

**Approved Terms of Reference for  
Northern Bruce Peninsula Source Protection Area**

Saugeen, Grey Sauble, and Northern Bruce Peninsula  
Source Protection Committee

Approved by the Minister of the Environment

**August 17, 2009**

# Table of Contents

Introduction .....	1
Map of Source Protection Area .....	3
Map of Source Protection Region.....	4
List of Municipalities Located in the Northern Bruce Peninsula Source Protection Area .....	5
List of Municipal Residential Drinking Water System(s).....	6
List of Drinking Water System(s) Included by Municipal Council Resolution.....	6
List of Drinking Water Systems Serving Reserve(s) .....	7
List of Fully or Partially Exempted Municipal Residential Drinking Water System(s).....	7
List of Drinking Water System(s) Included by Minister of the Environment .....	7
The Work Plan to Complete the Assessment Report .....	8
The Work Plan to Complete the Source Protection Plan .....	11
The Date the Source Protection Plan is to be Submitted to the Minister for Approval by the Northern Bruce Peninsula Source Protection Authority:.....	13
Council Resolution(s) to Include Drinking Water System(s).....	13
Council Resolution(s) to Exempt Municipal Residential Drinking Water System(s).....	13
Detailed Information on Municipal Residential Drinking Water System(s).....	14
Detailed Information on Drinking Water System(s) Included by Municipal Council Resolution.....	15
Detailed Information on Drinking Water System(s) Included by Bands Serving Reserve(s).....	15
Detailed Information on Fully or Partially Exempted Municipal Residential Drinking Water System(s).....	15
Detailed Information on Drinking Water System(s) Included by the Minister of the Environment .....	15
Detailed Work Plan to Complete the Assessment Report.....	16
Detailed Work Plan to Complete the Source Protection Plan .....	22
Summary of Financial Statistics .....	25
Estimated Costs for Tasks by Fiscal Year .....	26
Process Checklist .....	30
Appendix: Full Task Descriptions .....	Appendix - 1

## Introduction

The Approved Terms of Reference document has been developed from the Ministry of the Environment database template. Maps are provided showing the Source Protection Area (SPA) as well as the Source Protection Region. Lists of the municipalities within the SPA and the drinking water systems to be studied are presented. Detailed workplans outline the tasks to be completed in the preparation of the Assessment Report and the Source Protection Plan. Estimated costs related to each task and drinking water system are also provided.

The Source Protection Committee will exercise its local decision-making powers, while at the same time adhering to applicable legislation, regulations, Director's rules, and guidance currently in effect or as these materials are developed. In the development of policies for the Source Protection Plan, the Source Protection Committee will consider the impacts and implications for both the activities that may be affected and the protection of drinking water sources. Recommendations may be made with regard to the establishment of incentive programs, cost-share programs or other financial instruments that may assist property owners in their compliance with the requirements of Source Protection Plan policies.

The Source Protection Committee is responsible for guiding the development of major technical and planning documents related to the program. These documents will contain policies designed to protect our sources of drinking water by addressing significant threats to those sources.

### **Mission Statement**

Providing leadership to engage the entire community in developing comprehensive, responsible solutions to protect our water resources.

### **Guiding Principles**

We value:

- Comprehensive science-based research
- Recognizing and engaging all members of the community as valued stakeholders
- Informed decision-making through communication, education, and responsiveness to community enquiries
- Being open and transparent
- Sustainable and long-term decision-making

**Implementation of Source Protection Plan Policies**

The Source Protection Committee (SPC) is committed to producing the best Source Protection Plans (SPP) possible to protect the quality and quantity of drinking water sources in the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region. The implementation of SPP policies will have financial implications on the agencies or individuals responsible for, or affected by, implementation; however, it is acknowledged that the policies should be sufficiently rigorous to address the significant threats and should not be diminished in any way in an attempt to make them less onerous.

