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 IndicatorTree Stratum (Plot size:      ) % Cover Species? Status 1.                         2.                         3.                         4.                                = Total CoverSapling/Shrub Stratum (Plot size:      )1.                         2.                         3.                         4.                         5.                                = Total CoverHerb Stratum (Plot size:      )1.                         2.                         3.                         4.                         5.                         6.                         7.                         8.                                = Total CoverWoody 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 SpeciesThat 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:       |