WETLAND DETERMINATION DATA FORM[1]
(Not for use in Alaska)

Project/Site: _____ City/County: _____ Sampling Point: _____

Applicant/Owner: _____ State: _____ Sampling Date: _____

Investigator(s): _____ Section, Township, Range: _____

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

Subregion (LRR or MLRA): _____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? No_____ (If yes, explain in Remarks)

Are "Normal Circumstances" present? Yes_____ No_____. (If no, explain in Remarks.)

Are Vegetation_____, Soil_____, or Hydrology_____ naturally problematic? No_____(If Yes, explain in Remarks.)

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

Hydrophytic Vegetation Present?	Yes_____ No_____	Is the Sampled Area within a Wetland? **Yes_____ No_____**
Hydric Soil Present?	Yes_____ No_____	
Wetland Hydrology Present?	Yes_____ No_____	

Remarks:

Profile Sketch

Provide a profile sketch of sample point relative to wetland/nonwetland boundary.

[1] Version 2008-5: This composite data form is for use in Wetland Training Institute classes and has not been officially adopted by the Corps of Engineers.

HYDROLOGY – (check all that apply) Region Code: WM-Western Mtn; Sampling Point: _____
AW-Arid West; GP-Great Plains; A&G-Atl& Gulf Coastal Plain; M-Midwest; NCNE-Northcentral Northeast

Always Primary Indicators (minimum of 1 required;)	**Always Secondary** (minimum of two required)
___ Surface Water (A1) (All)	___ Drainage Patterns (B10) (All)
___ High Water Table (A2) (All)	___ Moss Trim Lines (B16) (A&G, NCNE)
___ Saturation (A3) (All)	___ Crayfish Burrows (C8) (All but WM)
___ Algal Mat or Crust (B4) (All but AW)	___ Saturation Visible on Aerial Imagery (C9) (All)
___ Iron Deposits (B5) (All but AW)	___ Geomorphic Position (D2) (All but AW)
___ Inundation Visible on Aerial Imagery (B7) (All)	___ Shallow Aquitard (D3) (WM, AW, A&G, NCNE)
___ Salt Crust (B11) (AW, WM, GP)	___ FAC-Neutral Test (D5) (All)
___ Biotic Crust (B12) (AW)	___ Frost-heave Hummocks (D7) (WM, GP:LRR F)
___ Aquatic Fauna/Invertebrates (B13) (All)	
___ True Aquatic Plants (B14) (M)	
___ Marl Deposits (B15) (AW, A&G LRR U, NCNE)	
___ Hydrogen Sulfide Odor (C1) (All)	
___ Presence of Reduced Iron (C4) (All)	
___ Recent Iron Reduction in Tilled Soils (C6) (All but GP)	

Primary or Secondary in different regions	**Primary Regions**	**Secondary Regions**
Water Marks (B1)	___ All but AW riverine	___ AW riverine
Sediment Deposits (B2)	___ All but AW riverine	___ AW riverine
Drift Deposits (B3)	___ All but AW Riverine	___ AW Riverine
Surface Soil Cracks (B6)	___ WM & AW	___ GP, A&G, M
Sparsely Vegetated Concave Surface (B8)	___ M	___ WM, AW, GP, A&G
Water-Stained Leaves (B9)	___ AW, WM, GP, A&G, M	___ WM: MLRA 1, 2, 4A, 4B
Dry-Season Water Table (C2)	___GP	___WM, AW, A&G, NCNE
Oxidized Rhizospheres on Living Roots (C3)	___All but GP tilled	___GP tilled
Thin Muck Surface (C7)	___A&G, NCNE	___AW, GP
Stunted/Stressed Plants (D1)	___AW (LRR A)	___NCNE

Other (Explain in Remarks)

Field Observations:

Surface Water Present? Yes_____ No_____ Depth (inches):_____

Water Table Present? Yes_____ No_____ Depth (inches):_____

Saturation Present? (includes capillary fringe) Yes_____ No_____ Depth (inches):_____

Wetland Hydrology Present?

