

















Function Assessed	Projec Index before	t Wetlan Index after project	d Difference (functions	Restora Index before	tion We Index after restoration	tland Difference (functions
A	project 0.5	0.0	lost) -0.5	restoration 0.2	0.7	_{gained)} +0.5
В	0.9	0.0	-0.9	0.3	0.6	+0.3
С	0.7	0.0	-0.7	0.1	0.1	0.0
D	0.1	0.0	-0.1	0.2	0.5	+0.3
E	0.2	0.0	-0.2	0.2	0.7	+0.5























- General
- Invertebrate
- Amphibian
- Anadromous fish
- Resident fish
- Wetland-associated birds
- Wetland associated mammals
- Native plant richness
- Primary production

Example of assessment of a function

- A function (such as sediment removal) is represented by a score that combines several variables (V).
- Variables represent measurable environmental characteristics (D values) that are considered important in the performance of a function.
- · Function scores are calculated for
 - Effectiveness
 - Reduced performance

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Velocity reductionV storageAverage depth of both and dead storageVelocity reductionV outQualitative descriptors outlet constrictionVelocity reductionV effectareal% of AU seasonally inundatedFiltrationV vegclass% of AU in different Cowardin vegetation classes	riocess	Variables	Measures or Indicators
Velocity reductionV outQualitative descriptors outlet constrictionVelocity reductionV effectareal% of AU seasonally inundatedFiltrationV vegclass% of AU in different Cowardin vegetation classes	Velocity reduction	V storage	Average depth of both live and dead storage
Velocity reduction V effectareal % of AU seasonally inundated Filtration V vegclass % of AU in different Cowardin vegetation classes	Velocity reduction	V out	Qualitative descriptors of outlet constriction
Filtration V vegclass % of AU in different Cowardin vegetation classes	Velocity reduction	V effectarea1	% of AU seasonally inundated
	Filtration	V vegclass	% of AU in different Cowardin vegetation classes
Filtration V understory % area if herbaceous understory in AU	Filtration	V understory	% area if herbaceous understory in AU



Process	Variables	Measures or Indicators
Phosphorus removal	S sed	Index for Removing Sediments
Phosphorus removal	V sorp	% of AU with clay soil; % of AU with organic soil
Nitrogen transformation	V effectarea2	Area of seasonal inundatio minus area of permanent open water
Nitrogen transformation	V out	Qualitative description of outlet characteristics
Nitrogen transformation	V out	Qualitative description of outlet characteristics



1100035	Variables	Measures or Indicators
Primary Production	V vegcover	% of AU with vegetation cover
Primary Production	V non-evergreen	% area of all non-evergree vegetation
Primary Production	V understory	% area of herbaceous understory in AU
Export	V org	Extent of organic soils in AU
Export	V effectarea1	% of AU that is seasonally inundated
Reducers:	V bogs	% of AU covered by a sphagnum bog
ex: (Vvegcover + Vn	on-evergreen + Vunderstory) Score from reference sta	x (Vorg + Veffectarea1) x Vbog

D- (Data) Values for calculating Variables, "Primary Production" Function	
<u>V vegcover</u>	
D14: Percent of AU with different Cowardin classes	
V understory	
D16: Percent of area with a herbaceous understory	
<u>V org</u>	
D47: Soils in A horizon	
<u>V effectarea1</u>	
D8: Percent of AU inundated	
Vbogs	
D23 : Percent of AU with sphagnum	
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Process	Variables	Measures or Indicators
Breeding, feeding and refuge for amphibians	V buffcond	Descriptive table of conditions in buffer
	V substrate	Types of surface substrates present
	V wintersp	Diagrams
	V lwd	Categories of LWD present
	V water	% of AU with permanent water, or permanent water under FO or SS
	V substruc	Categorization by dichotomous key
Reducers:	V phow	pH tabs, direct measurement
	V upcover	Land uses within 1 km of wetland
Index: (Vbuffcond + Vsubstrate +	+ Vwintersp + Vlwd + Vwate (Vphow o	er + Vsubstruc) x r Vupcover)

D- (Data) Values for calculating variables, "Amphibian Habitat" Function	
<u>V</u> buffcond	
D42 : Characteristics of the buffer	
<u>V substrate</u>	
D46: Composition of AU non-living surface	
<u>V wintersp</u>	
D38: Interspersion between vegetated areas and open water	
<u>V lwd</u>	
D44: Large Woody Debris on AU surface	
D45: Large Woody Debris in permanent open water	
<u>V water</u>	
D8.3: Percent of AU with permanent open water	
D14.6: Percent of AU in Aquatic Bed	
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