The success of the implementation of SPP policies is directly linked to the availability of provincial funding through programs such as the Ontario Drinking Water Stewardship Program (ODWSP). *The SPC expects a level of financial commitment from the Province of Ontario to ensure the successful implementation of SPP policies. The SPC also expects that landowners will not be unduly affected by the implementation of these policies.*

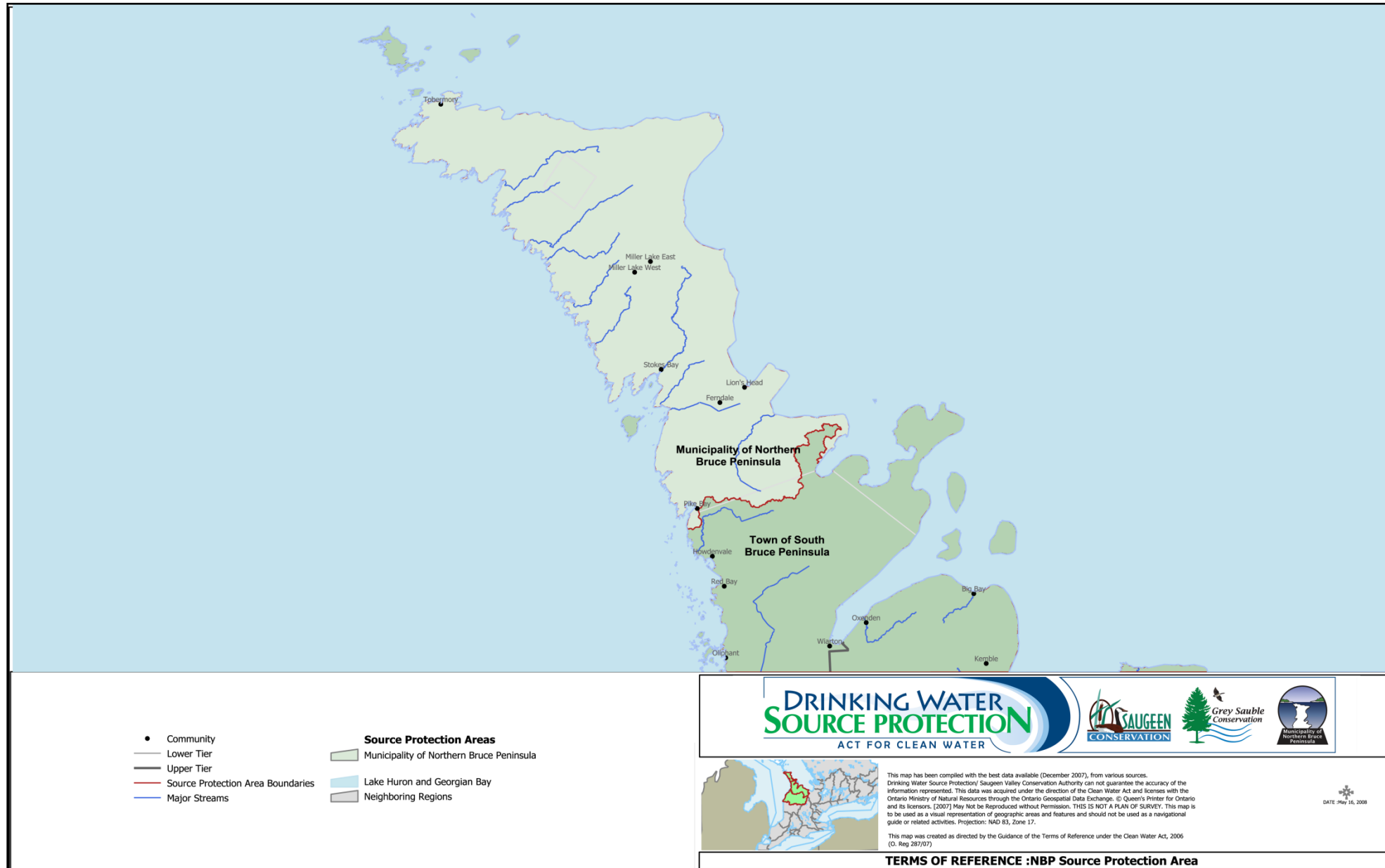
The Source Protection Committee will provide advice to those responsible for implementation of Source Protection Plans, that the implementation of measures required by Source Protection Plan policies be contingent upon the availability of funding to support affected landowners in implementation.

The Source Protection Committee strongly recommends that money be made available locally in the stewardship fund to address implementation and affected landowners when Source Protection Plans are completed.

Following the completion of the Source Protection Plans, policies will be prioritized and implemented as sustainable long-term funding is available.

