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The following is a living document subject to change at any time. For the most up to date version: http://www.sas.usace.army.mil/Missions/Regulatory/Mitigation.aspx

Action ID:
Project Name:
County:
Location:
Lat/Long (decimal degrees):
Ecoregion (per Griffith, et.al. 2002):
Required attachments: General location map NHDPlus map depicting location of project in watershed (include the following "Program Features" - 303(d) Listed Impaired Waters, Combined Sewer Overflows, Facilities that Discharge to Water, TMDLs on Impaired Waters, Monitoring Locations, and Nonpoint Source Projects) LiDAR map of the site Web Soil Survey soils map of the site
Prepared By:
Date

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I. Watershed Analysis

A. Has a watershed evaluation/analysis been undertaken?

YES / NO

How were the following factors considered in the analysis?

- Within what watershed is the proposed project located (8-Digit Hydrologic Unit Code)?
- What is the percentage of impervious cover within the watershed (provide current and/or future projection)?
- Is there a watershed plan and/or 305(b)/303(d) report available that can be included in the analysis (cite reference)?
- What are the dominant stressors of the watershed, which have the highest potential to impact water bodies?
- Are the symptoms systemic or localized?
- Where is the proposed project located within the specific watershed?

B. Has a **Local Drainage Area Assessment** been undertaken?

YES / NO

How were the following factors considered in the analysis?

- What is the approximate size of the drainage area?
- What is the stream order(s) on the mitigation site?
- Has the wetland(s) within the mitigation site been hydrologically altered?
- Is the wetland(s) on the mitigation site located within urban or rural setting?
- List any foreseeable changes to the site.

Describe:						

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II. Site Selection Criteria and other Site Considerations

A. Describe how the above factors (in the Watershed Analysis Section) happlied to the project site selection criteria:	
 B. Other important factors to consider for all stream mitigation projects: The location of the impact area(s) within the Ecoregion and specific The location of the compensatory mitigation project within the Ecorespecific watershed Is the proposal a wetland project, a stream project – or both? 	
C. Will Essential Fish Habitat (EFH) resources be affected? (Positive and/or Negative effect) Explain:	YES / NO
D. Will Federally Threatened or Endangered Species or designated CrHabitats be affected? (Positive and/or Negative)Explain:	ritical YES / NO
E. Will State Listed Protected and Rare Species be affected? Explain:	YES / NO
F. Will Anadromous Fish or similar aquatic species be affected? Explain:	YES / NO

G. Do Cultural Resources exist on the site?	YES / NO
Explain:	
H. Do any Haz/Tox issues exist on the site, or within 1-mile of the site?	YES / NO
Explain:	

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III. Reference Ecosystem

A. Has a Reference Ecosystem (RE) been evaluated, surveyed and habeen prepared that evaluates vegetation, soils, hydrology, functions, and hydrogeomorphic considerations?	•
Describe the comparison between the RE and the Mitigation Site:	
B. Was Soil Fertility sampling undertaken in the RE? (Attach Report)	YES / NO
C. RE Lat/Long (given in decimal degrees):	

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IV. Site Level Impairment Assessment/Baseline Assessment

A. How were the following factors surveyed in the site assessment?
1. Hydrology
2. Soils
3. Vegetation
Describe how the above factors have been applied to the project baseline assessment:
B. Were any other factors incorporated into the baseline assessment of the mitigation site?
C. Summarize the site's compromised function(s)/impairment(s) (Attach with Functional Assessment Report):
D. Describe the analysis and consideration of potential impacts to the mitigation site that may occur from changes in upstream and adjacent land use:
E. Has a jurisdictional determination been undertaken and verified by the U.S. Army Corps of Engineers for the site? YES / NO

