number of person responsible for the success of this project: \_\_\_\_\_  
 \_\_\_\_\_

B. Is there a monitoring plan? **YES / NO**

1. Describe **Vegetation** monitoring plan: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Describe **Hydrology** monitoring plan: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<b>Are these Specific/Measurable/Attainable/Reasonable/Trackable?</b>	<b>YES / NO</b>
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C. **As-Built Report** to be submitted within 30 days of project construction? **YES / NO**

D. Date **Annual Monitoring Report** to be submitted: \_\_\_\_\_

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**V. Consideration of Factors of Failure**

A. Describe how the following have been considered for this project:

1. **Elevations**/biological benchmarks: \_\_\_\_\_

\_\_\_\_\_

2. Provisions for **Drainage**: \_\_\_\_\_

\_\_\_\_\_

3. **Erosion**: \_\_\_\_\_

\_\_\_\_\_

4. **Human Impacts**: \_\_\_\_\_

\_\_\_\_\_

5. **Noxious species** invasion: \_\_\_\_\_

\_\_\_\_\_

6. **Herbivory**: \_\_\_\_\_

\_\_\_\_\_

B. Are **persistent earthen features** proposed for the project? (Berms, dikes, excavated areas with spoil placed within the project site, etc.) **YES / NO**

Describe/Justify: \_\_\_\_\_

\_\_\_\_\_

C. Is there an **Adaptive Management Strategy** built into the proposal to address the above factors? **YES / NO**

Describe how and when the contingency plan(s) will be implemented: \_\_\_\_\_

\_\_\_\_\_

<b>Are these Specific/Measurable/Attainable/Reasonable/Trackable?</b>	<b>YES / NO</b>
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## VI. Site Management

A. Describe **Final Disposition** of the property: \_\_\_\_\_

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B. Who will manage the site after the mitigation effort is deemed successful? \_\_\_\_\_

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C. Describe proposed **Financial Assurances**: \_\_\_\_\_

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D. Will wetland functions be impacted by current or future land use patterns? **YES / NO**

Describe: \_\_\_\_\_

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**NOTES:** \_\_\_\_\_

[illegible]

**\*\*Highlight and address all problems and/or inadequacies with the proposal as indicated by this checklist\*\***