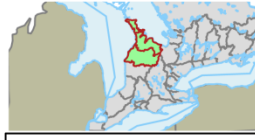
*\* The italicized portion of this section has been amended by the Minister of the Environment.*

# Map of Source Protection Area



- Community
  - Lower Tier
  - Upper Tier
  - Source Protection Area Boundaries
  - Major Streams
- Source Protection Areas**
- Municipality of Northern Bruce Peninsula
  - Lake Huron and Georgian Bay
  - Neighboring Regions

**DRINKING WATER SOURCE PROTECTION**  
ACT FOR CLEAN WATER



This map has been compiled with the best data available (December 2007), from various sources. Drinking Water Source Protection/ Saugeen Valley Conservation Authority can not guarantee the accuracy of the information represented. This data was acquired under the direction of the Clean Water Act and licenses with the Ontario Ministry of Natural Resources through the Ontario Geospatial Data Exchange. © Queen's Printer for Ontario and its licensors. [2007] May Not be Reproduced without Permission. THIS IS NOT A PLAN OF SURVEY. This map is to be used as a visual representation of geographic areas and features and should not be used as a navigational guide or related activities. Projection: NAD 83, Zone 17.

DATE: May 16, 2008

This map was created as directed by the Guidance of the Terms of Reference under the Clean Water Act, 2006 (O. Reg 287/07)

**TERMS OF REFERENCE :NBP Source Protection Area**

# Map of Source Protection Region



MAP 1: Source Protection Areas in the Source Protection Region

## List of Municipalities Located in the Northern Bruce Peninsula Source Protection Area

Legal Name of Municipality
NORTHERN BRUCE PENINSULA, Municipality of
BRUCE, County of

### List of Municipal Residential Drinking Water System(s)

Type of System (existing or planned)	Drinking Water System Number	Drinking Water System Name	Owner	Operating Authority	Type of Source Water (surface, ground, both)
Existing	TBD	Community Centre/Fire hall/Municipal Concession Stand	Municipality of Northern Bruce Peninsula	Oweson Water Services	Groundwater
Existing	220002672	Lions Head WTP	Municipality of Northern Bruce Peninsula	Ontario Clean Water Agency	Surface Water

### List of Drinking Water System(s) Included by Municipal Council Resolution (Not Municipal Residential Drinking Water Systems)

Type of System (existing or planned)	Drinking Water System Number	Drinking Water System Name	Owner	Operating Authority	Type of Source Water (surface, ground, both)	Title of Council Resolution
NONE AT THIS TIME						



**List of Drinking Water Systems Serving Reserve(s)  
(Not Municipal Residential Drinking Water Systems)**

Type of System (existing or planned)	Drinking Water System Number	Drinking Water System Name	Owner	Operating Authority	Type of Source Water (surface, ground, both)	Regulation Reference
NONE AT THIS TIME						

**List of Fully or Partially Exempted Municipal Residential Drinking Water System(s)**

Type of System (existing or planned)	Drinking Water System Number	Drinking Water System Name	Owner	Operating Authority	Type of Source Water (surface, ground, both)	Title of Council Resolution
NONE AT THIS TIME						

**List of Drinking Water System(s) Included by Minister of the Environment  
(Not Municipal Residential Drinking Water Systems)**

Type of System (existing or planned)	Drinking Water System Number	Drinking Water System Name	Owner	Operating Authority	Type of Source Water (surface, ground, both)
NONE AT THIS TIME					

## The Work Plan to Complete the Assessment Report

<b>By Source Protection Area/ Drinking Water System Name</b>	<b>Task</b>	<b>Assigned Lead(s)</b>	<b>Estimated Completion Date</b>	<b>Estimated Cost</b>
Northern Bruce Peninsula Source Protection Area	Coordinating and supporting projects for the assessment report	SV, GS, NBP SPAs	2009-Nov-01	\$201,079
Northern Bruce Peninsula Source Protection Area	Undertaking communications initiatives for the assessment report	SV, GS, NBP SPAs	2009-Nov-01	\$12,128
Northern Bruce Peninsula Source Protection Area	Information management for the assessment report preparation	SV, GS, NBP SPAs	2009-Nov-01	\$20,044
Northern Bruce Peninsula Source Protection Area	Undertaking a watershed characterization	SV, GS, NBP SPAs	2009-Nov-01	\$2,561
Northern Bruce Peninsula Source Protection Area	Conducting a conceptual water budget	SV, GS, NBP SPAs	2008-Jan-31	\$19,645
Northern Bruce Peninsula Source Protection Area	Conducting a tier 1 water budget analysis and stress assessment	SV, GS, NBP SPAs	2008-Aug-30	\$19,094
Northern Bruce Peninsula Source Protection Area	Conducting a tier 2 water budget analysis and stress assessment	SV, GS, NBP SPAs	2009-Sep-01	\$4,500
Northern Bruce Peninsula Source Protection Area	Conducting a tier 3 water budget analysis and water quantity risk assessment	SV, GS, NBP SPAs	2009-Nov-01	To be determined
Northern Bruce Peninsula Source Protection Area	Delineating and applying vulnerability scores to HVAs	SV, GS, NBP SPAs	2008-Dec-01	\$1,665

