

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

Connectivity – Confirm in office review. See figures in section 2.3.1.1 for examples.

Notes on any barriers or alterations that prevent connectivity: _____

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-to-upland boundary.

Variability: High Moderate Low None Edge (feet) to Area (square feet) ratio: _____ **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 **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.

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:** _____