

## TXRAM WETLAND DATA SHEET

Project/Site Name/No.: \_\_\_\_\_ Project Type:  Fill/Impact ( Linear  Non-linear)  Mitigation/Conservation  
 Wetland ID/Name: \_\_\_\_\_ WAA No.: \_\_\_\_\_ Size: \_\_\_\_\_ Date: \_\_\_\_\_ Evaluator(s): \_\_\_\_\_  
 Wetland Type: \_\_\_\_\_ Ecoregion: \_\_\_\_\_ Delineation Performed:  Previously  Currently  
 Aerial Photo Date and Source: \_\_\_\_\_ Site Photos: \_\_\_\_\_ Representative:  Yes  No

Notes:

## LANDSCAPE

**Aquatic Context – Confirm in office review. See figures in section 2.3.1.1 for examples.**

Notes on any barriers or alterations that prevent connection: \_\_\_\_\_

Aquatic resources within 1,000 feet of WAA to which wetland connects (including number for other considerations): \_\_\_\_\_ **Score:** \_\_\_\_\_**Buffer – Evaluate to 500 feet from WAA boundary. Confirm in office review. See figures in section 2.3.1.2 for examples.**

Buffer Type/Description	Score (See Narratives)	Percentage	Subtotal
1.			
2.			
3.			
4.			
5.			

**Score:** \_\_\_\_\_

## HYDROLOGY

**Water Source – Degree of natural or unnatural/artificial influence. Confirm in office review for watershed.**Natural:  Precipitation  Groundwater  Overbank flow/stream discharge  Overland flow  Beaver activity  Other: \_\_\_\_\_Unnatural/Manipulated:  Impoundment  Outfall  Irrigation/pumping  Other artificial influence or control: \_\_\_\_\_Watershed:  Development  Irrigated agriculture  Wastewater treatment plant  Impoundment  Other: \_\_\_\_\_Degree of artificial influence/control:  Complete  High  Low  NoneWetland created/restored/enhanced:  Sustainable/replicates natural  Controlled **Score:** \_\_\_\_\_**Hydroperiod – Variability and recent alteration of the duration, frequency, and magnitude of inundation/saturation.**

Evaluate the hydroperiod including natural variation: \_\_\_\_\_

Direct evidence of alteration: Natural:  Log-jam  Channel migration  Other: \_\_\_\_\_Human:  Diversions  Ditches  Levees  Impoundments  Other: \_\_\_\_\_Riverine only:  Recent channel in-stability/dis-equilibrium ( Degradation or  Aggradation)Indirect evidence of alteration:  Wetland plant stress: \_\_\_\_\_  Plant morphology: \_\_\_\_\_ Upland species encroachment: \_\_\_\_\_  Plant Community: \_\_\_\_\_  Soil: \_\_\_\_\_Change/Alteration of hydroperiod:  None  Due to natural events  Human influences ( Slight or  High)

Degree hydroperiod of wetland created/restored/enhanced replicates natural patterns: \_\_\_\_\_

Lacustrine fringe on human impoundment:  High variability  Low variability  Recent changes to hydroperiod **Score:** \_\_\_\_\_**Hydrologic Flow – Movement of water to or from surrounding area and openness to water moving through the WAA.**Flow:  Inlets: \_\_\_\_\_  Outlets: \_\_\_\_\_  Signs of water movement to or from WAA: \_\_\_\_\_Restrictions:  Levee  Berm/dam  Diversion  Other: \_\_\_\_\_High flowthrough:  Floodplain  Drift deposits  Drainage patterns  Sediment deposits  Other: \_\_\_\_\_Low flowthrough:  High landscape position  Stagnant water  Closed contours  Other: \_\_\_\_\_ **Score:** \_\_\_\_\_

## SOILS

**Organic Matter – Use data and indicators from wetland determination data form(s) based on applicable regional supplement.** High (organic soil or indicator A1, A2, A3) Moderate (indicator A9, S1, F1 in AW or A9, S1, S2, F1 in GP or A6, A7, A9, S7, F13 in AGCP) Low (indicated by thin organic or organic-mineral layer)  None observable in surface layer as described herein **Score:** \_\_\_\_\_

**Sedimentation – Deposition of excess sediment due to human actions. Confirm in office review for landscape.**

Landscape with stress that could lead to excess sedimentation?  Yes  No Landscape position:  High  Low  
 Magnitude of recent runoff/flooding events:  High  Low Percent of WAA with excess sediment deposition: \_\_\_\_\_  
 Sand deposits: \_\_\_\_\_% of area, \_\_\_\_\_ average thickness  Silt/Clay deposits: \_\_\_\_\_% of area, \_\_\_\_\_ average thickness  
 Lacustrine fringe only:  Upper end of impoundment  Degrades wetland  Contributes to wetland processes **Score:** \_\_\_\_\_