<b>By Source Protection Area/ Drinking Water System Name</b>	<b>Task</b>	<b>Assigned Lead(s)</b>	<b>Estimated Completion Date</b>	<b>Estimated Cost</b>
Northern Bruce Peninsula Source Protection Area	Identifying issues, inventorying threats and assessing hazards in HVAs	SV, GS, NBP SPAs	2009-Apr-01	Included in HVA on line above
Northern Bruce Peninsula Source Protection Area	Assessing risks in HVAs	SV, GS, NBP SPAs	2009-Oct-01	Included on HVA on line above
Northern Bruce Peninsula Source Protection Area	Applying vulnerability scores to SGRAs	SV, GS, NBP SPAs	2008-Dec-01	\$1,125
Northern Bruce Peninsula Source Protection Area	Identifying issues, inventorying threats and assessing hazards in SGRAs	SV, GS, NBP SPAs	2009-Apr-01	Include in SGRA on line above
Northern Bruce Peninsula Source Protection Area	Assessing risk in SGRAs	SV, GS, NBP SPAs	2009-Oct-31	Included in SGRA on line above
Northern Bruce Peninsula Source Protection Area	Delineating and applying vulnerability scores to WHPAs or IPZs	SV, GS, NBP SPAs	2008-Aug-01	\$79,801
Northern Bruce Peninsula Source Protection Area	Identifying issues, inventorying threats and assessing hazards in WHPAs or IPZs	SV, GS, NBP SPAs	2008-Oct-01	\$44,475
Northern Bruce Peninsula Source Protection Area	Assess risk in WHPAs or IPZs	SV, GS, NBP SPAs	2008-Dec-01	\$16,424
Northern Bruce Peninsula Source Protection Area	Consultation on the overall proposed assessment report	SV, GS, NBP SPAs	2009-Sep-01	Included elsewhere
Northern Bruce Peninsula Source Protection Area	Water quality analyses, location of karst formations and surface water flow analyses.	SV, GS, NBP SPAs	2009-Mar-31	\$2,205

<b>By Source Protection Area/ Drinking Water System Name</b>	<b>Task</b>	<b>Assigned Lead(s)</b>	<b>Estimated Completion Date</b>	<b>Estimated Cost</b>
<b>Municipal Residential Drinking Water Systems</b>				
Lions Head WTP	Delineating and applying vulnerability scores to WHPAs or IPZs	SV, GS, NBP SPAs	2008-Aug-01	\$76,200
Community Centre/Fire hall/Municipal Concession Stand	Delineating and applying vulnerability scores to WHPAs or IPZs	SV, GS, NBP SPAs	2008-Aug-01	\$3,601
Lions Head WTP	Identifying issues, inventorying threats and assessing hazards in WHPAs or IPZs	SV, GS, NBP SPAs	2008-Oct-01	\$36,580
Community Centre/Fire hall/Municipal Concession Stand	Identifying issues, inventorying threats and assessing hazards in WHPAs or IPZs	SV, GS, NBP SPAs	2008-Oct-01	\$7,895
Lions Head WTP	Assess risk in WHPAs or IPZs	SV, GS, NBP SPAs	2008-Dec-01	\$11,880
Community Centre/Fire hall/Municipal Concession Stand	Assess risk in WHPAs or IPZs	SV, GS, NBP SPAs	2008-Dec-01	\$4,544
<b>Drinking Water Systems By Municipal Resolution</b>				
None at this time				
<b>Drinking Water Systems By Band Resolution</b>				
None at this time				
<b>Fully or Partially Exempt Drinking Water Systems</b>				
None at this time				
<b>Drinking Water Systems Included By Minister</b>				
None at this time				

