

COMPARISON OF WETLAND INDICATORS ACROSS REGIONS

As of 10-4-2010

Hydrophytic Vegetation Indicators

		Region									
Code	Indicator	Alaska (Version 2.0)	Arid West (Version 2.0)	Western Mountains, Valleys & Coast (Version 2.0)	Great Plains (Version 2.0)	Midwest (Version 2.0)	Atlantic and Gulf Coastal Plain (Version 2.0)	Northcentral and Northeast (interim)	Caribbean Islands (interim)	Eastern Mountains and Piedmont (interim)	Hawaii and Pacific Islands (interim)
1	Rapid Test			X	X	X	X	X	X	X	X
2	Dominance Test	X	X	X	X	X	X	X	X	X	X
3	Prevalence Index	X	X	X	X	X	X	X	X	X	X
4	Morphological Adaptations	X	X	X	X	X		X		X	
5	Wetland Non-Vascular Plants			X (NW)							

Hydric Soil Indicators

		Region									
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All Soils											
A1	Histosol (or Histel)	X	X	X	X	X	X	X	X	X	X
A2	Histic Epipedon	X	X	X	X	X	X	X	X	X	X
A3	Black Histic		X	X	X	X	X	X	X	X	X
A4	Hydrogen Sulfide	X	X	X	X	X	X	X	X	X	X
A5	Stratified Layers		LRR C		LRR F	X	X	X		X	
A6	Organic Bodies						LRR P,T,U		X		



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F3	Depleted Matrix		X	X	X	X	X	X	X	X	X
F6	Redox Dark Surface		X	X	X	X	X	X	X	X	X
F7	Depleted Dark Surface		X	X	X	X	X	X	X	X	X
F8	Redox Depressions		X	X	X	X	X	X	X	X	X
F9	Vernal Pools		X								
F10	Marl						LRR U				
F11	Depleted Ochric						MLRA 151				
F12	Iron-Manganese Masses						LRR O,P,T			LRR N, MLRA 136	
F13	Umbric Surface						LRR P,T,U			MLRA 136,122	
F16	High Plains Depressions				MLRA						
F17	Delta Ochric						MLRA 151				
F18	Reduced Vertic						MLRA 150A,B				
F19	Piedmont Floodplain Soils						MLRA 149A			MLRA 148	
F20	Anomalous Bright Loamy Soils						MLRA 149A, 153C,153D				
Problem Soils											
A5	Stratified Layers								X		X
A9	1 cm Muck		LRR C		LRR I,J		LRR O				
A10	2 cm Muck		LRR B	X			LRR S	LRR K,L,S		MLRA 147	
A16	Coast Prairie Redox				LRR	X		LRR K,L,R		MLRA 147,	
S1	Sandy Mucky Mineral										X
S3	5 cm Mucky Peat or Peat							LRR K,L,R			
S7	Dark Surface				LRR G	X		LRR K,L			
S8	Polyvalue Below Surface							LRR K,L			
S9	Thin Dark Surface							LRR K,L			
F12	Iron-Manganese Masses					X		LRR K,L,R			



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A2	High water table	P	P	P	P	P	P	P	P	P	P
A3	Saturation	P	P	P	P	P	P	P	P	P	P

Group B - Evidence of Recent Inundation

B1	Water marks	P	P (S riverine)	P	P	P	P	P	P	P	P
B2	Sediment deposits	P	P (S riverine)	P	P	P	P	P	P	P	P
B3	Drift deposits	P	P (S riverine)	P	P	P	P	P	P	P	P
B4	Algal mat or crust	P	--	P	P	P	P	P	P	P	P
B5	Iron deposits	P	--	P	P	P	P	P	P	P	P
B6	Surface soil cracks	P	P	P	S	S	S	S	S	S	S
B7	Inundation visible on aerial imagery	P	P	P	P	P	P	P	P	P	P
B8	Sparsely vegetated concave surface	P	--	P	S	P	S	P	S	S	S
B9	Water-stained leaves	S	P	P (S on NW coast)	P	P	P	P	P	P	P
B10	Drainage patterns	S	S	S	S	S	S	S	S	S	S
B11	Salt crust	--	P	P	P	--	--	--	--	--	--
B12	Biotic crust	--	P	--	--	--	--	--	--	--	--
B13	Aquatic invertebrates (or "fauna")	--	P	P	P	P ("fauna")	P ("fauna")	P ("fauna")	P ("fauna")	P ("fauna")	P ("fauna")
B14	True aquatic plants	--	--	--	--	P	--	--	--	P	--
B15	Marl deposits	P	--	--	--	--	P (LRR U)	P	--	--	--
B16	Moss trim lines	--	--	--	--	--	S	S	--	S	--
B17	Tilapia nests	--	--	--	--	--	--	--	--	--	P

Group C - Evidence of Current or Recent Soil Saturation

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C1	Hydrogen sulfide odor	P	P	P	P	P	P	P	P	P	P
C2	Dry-season water table	P	S	S	P	S	S	S	S	S	S
C3	Oxidized rhizospheres along living roots	S	P	P	P (S where tilled)	P	P	P	P	P	P
C4	Presence of reduced iron	S	P	P	P	P	P	P	P	P	P
C5	Salt deposits	S	--	--	--	--	--	--	--	--	S
C6	Recent iron reduction in tilled soils	--	P	P	--	P	P	P	P	P	P
C7	Thin muck surface	--	P	--	P	P	P	P	P	P	P
C8	Crayfish burrows	--	S	--	S	S	S	S	--	S	--
C9	Saturation visible on aerial imagery	--	S	S	S	S	S	S	S	S	--
C10	Fiddler crab burrows	--	--	--	--	--	--	--	P	--	P (Guam, CNMI, Amer. Samoa)

Group D - Evidence from Other Site Conditions or Data

D1	Stunted or stressed plants	S	--	P (LRR A)	--	S	--	S	--	S	S
D2	Geomorphic position	S	--	S	S	S	S	S	S	S	S
D3	Shallow aquitard	S	S	S	--	--	S	S	S	S	S
D4	Microtopographic relief	S	--	--	--	--	--	S	--	S	--
D5	FAC-neutral test	S	S	S	S	S	S	S	S	S	S
D6	Raised ant mounds	--	--	S (LRR A)	--	--	--	--	--	--	--
D7	Frost-heave hummocks	--	--	S	S (LRR F)	--	--	--	--	--	--
D8	Sphagnum moss	--	--	--	--	--	S (LRR T, U)	--	--	--	--
D9	Gauge or well data	--	--	--	--	P	--	--	--	--	--

P = Primary

S = Secondary