

# Table 1

Table 1: Mean and interquartile range of selected lake characteristics.

	Mean	IQR
Total Phosphorus (ug/L)	40	20 - 110
Chlorophyll (ug/L)	11.85	6.05 - 21.3
Secchi Depth (m)	1.5	0.9 - 2.4
P Retention (%)	0.46	0.24 - 0.59
Residence Time (yr)	0.63	0.2 - 1.8
Lake Area (km <sup>2</sup> )	6.54	2.93 - 21.88
Maximum Depth (m)	12.95	9.2 - 21.34
Agricultural Landuse (%)	53.27	17.68 - 74.05
Lake Watershed Area (km <sup>2</sup> )	88	21 - 410
Network Watershed Area (km <sup>2</sup> )	143	54 - 550

# Table 2

Table 1: Classification and ranking of connectivity metrics, lake depth, and their partition split values according to median effect size.

Metric	Scale	Connectivity Type	Split Value	Delta k
Average Link Length	nws	Longitudinal	2380	0.23
Closest lake distance	nws	Longitudinal	3774	0.22
Stream density	nws	Lateral	13.84	0.20
Lake Connection	focal	Longitudinal	-	0.17
Upstream lake area	nws	Longitudinal	154	0.16
Max Depth	focal	-	19.81	0.15
Average Link Length	lws	Longitudinal	2177	0.14
Upstream lake area	lws	Longitudinal	279	0.13
Baseflow	lws	Lateral	63.76	0.12
Stream order ratio	lws	Longitudinal	0.67	0.10
Baseflow	nws	Lateral	53.43	0.08
Closest lake distance	lws	Longitudinal	3274	0.05
Stream order ratio	nws	Longitudinal	0.4	0.04
Stream density	lws	Lateral	4.43	0.03