## The Work Plan to Complete the Source Protection Plan

<b>By Source Protection Area/ Drinking Water System Name</b>	<b>Task</b>	<b>Assigned Lead(s)</b>	<b>Estimated Completion Date</b>	<b>Estimated Cost</b>
Northern Bruce Peninsula Source Protection Area	Coordinating and supporting projects for the source protection plan (SPP)	SV, GS, NBP SPAs	2012-Aug-20	\$100,543
Northern Bruce Peninsula Source Protection Area	Undertaking communications initiatives for the source protection plan	SV, GS, NBP SPAs	2012-Aug-20	\$8,970
Northern Bruce Peninsula Source Protection Area	Information management for source protection plan preparation	SV, GS, NBP SPAs	2012-Aug-20	\$2,932
Northern Bruce Peninsula Source Protection Area	Policy development to address drinking water threats (where required and/or permissible in Act/Regs)	SPC	2012-Aug-20	To be determined
Northern Bruce Peninsula Source Protection Area	Policy development for monitoring (where required, advisable and/or permissible in Act & Regs)	SPC	2012-Aug-20	To be determined
Northern Bruce Peninsula Source Protection Area	Policy development for Great Lakes elements (where required/permissible in Act & Regs)	SPC	2012-Aug-20	To be determined
Northern Bruce Peninsula Source Protection Area	Establishing timelines for policy implementation	SPC	2012-Aug-20	To be determined
Northern Bruce Peninsula Source Protection Area	Consultation on the overall proposed source protection plan	SPC	2012-Aug-20	To be determined
<b>Municipal Residential Drinking Water Systems</b>				
Lions Head WTP	Policy development to address drinking water threats (where required and/or permissible in Act/Regs)	SPC	2012-Aug-20	To be determined

<b>By Source Protection Area/ Drinking Water System Name</b>	<b>Task</b>	<b>Assigned Lead(s)</b>	<b>Estimated Completion Date</b>	<b>Estimated Cost</b>
Community Centre/Fire hall/Municipal Concession Stand	Policy development to address drinking water threats (where required and/or permissible in Act/Regs)	SPC	2012-Aug-20	To be determined
Lions Head WTP	Policy development for monitoring (where required, advisable and/or permissible in Act & Regs)	SPC	2012-Aug-20	To be determined
Community Centre/Fire hall/Municipal Concession Stand	Policy development for monitoring (where required, advisable and/or permissible in Act & Regs)	SPC	2012-Aug-20	To be determined
Lions Head WTP	Policy development for Great Lakes elements (where required/permissible in Act & Regs)	SPC	2012-Aug-20	To be determined
Lions Head WTP	Establishing timelines for policy implementation	SPC	2012-Aug-20	To be determined
Community Centre/ Firehall/ Municipal Concession Stand	Establishing timelines for policy implementation	SPC	2012-Aug-20	To be determined
<b>Drinking Water Systems By Municipal Resolution</b>				
None at this time				
<b>Drinking Water Systems By Band Resolution</b>				
None at this time				
<b>Fully or Partially Exempt Drinking Water Systems</b>				
None at this time				
<b>Drinking Water Systems Included By Minister</b>				
None at this time				

**The Date the Source Protection Plan is to be Submitted to the Minister for Approval by the Northern Bruce Peninsula Source Protection Authority:**

2012-Aug-20

**Council Resolution(s) to Include Drinking Water System(s)**

None at this time

**Council Resolution(s) to Exempt Municipal Residential Drinking Water System(s)**

None at this time

## Detailed Information

### Detailed Information on Municipal Residential Drinking Water System(s)

Drinking Water System Type (planned or existing)	Drinking Water System Number	Drinking Water System Name	Owner	Operating Authority	Source Water Type (surface, ground, both)	Number of Wells
Existing	220002672	Lions Head WTP	Municipality of Northern Bruce Peninsula	Ontario Clean Water Agency	Surface Water	0
Number of Surface Water Intakes	Comments					
1	1 intake - Georgian Bay					

Drinking Water System Type (planned or existing)	Drinking Water System Number	Drinking Water System Name	Owner	Operating Authority	Source Water Type (surface, ground, both)	Number of Wells
Existing	TBD	Community Centre/Fire hall/Municipal Concession Stand	Municipality of Northern Bruce Peninsula	Oweson Water Services	Groundwater	1
Number of Surface Water Intakes	Comments					
0						



**Detailed Information on Drinking Water System(s) Included by Municipal Council Resolution**

**(Not Municipal Residential Drinking Water Systems)**

None at this time

**Detailed Information on Drinking Water System(s) Included by Bands Serving Reserve(s)**

**(Not Municipal Residential Drinking Water Systems)**

None at this time

**Detailed Information on Fully or Partially Exempted Municipal Residential Drinking Water System(s)**

None at this time

**Detailed Information on Drinking Water System(s) Included by the Minister of the Environment**

**(Not Municipal Residential Drinking Water Systems)**

None at this time

## Detailed Work Plan to Complete the Assessment Report

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Coordinating and supporting projects for the assessment report	SV, GS, NBP SPAs	2005-Jan-01	2009-Nov-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$201,079