**Soil Modification – Physical changes by human activities. Confirm in office review for past.**

Type (Check those applicable and circle R for recent or P for past):  Farming R/P  Logging R/P  Mining R/P  Filling R/P  
 Grading R/P  Dredging R/P  Off-road vehicles R/P  Other R/P: \_\_\_\_\_  
 Percent of WAA with recent soil modification: \_\_\_\_\_% Degree of modification:  High  Low  
 Indicators of past modification:  High bulk density  Low organic matter  Lack of soil structure  Lack of horizons  Hardpan  
 Dramatic change in texture/color  Heterogeneous mixture  Other: \_\_\_\_\_  
 Indicators of recovery:  Organic matter  Structure  Horizons  Mottling  Hydric soil  Other: \_\_\_\_\_  
 Percent of WAA with past modification: \_\_\_\_\_% Recovery:  Complete  High  Moderate  Low  None **Score:** \_\_\_\_\_

**PHYSICAL STRUCTURE****Topographic Complexity – See figures in section 2.3.4.1. Record % micro-topography and % WAA for each elevation gradient.**

Elevation gradients (EG): \_\_\_\_\_ Evidence:  Plant assemblages  Level of saturation/inundation  Path of water flow  Slope  
 Micro-topography: \_\_\_\_\_% of WAA (By EG: \_\_\_\_\_)  
 Types:  Depressions  Pools  Burrows  Swales  Wind-thrown tree holes  Mounds  Gilgai  Islands  
 Variable shorelines  Partially buried debris  Debris jams  Plant hummocks/roots  Other: \_\_\_\_\_ **Score:** \_\_\_\_\_

**Edge Complexity – Confirm in office review. See figure in section 2.3.4.2 to evaluate wetland boundary.**

WAA:  In seasonal floodplain  Contiguous to other wetland  Edge vertical structure variation: \_\_\_\_\_  
 Horizontal variability:  High  Moderate  Low  None **Score:** \_\_\_\_\_

**Physical Habitat Richness – See definitions and table in section 2.3.4.3 for habitat types applicable to each wetland type.**

Label of habitat types qualifying as present in WAA: \_\_\_\_\_ Total: \_\_\_\_\_ **Score:** \_\_\_\_\_

**BIOTIC STRUCTURE****Plant Strata – Use applicable wetland delineation regional supplement and data from determination data form(s).**

Number of plant strata:  ≥ 4  3  2  1  0 **Score:** \_\_\_\_\_

**Species Richness – Use data from determination data form(s) to count species with 5% or more relative cover in a stratum.**

Number of species across all strata and determination data forms (not counting a species more than once): \_\_\_\_\_ **Score:** \_\_\_\_\_

**Non-Native/Invasive Infestation – Use data from determination data form(s). See tables in section 2.3.5.3 for examples.**

Average total relative cover of non-native/invasive species across all strata and determination data forms: \_\_\_\_\_% **Score:** \_\_\_\_\_

**Interspersion – Confirm in office review. Use figure in section 2.3.5.4 to determine the degree of interspersion of plant zones.**

Degree of horizontal/plan view interspersion:  High  Moderate  Low  None  Bottomland hardwood forest **Score:** \_\_\_\_\_

**Strata Overlap – Use strata defined in plant strata metric using applicable regional supplement. See figures in section 2.3.5.5.**

High overlap (≥ 3 strata overlapping): \_\_\_\_\_% of WAA Moderate overlap (2 strata overlapping): \_\_\_\_\_% of WAA  
 Herbaceous species/dense litter overlap (only in portion where there are no other strata overlapping): \_\_\_\_\_% of WAA  
 Total percentage of WAA with some form of overlap (if more than one present): \_\_\_\_\_% of WAA **Score:** \_\_\_\_\_

**Herbaceous Cover – Estimate for entire WAA. In South Central Plains or East Central Texas Plains:  Bottomland hardwood forest**

Total cover of emergent and submergent plants:  > 75%  51–75%  26–50%  ≤ 25% **Score:** \_\_\_\_\_

**Vegetation Alterations – Unnatural (human-caused) stressors. Confirm in office review for past.**

Type (Check those applicable and circle R for recent or P for past):  Disking R/P  Mowing/shredding R/P  Logging R/P  
 Cutting R/P  Trampling R/P  Herbicide treatment R/P  Herbivory R/P  Disease R/P  Chemical spill R/P  
 Pollution R/P  Feral hog rooting R/P  Woody debris removal R/P  Other R/P: \_\_\_\_\_  
 Percent of WAA with recent vegetation alteration: \_\_\_\_\_% Severity of alteration:  High  Low  
 Percent of WAA with past vegetation alteration: \_\_\_\_\_% Degree of recovery:  Complete  High  Moderate  Low  
 Alteration to improve wetland (degree of natural community recovery): \_\_\_\_\_ **Score:** \_\_\_\_\_