

**Aquatic System Intactness (a.k.a. stressor) and Resiliency Metrics**

used in the index of ecological integrity portion of the Landscape Change, Assessment and Design (LCAD) model.

Aquatic Sub-team  
June 2014

Formation/ Macrogroup	Extent (1000 ha)	Habitat loss	Habitat loss-watershed	Road traffic	Agriculture (mowplow)	Microclimate alterations-edges	Salt-watershed - road class	Sediment-watershed - road class	Nutrients-watershed - road class	Edge predators	Imperviousness-watershed	Dam intensity	Connectedness	Connectedness-aquatic	Similarity	cats	bad-plants	worms	
		low	med/hi	low	low	o/low	o/low	low	low/med	low	med	hi	low	hi		o	o	o	o
General aquatics	n/a	low	med/hi	low	low	o/low	o/low	low	low/med	low	med	hi	low	hi		o	o	o	o
Headwater Creeks	75	1	2	1	1	1	0	1	1	1	2	3	2	3		0	0	0	0
Small Rivers	4.6	1	2	1	1	1	0	1	1	1	2	3	1	4		0	0	0	0
Medium Rivers	4.4	1	2	1	1	0	0	1	1	1	2	3	1	4		0	0	0	0
Large Rivers	8	1	3	1	1	0	0	1	1	1	2	2	1	4		0	0	0	0
Lake	46	1	4	1	1	0	1	1	2	1	1	0	2	2		2	0	0	0
Pond	10	1	4	2	1	0	1	1	2	1	1	0	3	0		2	0	0	0
Freshwater tidal rivers	3.3	1	3	1	1	0	0	1	1	1	2	2	1	4		0	0	0	0
Estuarine Intertidal	1	7.1	0	2.1	0.8	0	0	0	0	2.4	0	0	11.2	0		9.8	1.4	0	0
Marine Intertidal		8.6	0	1.2	0	0	0	0	0	5.1	0	0	15.8	0		16.8	3.3	0	0