

# Assessment Report Working Session

## Trent River Assessment Report

## Ganaraska Region Assessment Report

### Lead by:

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## Two Partial Draft Assessment Reports:

### **Trent River Assessment Report**

- Table of Contents
- Introduction
- Watershed Characterization
- Great Lakes Consideration
- Water Budget
- Conceptual
- Tier 1
- Surface Water Vulnerability
- Significant Groundwater Recharge Areas
- Potential Climate Change Implications

### **Ganaraska Region Assessment Report**

- Table of Contents
- Introduction
- Watershed Characterization
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- Significant Groundwater Recharge Areas

## Considerations

- Watershed Characterization, Water Budgets, Consultant's Reports – Background Documents (referenced in the report)  
--these reports provide the details
- Assessment Report includes information required by Technical Rules (extracted from these reports) and limited additional material to help it mesh together
- Draft chapters subject to change (once other chapters written)
- Draft watershed characterization maps available on Knowledge Base
- Opportunities to revise the reports until submitted to SPAs ( June?)
- Comments from SPC will be considered/reported on at a later meeting

Draft Sections		Time	
		Minutes	Range
<b>CH 1: Introduction</b>		<b>15</b>	10:30 – 10:45
<b>CH 2: Watershed Characterization</b>		<b>75</b>	10:45 – 12:00
	Summary	10	
	1.0 Overview of Source Protection Area	10	
	2.0 Geography and Land Use	15	
	3.0 Overview of Drinking Water Systems	15	
	4.0 Terrestrial and Aquatic Characteristics	10	
	5.0 Surface and Groundwater Quality	15	
<b>LUNCH</b>		<b>45</b>	12:00-12:45
<b>CH 3: Water Budget &amp; Water Quantity Stress Assessment</b>		<b>60</b>	12:45 – 1:45
	3.1 Conceptual Water Budget	30	
	3.2 Tier 1 Water Budget & Water Quantity Stress Assessment	30	
<b>CH 4: System-based Vulnerability, Threats, and Issues</b>		<b>20</b>	1:45 - 2:05
	4.1 Surface Water		
	4.1.1 Vulnerability Assessment		
<b>CH 5: Landscape Scale Vulnerability</b>		<b>20</b>	2:05 – 2:25
	5.2 Significant Groundwater Recharge Areas		
<b>CH 6: Great Lakes Considerations</b>		<b>15</b>	2:25 – 2:40
<b>CH 7: Potential Climate Change Implications</b>		<b>20</b>	2:40 – 3:00

## Table of Contents

- Acknowledgements / Executive Summary
- Chapter 1: Introduction
- Chapter 2: Watershed Characterization
- Chapter 3: Water Budget & Water Quantity Stress Assessment
- Chapter 4: System-based Vulnerability, Threats, and Issues
- Chapter 5: Landscape Scale Vulnerability
- Chapter 6: Great Lakes Considerations
- Chapter 7: Potential Climate Change Implications
- Chapter 8: Matters Affecting Other Source Protection Areas & Regions
- Chapter 9: Next Steps
- Appendices

**15 min**

## Chapter 1: Introduction

### 1.1 Clean Water Act

Emphasize the prevention aspect of source protection planning

*Reword section*



## Chapter 2: Watershed Characterization

### Introduction

#### 1.0 Overview of Source Protection Area

#### 2.0 Geography and Land Use

##### 2.2.2 Municipalities

The table of municipal populations does not reflect the seasonal influx of residents in the SPA.

*Clarify in text*

##### 2.2.5 Federal Lands

It was pointed out that the land on the bottom of lakes on the TSW are under Federal jurisdiction.

*Clarify in text (note that all draft maps show lakes on the TSW as Federal lands)*

## Chapter 2: Watershed Characterization

### 2.0 Geography and Land Use (cont.'d)

#### 2.2.7 Livestock Density

Explain why some livestock data shown in the table of livestock densities was suppressed by Statistics Canada.

*Clarify in text (i.e. protection of personal information)*

## Chapter 2: Watershed Characterization

### 3.0 Overview of Drinking Water Systems

Indicate that only two of the *Safe Drinking Water Act* classifications are applicable to the source protection process.

*Clarify in text*

#### Table 7: Drinking Water System Classifications

It was suggested that First Nation systems should be added to the table.

*Note that First Nation systems do not have Safe Drinking Water Act classifications (i.e. this section is intended to satisfy the Technical Rule that requires that we identify the SDWA classifications of drinking water systems 16(3)(b))*

## Chapter 2: Watershed Characterization

### 4.0 Terrestrial and Aquatic Characteristics



## Chapter 2: Watershed Characterization

### 5.0 Surface and Groundwater Quality

#### 5.1.2.4 Esherichia coli (E. coli)

It was suggested that there is not enough data in the characterization of E. coli in surface water. It was also pointed out that there are additional sources of E. coli available that are not represented in the draft.

*Refer reader to the evaluation of drinking water Issues, which includes an assessment of the available E. coli data at surface water intakes in the SPR)*

## Chapter 2: Watershed Characterization

### 5.0 Surface and Groundwater Quality (cont.'d)

#### 5.2.3.1 Drinking Water Information System

It was suggested that DWIS data is not appropriate for characterizing groundwater quality on a regional basis, and that Table 27 (summarizing DWIS data for 75 systems) should be removed.

*Note that DWIS data are only summarized in one of the five watershed characterizations. The table will be removed.*

## **Chapter 3: Water Budget & Water Quantity Stress Assessment**

**60 min**

1.0 Introduction

2.0 Conceptual Water Budget

3.0 Tier 1 Water Budget

4.0 Tier 2 Water Budget

5.0 Tier 3 Water Budget (to be included in revised AR, if required)

**20 min**

## **Chapter 4: System-based Vulnerability, Threats, and Issues**

### 4.1 Surface Water

#### 4.1.1 Vulnerability Assessment

#### 4.1.2 Threats

#### 4.1.3 Issues

### 4.2 Groundwater

#### 4.2.1 Vulnerability Assessment

#### 4.2.2 Threats

#### 4.2.3 Issues

## Chapter 5: Landscape Scale Vulnerability

**20 min**

- Significant Groundwater Recharge Areas
- **Highly Vulnerable Aquifers**



## Chapter 6: Great Lakes Considerations

**15 min**



**20 min**

## **Chapter 7: Potential Climate Change Implications**

- New draft
- Literature review of climate change data relevant to SPR
- Table of potential impacts to AR content



## **Chapter 8: Matters Affecting other SPAs & SPRs**

## **Chapter 9: Next Steps**

- Data Gaps
- Anticipated Improvements for Updated Assessment Report
- Preparation of Source Protection Plan