Nottawasaga Valley Watershed Restoration Targets & Current Conditions

Our Watershed Management Plan and our stream monitoring programs inform our restoration priorities and targets (updated 2013)

Nottawasaga Valley Watershed Restoration Targets & Current Conditions									
Watershed	**Area km^2**	**Streams with Natural Buffers**	**Wetland Cover**	**Forest Cover**	**Interior Forest**	**E. coli* cfu/100mL**	**Phosphorus Conc. mg/L**	**Current TP load Kg/yr**	**½ Target TP load*** Kg/yr**
Target:		**>75%**	**>10%**	**>30%**	**>10%**	**<100**	**<0.03**	**25,500**	**↓**
Pine River	350	77%	9%	42%	15%	39	0.02	3950	3149
Willow Creek	308	76%	21%	41%	15%	112	0.02	712	584
Upper Nottawasaga	264	74%	11%	34%	7%	25	0.01	5200	4110
Mad River	458	67%	17%	35%	12%	78	0.01	4681	3553
Blue Mountain watersheds	248	67%	6%	31%	8%	83	0.01	-	-
Boyne River	244	63%	10%	21%	2%	73	0.02	4893	3627
Middle Nottawasaga	298	56%	13%	28%	8%	49	0.02	-	-
Severn Sound Headwaters**	421	54%	12%	43%	18%	-		-	-
Innisfil Creek	491	47%	8%	19%	3%	136	0.04	7105	5427
Lower Nottawasaga	462	46%	14%	27%	11%	48	0.04	5308	4051
Total Nottawasaga Valley	**3646**	**65%**	**12%**	**33%**	**10%**	**71**	**0.04**	**46,993**	**36,334**

NOTES:

red = watershed fails to meet minimum water quality and habitat targets and need restoration action

orange = watershed is on the edge (development pressures may move them into red)

* Average bacteria (*E. coli*) levels in watershed streams during baseflow (monitoring 2010-2014). *E. coli* concentrations fluctuate significantly. Concentrations often spike in high flows, following rain/melt events.
Note: Area beaches are more frequently monitored for bacteria during the summer months (Wasaga Beach Provincial Park, Earl Rowe Provincial Park, Tottenham Conservation Area, New Lowell Conservation Area).

** using 2007 statistics

*** The 36.3 Tonne TP load/year is an interim target that will get rivers about ½ way to meeting the provincial water quality objectives for phosphorus concentrations. A reduction to 25.5 Tonnes TP load/year is required to meet provincial water quality objectives, so that nutrient concentrations would not support excessive aquatic plant growth and algae blooms.