

Wetland Mitigation Considerations

Action ID: SAW-

Project Name: _____

County: _____

Location: _____

Lat/Long (dec deg): _____

Prepared By: _____

Date

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

C. Vegetation

1. Was a **Reference Ecosystem** (RE) report prepared? **YES / NO**

Describe comparison between the RE and the Mitigation Site: _____

2. Are plantings listed to species? **YES / NO**

3. Are local (200 miles north/south) propagules to be planted and verified by nursery certificate? **YES / NO**

4. Have diversity and density of species within the Reference Ecosystem been considered in the plan? **YES / NO**

5. Has consideration been given to planting the wetland upland interface with suitable transition zone species? **YES / NO**

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: _____

2. List the hydrologic inputs: _____

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: _____

5. Was an **NCWAM** analysis undertaken? (Attach Report) **YES / NO**

Describe the site's compromised function(s): _____

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

III. Success Criteria

A. **Vegetation**: _____

B. **Hydrology**: _____

C. **Soils**: _____

Are these Specific/Measurable/Attainable/Reasonable/Trackable? YES / NO

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: _____

Are these Specific/Measurable/Attainable/Reasonable/Trackable? YES / NO

C. **As-Built Report** to be submitted within 30 days of project construction? **YES / NO**

D. Date **Annual Monitoring Report** to be submitted: _____

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: _____

Are these Specific/Measurable/Attainable/Reasonable/Trackable? YES / NO

VI. Site Management

A. Describe **Final Disposition** of the property: _____

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

C. Describe proposed **Financial Assurances**: _____

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

Describe: _____

NOTES: _____

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