



Report Card: Tiffany Creek

About the site	Map
Tiffany Falls	
Sampled on 23 May 2012	
Hamilton Conservation Authority	
Why is this stream important? - Downstream of an urbanizing area	

Invertebrate Community	Site Photo
<p style="text-align: center;">Tiffany Creek</p> <p style="text-align: center;">OBBN taxa grouping</p>	

Variable Measured	2010	2011	2012
Total number of invertebrates	339	422	285
Average species richness (number of species)	5	3	4.3
% pollution sensitive taxa (%EPT) (Mayflies, stoneflies, caddisflies)	4.1%	3.2%	5.2%
% pollution tolerant taxa (Aquatic worms, midges)	82.3%	97.2%	26%

Water Quality	2010	2011	2012		2010	2011	2012
Total Phosphorus (ug/L)	35.31	61.24	45.94	Chlorophyll a (ug/L)	0.8	5.8	2.01
Total Nitrogen (mg/L)	2.35	0.3	1.63	pH	8.05	8.48	7.91
Conductivity (uS/cm)	1053	530	485	Turbidity (NTU)	3.54	8.90	14.1

Overall status: Water quality variables (phosphorus and turbidity) are elevated and percentage of pollution-sensitive aquatic insect taxa is low; continue to monitor to examine trend.