



# Report Card: Felker Creek

About the site	Map
Felker Creek near Red Hill and King St.	
Sampled on 26 May 2012	
Hamilton Conservation Authority	
<b>Why is this stream important?</b> - Urban Creek	

Invertebrate Community	Site Photo
<p><b>Felker Creek- Veevers Dr.</b></p>	

Variable Measured	2010	2011	2012
<b>Total number of invertebrates</b>	330	369	480
<b>Average species richness (number of species)</b>	6	7	6
<b>% pollution sensitive taxa (%EPT) (Mayflies, stoneflies, caddisflies)</b>	38.1%	6.9%	1.7%
<b>% pollution tolerant taxa (Aquatic worms, midges)</b>	43.0%	55.6%	43.5%

Water Quality	2010	2011	2012		2010	2011	2012
<b>Total Phosphorus (ug/L)</b>	102.41	25.58	105.63	<b>Chlorophyll a (ug/L)</b>	1.23	3.56	8.57
<b>Total Nitrogen (mg/L)</b>	2.7	0.0	1.6	<b>pH</b>	8.17	8.55	8.06
<b>Conductivity (uS/cm)</b>	1333	405	519	<b>Turbidity (NTU)</b>	4.97	4.43	10.39

**Overall status: Water quality parameters (phosphorus, conductivity, turbidity) indicate degraded conditions. invertebrate community must continue to improve.**