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Undertaking communications initiatives for the assessment report	SV, GS, NBP SPAs	2005-Jan-01	2009-Nov-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$12,128

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Information management for the assessment report preparation	SV, GS, NBP SPAs	2005-Jan-01	2009-Nov-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$20,044

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Undertaking a watershed characterization	SV, GS, NBP SPAs	2005-Jan-01	2009-Nov-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$2,561

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Conducting a conceptual water budget	SV, GS, NBP SPAs	2005-Jan-01	2008-Jan-31
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$19,645

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Conducting a tier 1 water budget analysis and stress assessment	SV, GS, NBP SPAs	2007-Dec-01	2008-Aug-30
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$19,094

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Conducting a tier 2 water budget analysis and stress assessment	SV, GS, NBP SPAs	2009-Apr-01	2009-Sep-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$4,500

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Conducting a tier 3 water budget analysis and water quantity risk assessment	SV, GS, NBP SPAs	2009-Jan-01	2009-Nov-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		To be determined

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Delineating and applying vulnerability scores to HVAs	SV, GS, NBP SPAs	2008-Jul-01	2008-Dec-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$1,665

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Identifying issues, inventorying threats and assessing hazards in HVAs	SV, GS, NBP SPAs	2008-Dec-01	2009-Apr-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		Included in HVA on line above

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Assessing risks in HVAs	SV, GS, NBP SPAs	2009-Apr-01	2009-Oct-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		Included in HVA on line above

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Applying vulnerability scores to SGRAs	SV, GS, NBP SPAs	2008-Jul-01	2008-Dec-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$1,125

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Identifying issues, inventorying threats and assessing hazards in SGRAs	SV, GS, NBP SPAs	2008-Dec-01	2009-Apr-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		Included on SGRA on line above

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Assessing risk in SGRAs	SV, GS, NBP SPAs	2009-Apr-01	2009-Oct-31
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		Included in SGRA on line above

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Delineating and applying vulnerability scores to WHPAs or IPZs	SV, GS, NBP SPAs	2006-Mar-01	2008-Aug-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$79,801

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Identifying issues, inventorying threats and assessing hazards in WHPAs or IPZs	SV, GS, NBP SPAs	2006-Mar-01	2008-Oct-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$44,475

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Assess risk in WHPAs or IPZs	SV, GS, NBP SPAs	2007-Mar-01	2008-Dec-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$16,424

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Consultation on the overall proposed assessment report	SV, GS, NBP SPAs	2009-Jan-01	2009-Sep-01
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		Included elsewhere

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Water quality analyses, location of karst formations and surface water flow analyses.	SV, GS, NBP SPAs	2008-Jun-01	2009-Mar-31
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$2,205

## Detailed Work Plan to Complete the Source Protection Plan

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Coordinating and supporting projects for the source protection plan (SPP)	SV, GS, NBP SPAs	2009-Nov-01	2012-Aug-20
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$100,543

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Undertaking communications initiatives for the source protection plan	SV, GS, NBP SPAs	2009-Nov-01	2012-Aug-20
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$8,970

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Information management for source protection plan preparation	SV, GS, NBP SPAs	2009-Nov-01	2012-Aug-20
Comments		Defined Geographic Area		Estimated Cost
		SV, GS, NBP Source Protection Region		\$2,932



By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Policy development to address drinking water threats (where required and/or permissible in Act/Regs)	SPC	2009-Nov-01	2012-Aug-20
Comments		Defined Geographic Area		Estimated Cost
Costs to be determined		SV, GS, NBP Source Protection Region		To be determined

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Policy development for monitoring (where required, advisable and/or permissible in Act & Regs)	SPC	2009-Nov-01	2012-Aug-20
Comments		Defined Geographic Area		Estimated Cost
Costs to be determined		SV, GS, NBP Source Protection Region		To be determined

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Policy development for Great Lakes elements (where required/permissible in Act & Regs)	SPC	2009-Nov-01	2012-Aug-20
Comments		Defined Geographic Area		Estimated Cost
Costs to be determined		SV, GS, NBP Source Protection Region		To be determined

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Establishing timelines for policy implementation	SPC	2009-Nov-01	2012-Aug-20
Comments		Defined Geographic Area		Estimated Cost
Costs to be determined		SV, GS, NBP Source Protection Region		To be determined

By Source Protection Area	Task	Assigned Lead(s)	Estimated Start Date	Estimated Completion Date
Northern Bruce Peninsula Source Protection Area	Consultation on the overall proposed source protection plan	SPC	2009-Nov-01	2012-Aug-20
Comments		Defined Geographic Area		Estimated Cost
Costs to be determined		SV, GS, NBP Source Protection Region		To be determined

