Table S1. Variables in 27 reviewed wetland identification and restoration prioritization models. Variables are ordered top to bottom based on frequency of usage (ranging from one to 17 studies), and studies are ordered left to right based on the number of variables used (also ranging from one to 17 variables).

	Vellidis et al. 2003	Lin and Kleiss 2007	Cedfeldt et al. 2000	Brown and Strayner 1994	Liu et al. 2006	Van Lonkhuyzen et al. 2004	Gatti and Richardson 1999	Brophy 2005	Kauffman-Axelrod 2010	Copeland et al. 2010	White and Fennessy 2005	Ausseil et al. 2007	Kramer and Carpenedo 2009	McAllister et al. 2000	Ouyang 2011	Moreno-Mateos et al. 2012	Berman et al 2002	Huang et al. 2010	Tang et al. 2012	Newbold 2005	Schleupner and Schneider 2013	Schleupner 2010	Strager et al. 2010	McCauley and Jenkins 2005	Russell et al. 1997	Williams 2002	Palmeri and Trepel 2002
1. Presence of Hydric Soils/ Soil Class	X	X	X	X		X	X				X		X	X	X	X	X			X		X	X	X		X	
2. Hydrologic Connectivity		X	X	X		X			X		X	X				X	X	X						X		X	
3. Land Use	X				X	X				X	X			X	X	X	X			X							
4. Land Cover		X	X			X	X		X			X	X										X		X		
5. Classified Wetland				X	X	X	X	X	X												X		X				
6. Wetland Connectivity			X	X				X	X			X	X				X	X									

	Vellidis et al. 2003	Lin and Kleiss 2007	Cedfeldt et al. 2000	Brown and Strayner 1994	Liu et al. 2006	Van Lonkhuyzen et al. 2004	Gatti and Richardson 1999	Brophy 2005	Kauffman-Axelrod 2010	Copeland et al. 2010	White and Fennessy 2005	Ausseil et al. 2007	Kramer and Carpenedo 2009	McAllister et al. 2000	Ouyang 2011	Moreno-Mateos et al. 2012	Berman et al 2002	Huang et al. 2010	Tang et al. 2012	Newbold 2005	Schleupner and Schneider 2013	Schleupner 2010	Strager et al. 2010	McCauley and Jenkins 2005	Russell et al. 1997	Williams 2002	Palmeri and Trepel 2002
7. Wetland Size (Area)			X	X	X			X				X						X									
8. Soil Saturation/Wetness	X	X									X				X			X							X		
9. Slope	X		X				X						X			X						X					
10. Proximity to Conservation/ Protected areas	X	X			X								X				X										
11. Proximity to Dam/Tide gates	X		X						X	X																	
12. Depressions		X				X													X					X			
13. Adjacent Vegetation			X			X		X											X								
14. Distance to Roads	X	X								X																	
15. Water Quality without Wetland											X		X		X												
16. Precipitation	X													X						X							

	Vellidis et al. 2003	Lin and Kleiss 2007	Cedfeldt et al. 2000	Brown and Strayner 1994	Liu et al. 2006	Van Lonkhuyzen et al. 2004	Gatti and Richardson 1999	Brophy 2005	Kauffman-Axelrod 2010	Copeland et al. 2010	White and Fennessy 2005	Ausseil et al. 2007	Kramer and Carpenedo 2009	McAllister et al. 2000	Ouyang 2011	Moreno-Mateos et al. 2012	Berman et al 2002	Huang et al. 2010	Tang et al. 2012	Newbold 2005	Schleupner and Schneider 2013	Schleupner 2010	Strager et al. 2010	McCauley and Jenkins 2005	Russell et al. 1997	Williams 2002	Palmeri and Trepel 2002
17. Land Cost	X													X							X						
18. "Surrounding Naturalness"									X			X									X						
19. Distance to Sea/Open Water												X									X	X					
20. Proximity to Restoration Sites		X		X																							
21. Soil Productivity				X														X									
22. 100 year floodplain		X				X																					
23. Habitat Core-Area ratio		X		X																							
24. Soil Infiltration Rate			X																	X							
25. Wetland Classification			X	X																							
26. Overland Flow Length											X				X												
27. Rarity of Wetland vs. Nearby Wetlands			X		X																						

	Vellidis et al. 2003	Lin and Kleiss 2007	Cedfeldt et al. 2000	Brown and Strayner 1994	Liu et al. 2006	Van Lonkhuyzen et al. 2004	Gatti and Richardson 1999	Brophy 2005	Kauffman-Axelrod 2010	Copeland et al. 2010	White and Fennessy 2005	Ausseil et al. 2007	Kramer and Carpenedo 2009	McAllister et al. 2000	Ouyang 2011	Moreno-Mateos et al. 2012	Berman et al 2002	Huang et al. 2010	Tang et al. 2012	Newbold 2005	Schleupner and Schneider 2013	Schleupner 2010	Strager et al. 2010	McCauley and Jenkins 2005	Russell et al. 1997	Williams 2002	Palmeri and Trepel 2002
28. Stream Order	X														X												
29. Road Density					X				X																		
30. # of Land Owners					X			X																			
31. Interior Habitat				X																							
32. Part of Contiguous Enhancement				X																							
33. Corrects Habitat Fragmentation				X																							
34. Wetland Order				X																							
35. Katrina Storm damaged areas		X																									
36. Distance to Seed Source		X																									
37. Storm Surge Capacity		X																									

