WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site:       City/County:       Sampling Date:

Applicant/Owner:       State:       Sampling Point:

Investigator(s):       Section, Township, Range:

Landform (hillslope, terrace, etc.):       Local relief (concave, convex, none):       Slope (%):

Subregion (LRR):       Lat:       Long:       Datum:

Soil Map Unit Name:       NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)

Are Vegetation      , Soil      , or Hydrology       significantly disturbed? Are “Normal Circumstances” present? Yes  No

Are Vegetation      , Soil      , or Hydrology       naturally problematic? (If needed, explain any answers in Remarks.)

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

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| Hydrophytic Vegetation Present? Yes  No  Hydric Soil Present? Yes  No  Wetland Hydrology Present? Yes  No | **Is the Sampled Area**  **within a Wetland?** Yes  No |
| Remarks: | |

VEGETATION – Use scientific names of plants.

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| Absolute Dominant Indicator  Tree Stratum (Plot size:      ) % Cover Species? Status  1.                    2.  3.  4.        = Total Cover Sapling/Shrub Stratum (Plot size:      ) 1.  2.  3.  4.  5.        = Total Cover  Herb Stratum (Plot size:      )  1.  2.  3.  4.  5.  6.  7.  8.        = Total Cover  Woody Vine Stratum (Plot size:      )  1.  2.        = Total Cover  % Bare Ground in Herb Stratum       % Cover of Biotic Crust | **Dominance Test worksheet:**  Number of Dominant Species  That Are OBL, FACW, or FAC:       (A)  Total Number of Dominant  Species Across All Strata:       (B)  Percent of Dominant Species  That Are OBL, FACW, or FAC:       (A/B) |
| **Prevalence Index worksheet:**  Total % Cover of: Multiply by:  OBL species       x 1 =  FACW species       x 2 =  FAC species       x 3 =  FACU species       x 4 =  UPL species       x 5 =  Column Totals:       (A)       (B)  Prevalence Index = B/A = |
| **Hydrophytic Vegetation Indicators:**  Dominance Test is >50%  Prevalence Index is ≤3.01  Morphological Adaptations1 (Provide supporting  data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation1 (Explain)  1Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| **Hydrophytic**  **Vegetation**  **Present? Yes**  **No** |
| Remarks: | |

**SOIL** Sampling Point:

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| **Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**  Depth Matrix Redox Features  (inches) Color (moist) % Color (moist) % Type1 Loc2 Texture Remarks                                                                 1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 2Location: PL=Pore Lining, M=Matrix. | |
| **Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils3:**  Histosol (A1)  Sandy Redox (S5)  1 cm Muck (A9) (**LRR C**)  Histic Epipedon (A2)  Stripped Matrix (S6)  2 cm Muck (A10) (**LRR B**)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydrogen Sulfide (A4)  Loamy Gleyed Matrix (F2)  Red Parent Material (TF2)  Stratified Layers (A5) (**LRR C**)  Depleted Matrix (F3)  Other (Explain in Remarks)  1 cm Muck (A9) (**LRR D**)  Redox Dark Surface (F6)  Depleted Below Dark Surface (A11)  Depleted Dark Surface (F7)  Thick Dark Surface (A12)  Redox Depressions (F8) 3Indicators of hydrophytic vegetation and  Sandy Mucky Mineral (S1) wetland hydrology must be present,  Sandy Gleyed Matrix (S4) unless disturbed or problematic. | |
| **Restrictive Layer (if present):**  Type:  Depth (inches): | **Hydric Soil Present? Yes**  **No** |
| Remarks: | |

HYDROLOGY

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| **Wetland Hydrology Indicators:**  Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)  Surface Water (A1)  Salt Crust (B11)  Water Marks (B1) (**Riverine**)  High Water Table (A2)  Biotic Crust (B12) Sediment Deposits (B2) **(Riverine)**  Saturation (A3)  Aquatic Invertebrates (B13)  Drift Deposits (B3) (**Riverine**)  Water Marks (B1) (**Non riverine**)  Hydrogen Sulfide Odor (C1)  Drainage Patterns (B10)  Sediment Deposits (B2) (**Non riverine**)  Oxidized Rhizospheres along Living Roots (C3)  Dry-Season Water Table (C2)  Drift Deposits (B3) (**Non riverine**)  Presence of Reduced Iron (C4)  Crayfish Burrows (C8)  Surface Soil Cracks (B6)  Recent Iron Reduction in Tilled Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Inundation Visible on Aerial Imagery (B7)  Thin Muck Surface (C7)  Shallow Aquitard (D3)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  FAC-Neutral Test (D5) | |
| **Field Observations:**  Surface Water Present? Yes  No  Depth (inches):  Water Table Present? Yes  No  Depth (inches):  Saturation Present? Yes  No  Depth (inches):  (includes capillary fringe) | **Wetland Hydrology Present? Yes**  **No** |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | |
| Remarks: | |