

May 14, 2010 - Source Protection Committee Meeting

Trent Assessment Report Update

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Progress/Revisions since last SPC Meeting

- Drafts of all chapters for Trent Assessment Reports complete and posted on Knowledge Base web-site
- AR edited based on SPC and staff comments
- Colborne - Brighton Tier 2 Water Budget is final chapter (provided today for comment)
- Revised IPZ-2s incorporated
- Updated threat counts for IPZ-2s incorporated
- Significant progress made with maps
- Meeting with MOE for preliminary screening
- Consultants currently reviewing groundwater/surface water chapters for accuracy

Preface

Executive Summary

Introduction

Watershed Characterization



Minor Edits

Water Budget

- Colborne - Brighton Tier 2 Water Budget section added
 - Director's Approval for study year
 - Updates to future demand and future water quantity stress for Tier 2 water budget for Havelock subwatershed
 - Detailed tables on current and future demands that require permits and demands that do not require permits compiled for Tier 1 water budget
 - Tier 2 Significant Groundwater Recharge Areas to completed for Havelock, Colborne and Brighton Tier 2 subwatersheds (NOTED AS DATA GAP)
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Groundwater Systems: Water Quality Risk Assessment

- Describe vertical vulnerability approach
 - Remove reference to vertical vulnerability on maps (should be groundwater vulnerability)
 - Make link between “resulted in the deterioration of the quality of water ...” and exceedances. An exceedance is not enough evidence.
 - List of circumstances associated with issues need to be included and referenced on the Issue Contributing Area maps
 - Expand on how Issue Contributing Area determined for Nitrate (Blackstock) and E.coli (Stirling)
 - Add more description re: conditions
 - Managed Lands/Livestock Density maps being revised
 - Updates to GENIVAR significant threat counts (see hand-out)
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System	Changes to Threat Category		Changes to Parcels
Woods of Manilla	+14 -1	Residential Fuel Below Grade Pesticide Application	-1
	+5 -1	Residential Fuel Below Grade NASM Application	0
Mariposa		NASM Application	0
King's Bay	-2 -4	Waste Disposal Threat NASM Application	+26
	+27	Residential Fuel Below Grade	
Janetville	+5	Residential Fuel Below Grade	0
	-1 -1	Waste Disposal Threat NASM Application	0
	+10	Residential Fuel Below Grade	
Pinewood	-1	NASM Application	0
	+25	Residential Fuel Below Grade	
Woodfield	-1 -1	Waste Disposal Threat NASM Application	0
	+14	Residential Fuel Below Grade	
Manorview	-1	NASM Application	0
	+34	Residential Fuel Below Grade	
Victoria Glen	+1	Sanitary Sewage	+ 14
	+17	Residential Fuel Below Grade	
Birch Point	-1	Pesticide Application	0
Victoria Place	-2	Pesticide Application	0
	-1	NASM Application	

Landscape Vulnerability

- Add uncertainty for HVA & SGRA vulnerability
- Clarify that vulnerability assessed at regional scale and at WHPA scale

Climate Change

Great Lakes Considerations

Cross-boundary Considerations

- Add reference/maps for Woodville and Belleville

Conclusions and Next Steps

- Update significant threats count
- Clarify difference between: *Information to Support Continual Improvement* and *Data Gaps*

Minor Edits

General Updates throughout

- Add sections in applicable chapters entitled: *Information to Support Continual Improvement*
- Misc. terminology corrections based on MOE review/Minor editing
- Add more description for methods/information on data ranges








SPA	Surface Water Systems	Parcels with Sig.Threats
Kawartha -Haliburton	Norland	84
	Kinmount	65
	Fenelon Falls	2
	Lindsay	15
	Southview	1
	Bobcaygeon	4
	SUBTOTAL	171
Otonabee-Peterborough	Lakefield	31
	Peterborough	32
	Hastings	44
	SUBTOTAL	107
Crowe	Marmora	20
Lower Trent	Campbellford	39
	Warkworth	30
	Frankford	12
	Batawa	25
	Trenton	22
	Bayside	1
	SUBTOTAL	129

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SPA	GW Systems	S. Threats Parcels					
Kawartha -Haliburton	Minden	10	DRAFT	Otonabee-Peterborough	Norwood	13	
	Lutterworth Pines	1			Crystal Springs	7	
	Port Perry	3			Millbrook	12	
	Greenbank	22			Keene Heights	1	
	Blackstock	58			Buckhorn Lake	21	
	Woods of Manilla	21			Alpine Village	54	
	Sonya	16			Birch Point	45	
	Mariposa Estates	31			Pinewood	26	
	Kings Bay	4			Fraserville	4	
	Pleasant Point	20			SUBTOTAL	183	
	Canadian Shores	29		Crowe	Cardiff	2	
	Janetville	15			Dyno Estates	7	
	Woodfield	16			Havelock	50	
	Manorview	35			SUBTOTAL	59	
	Victoria Glen	4			Lower Trent	Stirling	140
	Victoria Place	32				Grafton	1
	SUBTOTAL	317		Colborne		2	
				Brighton		5	
				SUBTOTAL	148		

SPA	Surface Water Systems	Parcels with Sig. Threats
Kawartha -Haliburton	Surface Water	171
	Groundwater	317
	SUBTOTAL	488
Otonabee-Peterborough	Surface Water	107
	Groundwater	183
	SUBTOTAL	290
Crowe	Surface Water	20
	Groundwater	59
	SUBTOTAL	79
Lower Trent	Surface Water	129
	Groundwater	148
	SUBTOTAL	277
TCC	Surface Water	427
	Groundwater	707
	TOTAL	1134

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Trent Source Protection Areas – Land Activities	# Sig Threats
The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage	733
The handling and storage of fuel	523 
The application of agricultural source material to land	177
The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard	136
The application of pesticide to land	87 
The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the EPA	69 
The application of road salt	50
The storage of agricultural source material	38
The application of non-agricultural source material to land	32 
The application of commercial fertilizer to land	22
The handling and storage of a dense non-aqueous phase liquid	20 
The handling and storage of an organic solvent	9
The handling and storage of pesticide	4
The handling and storage of commercial fertilizer	3
The storage of snow	1

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**Opportunity to provide comments on
Colborne - Brighton Tier 2 Water Budget**