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## Summary of Financial Statistics

	<b>Tasks Done by Source Protection Area or Drinking Water System</b>	<b>Estimated Costs for Tasks Under the Assessment Report</b>	<b>Estimated Costs for Tasks Under the Source Protection Plan</b>	<b>Subtotal</b>
<b>Municipal Residential Drinking Water Systems</b>				
	Community Centre/Fire hall/Municipal Concession Stand	\$16,040	To be determined	\$16,040
	Lions Head WTP	\$124,660	To be determined	\$124,660
<b>Drinking Water Systems By Municipal Resolution</b>	None at this time			
<b>Drinking Water Systems By Band Resolutions</b>	None at this time			
<b>Drinking Water Systems Included By Minister</b>	None at this time			
<b>Total Estimated Costs</b>		<b>\$140,700</b>	<b>To be determined</b>	<b>\$140,700</b>







<b>Drinking Water System Category / Source Protection Area</b>	<b>Tasks</b>	<b>Fiscal Year 04/05</b>	<b>Fiscal Year 05/06</b>	<b>Fiscal Year 06/07</b>	<b>Fiscal Year 07/08</b>	<b>Fiscal Year 08/09</b>	<b>Fiscal Year 09/10</b>	<b>Fiscal Year 10/11</b>	<b>Fiscal Year 11/12</b>
	Establishing timelines for policy implementation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Drinking Water Systems By Municipal Resolution</b>	None at this time								
<b>Drinking Water Systems by Band Resolution</b>	None at this time								
<b>Drinking Water Systems Included by Minister</b>	None at this time								
<b>Fiscal Year Total</b>		<b>\$7,143</b>	<b>\$174,411</b>	<b>\$167,970</b>	<b>\$68,928</b>	<b>\$113,799</b>	<b>\$61,890</b>	<b>\$58,856</b>	<b>\$24,894</b>

## Process Checklist

<b>Regulatory Process</b>	<b>Completion Date</b>	<b>Done By</b>
Give a copy of the comments on proposed terms of reference to the source protection committee.	2008-Oct-14	SPAuthority
Make the draft proposed terms of reference available at other locations.	2008-May-23	SPCommittee
Make the proposed terms of reference available at other locations.	2008-Aug-15	SPCommittee
Municipal council resolutions have been passed agreeing upon work.	2012-Aug-20	SPCommittee
Notice for consultation on draft proposed ToR includes information on public meeting scheduled at least 21 days after newspaper notice is published.	2008-May-23	SPCommittee
Notify band Chiefs on the commencement of the terms of reference.	2008-Jan-9	SPCommittee
Notify municipal clerks on the commencement of the terms of reference.	2008-Jan-9	SPCommittee
Post proposed terms of reference on the Internet for 30 days.	2008-Aug-15	SPCommittee
Post draft proposed terms of reference on Internet.	2008-May-23	SPCommittee
Provide a copy of draft to the chiefs of bands whose reserves are located in the source protection area.	2008-May-23	SPCommittee
Provide a copy of draft proposed terms of reference to the clerks of municipalities located in the source protection area.	2008-May-23	SPCommittee
Provide a copy of proposed terms of reference to the source protection authority.	2008-Aug-15	SPCommittee
Provide a copy of proposed terms of reference to the chiefs of bands whose reserves are located in the source protection area.	2008-Aug-15	SPCommittee
Provide a copy of proposed terms of reference to the clerks of municipalities located in the source protection area.	2008-Aug-15	SPCommittee
Give copy of draft proposed ToR to groups created pursuant to Great Lakes Water Quality Agreement & involved in developing/implementing RAPs & LaMPs.	2012-Aug-20	SPCommittee
Provide copy of draft proposed ToR to chairs of SPCs who have been listed in table that describes matters that affect other source protection areas.	2008-May-23	SPCommittee
Provide any unresolved comments from municipalities and bands to the Minister as part of the approval package for the proposed terms of reference.	2008-Oct-14	SPAuthority



<b>Regulatory Process</b>	<b>Completion Date</b>	<b>Done By</b>
Provide any unresolved comments from municipalities and bands to the source protection authority on the draft proposed terms of reference.	2008-Aug-15	SPCommittee
Make provisions to consider Great Lakes Agreements.	2012-Aug-20	SPCommittee
Publish newspaper notice to publicly view draft proposed ToR on Internet and at other locations (as determined by the source protection committee).	2008-May-27	SPCommittee
Receive comments from the 30 day Internet posting from the public, municipalities, bands, and other stakeholders.	2008-Sept-15	SPAuthority
Notice for consultation on draft proposed ToR includes requests for comments submitted within 35 days of notice published in the newspaper.	2008-June-27	SPCommittee