<u>v.</u>	The Foundation	
Α.	Describe project GOALS SMART:	
В.	Describe Target FUNCTIONS SMART:	
	re these Specific/Measurable/Attainable/Reasonable/Trackable?	YES / NO
C.	Proposed STRUCTURAL ^{SMART} elements of the project:	
	1. <u>Vegetation</u>	
	a. Are plantings listed to species?	YES / NO
	b. Are local propagules (200 miles north/south) to be planted and verified by nursery certificate?	YES / NO
	c. Have diversity and density of species within the Reference Ecosystem been considered in the plan?	YES / NO
	d. Does the planting plan include zonal considerations?	YES / NO
	e. Will the wetland / upland interface be planted with suitable transition zone species?	YES / NO
De	escribe the Planting Quality Assurance / Quality Control Plan:	
	2. <u>Soils</u>	
	a. Has an onsite soils assessment been undertaken?	YES / NO

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	b. List Soil Series and Textures:	
Describe:	c. Are soil types appropriate for the target wetland?	YES / NO
	d. Fertility sampling undertaken in the RE? (Attach Report)	YES / NO
	e. Fertility sampling undertaken in the mitigation site? (Attach report)	YES / NO
	f. Are the fertility results within the standards for the plantings	? YES/NO
Describe res	sults/amendments required:	
	g. If PC Cropland , has site been evaluated for plow pans, field crowns, tile drainage system?	YES / NO
Describe fin	dings and strategies to address:	
	h. Is disking/topsoil management proposed?	YES / NO
Describe:		
Describe:	i. Is there a grading plan ? (Attach)	YES / NO
3. <u>Hy</u>	drology	

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

YES / NO

Describe and justify type of water budget model used:	
b. List the hydrologic inputs :	
c. For groundwater driven systems , monitoring wells are re installed and maintained pursuant to the most recent ERDC Note.	
Describe type of wells and maintenance plan:	
d. For surface water driven systems , flood gauges are requinstalled.	uired to be
Describe type of gages and maintenance plan:	
e. Is the hydrologic regime predicted by the water budget appropriate for the target wetland?	YES / NO
Are these Specific/Measurable/Attainable/Reasonable/Trackable?	YES / NO

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VI. Consideration of Factors of Failure

A. Describe how the following have been considered for this project (includes foreseeable changes off-site):

1.	Elevations/biological benchmarks:
2.	Erosion:
3.	Human Impacts:
4.	Nuisance vegetation:
••	Transamos rogotation:
5.	Herbivory:
6	Beaver Impacts:
٥.	Beaver impacts.
7.	Soil/Substrate/Geologic Properties:
8.	Construction-phase site degradation:

B. Are persistent earthen features within the stream buffer proposed for the project? [berms, dikes, excavated areas with spoil placed	
within the project site, etc.]	YES / NO
Describe/Justify:	
Are these Specific/Measurable/Attainable/Reasonable/Trackable?	YES / NO
Explain:	

<u>VI</u>	. Performance Standards SMART	
Α.	Vegetation:	
В.	Hydrology:	
C.	Soils:	
Δr	e these Specific/Measurable/Attainable/Reasonable/Trackable?	YES / NO

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VIII. Monitoring SMART

	A. Name and telephone number of the person responsible for the success of this project:					
В.	Describe Vegetation monitoring plan:					
C.	Describe Hydrology monitoring plan:					
D.	Describe Soils monitoring plan:					
Ε.	As-Built Report to be submitted within 30 days of project construction? YES / NO					
F.	Date Annual Monitoring Report to be submitted:					
	G. Deadline date for first Annual Monitoring Report (to be provided no earlier than 10 months and no later than 14 months after completion of construction):					
	·					
<mark>Ar</mark>	e these Specific/Measurable/Attainable/Reasonable/Trackable? YES / NO					

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IX. Site Management

Α.	Describe proposed Financial Assurances:					
	· ·					
В.	Describe Adaptive Management strategies:					
C.	Name and telephone number of person responsible for the success of this project:					
D.	Describe the Final Disposition of the property and legal protection mechanism(s): _					
	Describe the Long Term Management / Stewardship Plan for the property and w funded:					
	Name and phone number of person who will manage the site after the mitigation ort is deemed successful:					

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Oth	er	N	otes:

Address the sections of the document in which all problems and/or deficiencies have been identified.