	Vellidis et al. 2003	Lin and Kleiss 2007	Cedfeldt et al. 2000	Brown and Strayner 1994	Liu et al. 2006	Van Lonkhuyzen et al. 2004	Gatti and Richardson 1999	Brophy 2005	Kauffman-Axelrod 2010	Copeland et al. 2010	White and Fennessy 2005	Ausseil et al. 2007	Kramer and Carpenedo 2009	McAllister et al. 2000	Ouyang 2011	Moreno-Mateos et al. 2012	Berman et al 2002	Huang et al. 2010	Tang et al. 2012	Newbold 2005	Schleupner and Schneider 2013	Schleupner 2010	Strager et al. 2010	McCauley and Jenkins 2005	Russell et al. 1997	Williams 2002	Palmeri and Trepel 2002
38. Within Stream Buffer		X																									
39. Habitat Block Size		X																									
40. Proximity to other Storm Damaged Areas		X																									
41. Geomorphology																X											
42. Wetland Area vs. Watershed Area			X																								
43. Watershed Pollutant Level			X																								
44. Total Soil Loss							X																				
45. K Factor							X																				
46. Cropping Management Factor							X																				
47. Sediment Delivery							X																				

	Vellidis et al. 2003	Lin and Kleiss 2007	Cedfeldt et al. 2000	Brown and Strayner 1994	Liu et al. 2006	Van Lonkhuyzen et al. 2004	Gatti and Richardson 1999	Brophy 2005	Kauffman-Axelrod 2010	Copeland et al. 2010	White and Fennessy 2005	Ausseil et al. 2007	Kramer and Carpenedo 2009	McAllister et al. 2000	Ouyang 2011	Moreno-Mateos et al. 2012	Berman et al 2002	Huang et al. 2010	Tang et al. 2012	Newbold 2005	Schleupner and Schneider 2013	Schleupner 2010	Strager et al. 2010	McCauley and Jenkins 2005	Russell et al. 1997	Williams 2002	Palmeri and Trepel 2002
48. Saturation Index											X																
49. Diversity of Nearby Wetlands			X																								
50. Floating Variables																											X
51. Flow Friction	X																										
52. Presence of Watershed and Environ. protection groups	X																										
53. Return Period	X																										
54. Unpaved Road Density	X																										
55. Development Site Runoff	X																										
56. Channel Sources	X																										
57. Upland Runoff	X																										
58. Stream Density														X													

	Vellidis et al. 2003	Lin and Kleiss 2007	Cedfeldt et al. 2000	Brown and Strayner 1994	Liu et al. 2006	Van Lonkhuyzen et al. 2004	Gatti and Richardson 1999	Brophy 2005	Kauffman-Axelrod 2010	Copeland et al. 2010	White and Fennessy 2005	Ausseil et al. 2007	Kramer and Carpenedo 2009	McAllister et al. 2000	Ouyang 2011	Moreno-Mateos et al. 2012	Berman et al 2002	Huang et al. 2010	Tang et al. 2012	Newbold 2005	Schleupner and Schneider 2013	Schleupner 2010	Strager et al. 2010	McCauley and Jenkins 2005	Russell et al. 1997	Williams 2002	Palmeri and Trepel 2002
59. Artificial Channel Density														X													
60. Representative of Original Landscape												X															
61. Tidal Channel Condition								X																			
62. Salmonid Diversity								X																			
63. Historic Wetland								X																			
64. Wetland Drain Vol.					X																						
65. Acid Sulphate Soils					X																						
66. Soil Characteristics																			X								
67. Water Volume																			X								
68. Habitat Condition																			X								
69. Population Density																				X							

	Vellidis et al. 2003	Lin and Kleiss 2007	Cedfeldt et al. 2000	Brown and Strayner 1994	Liu et al. 2006	Van Lonkhuyzen et al. 2004	Gatti and Richardson 1999	Brophy 2005	Kauffman-Axelrod 2010	Copeland et al. 2010	White and Fennessy 2005	Ausseil et al. 2007	Kramer and Carpenedo 2009	McAllister et al. 2000	Ouyang 2011	Moreno-Mateos et al. 2012	Berman et al 2002	Huang et al. 2010	Tang et al. 2012	Newbold 2005	Schleupner and Schneider 2013	Schleupner 2010	Strager et al. 2010	McCauley and Jenkins 2005	Russell et al. 1997	Williams 2002	Palmeri and Trepel 2002
70. Restoration Cost																					X						
71. Road-Stream Intersections									X																		
72. Elevation																						X					
73. Climate																						X					
74. Biodiversity										X																	
75. Contamination Sources										X																	
76. Oil and Gas Potential										X																	
77. Climate Change Potential										X																	
78. Development Potential										X																	