

EXCERPT FROM:

**Wetland Restoration Plan for the Woonasquatucket River
Watershed, Rhode Island**

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RI DEM



Table 1. Functional assessment form for potential wetland restoration sites.

Site ID #: _____

Date: _____

Function	*	Criteria (highlighted criteria are necessary to the function)	O,E,S [†]	Source [‡]	Notes
<i>Flood Abatement</i>		1) Impervious surfaces cover > 20% of land within 500 feet of restoration assessment unit (RAU)**	O	L, f	
		2) Slopes within 500 feet of RAU are > 15%	O	L, f	
		3) Point-source discharge or concentrated stormwater flow into RAU	O	L, f	
		4) RAU borders or contains a lower perennial stream	O	l, F	
		5) RAU occurs within a basin	E	l, F	
		6) More than 50% of wetland unit (WU) area is dominated by dense, persistent vegetation (EM, SS, or FO)	E	L, f	***
		7) Developed flood-prone areas within 5 miles downstream of RAU (connection by stream or floodway required)	S	L	
<i>Water Quality Improvement</i>		1) Point-source discharge or concentrated stormwater flow into RAU	O	L, f	
		2) Impervious surfaces, active agricultural land, or barren land comprise > 20% of land within 500 feet of RAU	O	L, f	
		3) More than 50% of WU area is dominated by dense, persistent vegetation (EM, SS, or FO)	E	L, f	***
		4) RAU occurs within a basin	E	l, F	
		5) RAU has a constricted outlet	E	L, f	
		6) RAU is within a wellhead protection area	S	L	
		7) RAU borders or contains a water body that is on the Rhode Island List of Impaired Waters	S	L	
<i>Wildlife Habitat</i>		1) Wetlands and deepwater habitats comprise > 15% of land within 1 mile of RAU	E	L	
		2) RAU is contiguous with > 400 acres of moderate to high quality habitat (wetland or deepwater habitat, upland forest or shrubland, abandoned field, or agricultural land)	E	L	
		3) RAU > 5 acres	E	L	
		4) RAU contains wetland-dependent wildlife habitat (OW, marsh, bog, or fen)	E	L, f	***
		5) No point-source discharge or concentrated stormwater flow into RAU	E	L, f	
		6) Less than 0.25 acres of invasive plants in WU	E	l, F	***
		7) Moderate to high quality habitat (wetland or deepwater habitat, upland forest or shrubland, abandoned field, or agricultural land) comprises > 70% of land within 500	E	L, f	
	Y	8) Social significance assumed to be present	S		

(Continued)

Table 1. (Concluded).

Function	*	Criteria (highlighted criteria are necessary to the function)	O,E,S	Source	Notes
<i>Fish Habitat</i>		1) Permanent pond or lower perennial stream is present in RAU	O	l, F	
		2) No point-source discharge or concentrated stormwater flow into RAU	E	L, f	
		3) Permanent pond or lower perennial stream within RAU is bordered by trees or shrubs for > 75% of its length	E	L, f	
		4) Impervious surfaces cover < 20% of land within 500 feet of RAU	E	L, f	
		5) Open water, if present in RAU, > 2 acres	E	L	***
	Y	6) Social significance assumed to be present	S		
<i>Heritage</i> Aesthetics Recreation Education Research Open space Biodiversity		1) RAU is physically or visually accessible	O	F	
		2) RAU borders or contains public land	O	L, f	
		3) RAU contains open water	O	L, f	***
		4) No point-source discharge or concentrated stormwater flow into RAU	E	L, f	
		5) No evidence of noise pollution or trash in RAU	E	F	
		6) RAU contains 3 or more wetland types	E	L, f	***
		7) Uncommon wetland type (bog, fen, marsh, wet meadow, or cedar swamp) is present in RAU	E	L, f	***
		8) Waterbird habitat (OW or marsh) is present in RAU	E	L, f	***
		9) Moderate to high quality habitat (wetland or deepwater habitat, upland forest or shrubland, abandoned field, or agricultural land) comprises < 50% of land within 1 mile	S	L	
		10) Wetlands and deepwater habitats comprise < 10% of land within 1 mile of RAU	S	L	
		11) RAU is located within 1 mile of a school or college	S	L	

* Mark each box as Y, N, D, or NA (i.e., yes, no, don't know, or not applicable)

† O = opportunity; E = effectiveness; S = social significance

** Restoration assessment unit (RAU) may include (1) potential restoration site (PRS) and contiguous wetland unit (WU) or (2) just PRS (if no contiguous wetland is present).

‡ L,l = lab data; F,f = field data. Upper case signifies primary source; lower case signifies secondary source.

*** Not applicable if entire wetland unit has been destroyed.