Yes_____ No_____

Remarks: Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

SOIL: **Sampling Point:** _____

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)**	**%**	**Type[1]**	**Loc[2]**	**Texture**	**Remarks**

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: Region Code: WM-Western Mtn; AW-Arid West; GP-Great Plains; A&G-Atl& Gulf Coastal Plain; M-Midwest; NCNE-Northcentral & Northeast

	Histosol (A1) (All)		Polyvalue Below Surface (S8) (A&G LRR S, T, U; NCNE LRR R, 149B, Problem LRR K, L)
	Histic Epipedon (A2) (All)		Thin Dark Surface (S9) (A&G LRR S, T, U; NCNE LRR R, 149B, Problem LRR K, L)
	Black Histic (A3) (All except NCNE MLRA 143 of LRR R)		Loamy Mucky Mineral (F1) (WM except MLRA1; A, GP, M, A&G LRR O; NCNE LRR K, L)
	Hydrogen Sulfide (A4) (All)		Loamy Gleyed Matrix (F2) (All)
	Stratified Layers (A5) (A&G, M, AW LRR C, GP LRR F, NCNE)		Depleted Matrix (F3) (All)
	Organic Bodies (A6) (A&G LRR P, T, U)		Redox Dark Surface (F6) (All)
	5 cm Mucky Mineral (A7) (A&G LRR P, T, U)		Depleted Dark Surface (F7) (All)
	Muck Presence (A8) (A&G LRR U)		Redox Depressions (F8) (All)
	1 cm Muck (A9) (LRR D, F, G H, P, T; Problem C, I, J, O)		Vernal Pools (F9) (Arid)
	2 cm Muck (A10) (M; Problem WM, AW LRR B, A&G LRR S, NCNE LRR K L 149B of S)		Marl (F10) (A&G LRR U)
	Depleted Below Dark Surface (A11) (All)		Depleted Ochric (F11) (A&G MLRA 151)
	Thick Dark Surface (A12) (All)		Iron-Manganese Masses (F12) (A&G LRR O, P, T; Problem in M, NCNE)
	Coast Prairie Redox (A16) (A&G MLRA 150A; Problem GP LRR F, G, H; M Problem; Problem NCNE except 149B of LRR S)		Umbric Surface (F13) (A&G LRR P, T, U)
	Sandy Mucky Mineral (S1) (All except A&G LRRs O&S only)		High Plains Depressions (F16) (GP MLRA 72, 73; Problem in rest of LRR H)
	2.5 cm Mucky Peat or Peat (S2) (GP LRR G, H)		Delta Ochric (F17) (A&G MLRA 151)
	5 cm Mucky Peat or Peat (S3) (GP LRR F; NCNE Problem)		Reduced Vertic (F18) (A&G MLRA 150A, 150B) (AW, GP, A&G)
	Sandy Gleyed Matrix (S4) (All)		Piedmont Floodplain Soils (F19) (A&G: MLRA 149A; Problem in LRR P, S, T)
	Sandy Redox (S5) (All)		Anomalous Bright Loamy Soils (F20) (A&G MLRA 149A, 153C, 153D; Problem in MLRA 153B)
	Stripped Matrix (S6) (All)		Red Parent Material (TF2) (Problem in All but M)
	Dark Surface (S7) (A&G LRR P, S, T, U; GP Problem in LRR G; NCNE MLRA 149B, Problem LRR K, L)		Other (Explain in Remarks)

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Problematic Hydric Soil? Yes _____ No _____
(Indicators of hydrophytic vegetation and wetland hydrology must be present.)

Hydric Soil Present? Yes _____ No _____

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: _____

Tree Stratum (Plot sizes: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
Total Cover:			
Sapling Stratum (_____)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
Total Cover:			
Shrub Stratum (_____)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
Total Cover:			
Herb Stratum (_____)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
Total Cover:			
Woody Vine Stratum (_____)			
1.			
2.			
3.			
4.			
5.			
Total Cover:			

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:

___Rapid Test for Hydrophytic Vegetation

___Dominance Test is >50%

___Prevalence Index is ≤ 3.0[1]

___Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Nonvascular Plants (Wetland Specialists) (WM):
(10 inch x 10 inch sample frames)

1. _____ % wetland specialist bryophytes
2. _____ % wetland specialist bryophytes
3. _____ % wetland specialist bryophytes

_____ **Mean % wetland specialist bryophytes**

Hydrophytic Vegetation Present? Yes _____ No _____

Remarks: (If observed, list morphological adaptations below).