



# Report Card: Eramosa Karst

About the site	Map
Potruff Spring	
Sampled on 24 May 2012	
Hamilton Conservation Authority	
<b>Why is this stream important?</b> <ul style="list-style-type: none"> <li>- Area of Natural and Scientific Interest</li> <li>- Potential urban development nearby</li> </ul>	

Invertebrate Community	Site Photo
<p><b>Potruff Spring- Eramosa Karst CA</b></p>	

Variable Measured	2010	2011	2012
Total number of invertebrates	296	259	334
Average species richness (number of species)	7.3	8.7	7
% pollution sensitive taxa (%EPT) (Mayflies, stoneflies, caddisflies)	0%	0%	0%
% pollution tolerant taxa (Aquatic worms, midges)	10.5%	57.9%	21.1%

Water Quality	2010	2011	2012	2010	2011	2012	
Total Phosphorus (ug/L)	90.74	47.16	27.67	Chlorophyll a (ug/L)	14.66	0.97	0.13
Total Nitrogen (mg/L)	4.2	4.8	1.50	pH	7.34	7.11	6.99
Conductivity (uS/cm)	1001	701	622	Turbidity (NTU)	39.7	4.89	2.74

**Overall status:** Conditions are improving but still relatively high phosphorus and conductivity, and aquatic insect community is still dominated by pollution tolerant taxa