## Appendix: Full Task Descriptions

Subject Area	Task Name	Full Task Description
Assessment Report Preparation	Coordinating and supporting projects for the assessment report	Undertaking administrative support, staffing, management support, and training necessary to provide project coordination for the assessment report components and direct support to the source protection committee.
Assessment Report Preparation	Undertaking communications initiatives for the assessment report	Local area engagement, outreach and creation of communications products that support the assessment report process.
Assessment Report Preparation	Information management for the assessment report preparation	Conducting overall data management, data sharing agreements, standards, mapping, software and maintenance.
Assessment Report Preparation	Undertaking a watershed characterization	Identifying and describing watersheds in the source protection area. May include water quality analysis and peer review for water quality analysis. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Conducting a conceptual water budget	Describing the overall flow system dynamics for each watershed in the source protection area taking into consideration surface water and groundwater features, land cover (e.g. proportion of urban vs. rural uses), human-made structures (e.g. dams, channel diversions, water crossings), and water takings. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Conducting a tier 1 water budget analysis and stress assessment	Conducting a tier 1 water budget analysis, stress assessment, and delineation of significant groundwater recharge areas. May also include the identification of water quantity concerns and an analysis of uncertainty. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Conducting a tier 2 water budget analysis and stress assessment	If determined necessary from a tier 1 water budget analysis and stress assessment, conducting a tier 2 water budget analysis and stress assessment, and refining the delineation of significant groundwater recharge areas. May also include the identification of water quantity concerns and an analysis of uncertainty. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Conducting a tier 3 water budget analysis and water quantity risk assessment	If determined necessary from a tier 2 water budget analysis and stress assessment, conducting a tier 3 water budget analysis and water quantity risk assessment. May include identifying significant, moderate and low water quantity threats. May also include consultation with property owners/residents/stakeholders impacted by a significant drinking water threat scoring and an analysis of uncertainty. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.

<b>Subject Area</b>	<b>Task Name</b>	<b>Full Task Description</b>
Assessment Report Preparation	Delineating and applying vulnerability scores to HVAs	Delineating the location and extent of highly vulnerable aquifers in the source protection area and applying vulnerability scores. An uncertainty analysis may be included in this task. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Identifying issues, inventorying threats and assessing hazards in HVAs	Listing and describing drinking water quality issues, inventorying threats and assessing hazards (including uncertainty analysis) in the highly vulnerable aquifers. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Assessing risks in HVAs	Identifying any significant, moderate, low, and negligible drinking water threats, undertaking an issues evaluation, and analysing uncertainty in highly vulnerable aquifers. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Applying vulnerability scores to SGRAs	Applying vulnerability scores to significant groundwater recharge areas in the source protection area (delineated in the water budget process). Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Identifying issues, inventorying threats and assessing hazards in SGRAs	Listing and describing drinking water quality issues, inventorying threats and assessing hazards (including uncertainty analysis) in the significant groundwater recharge areas. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Assessing risk in SGRAs	Identifying any significant, moderate, low, and negligible drinking water threats, undertaking an issues evaluation, and analysing uncertainty in significant groundwater recharge areas. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Delineating and applying vulnerability scores to WHPAs or IPZs	Delineating the location and extent of the vulnerable area around a drinking water system (wellhead protection areas for drinking water systems using groundwater or intake protection zones for drinking water systems withdrawing from surface water) in the source protection area and applying a vulnerability score. Uncertainty analysis and peer review may be required. In addition, consultation with property owners/residents/stakeholders affected by the delineation and scoring for these two vulnerable areas may be required. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Identifying issues, inventorying threats and assessing hazards in WHPAs or IPZs	Listing and describing drinking water quality issues, inventorying threats and assessing hazards (including uncertainty analysis) in wellhead protection areas and/or intake protection zones. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.

Subject Area	Task Name	Full Task Description
Assessment Report Preparation	Assess risk in WHPAs or IPZs	Identifying any significant, moderate, low, and negligible drinking water threats, undertaking an issues evaluation, and analysing uncertainty in wellhead protection areas or intake protection zones. Consultation may be required with stakeholders impacted by significant drinking water threats scoring. Consultation with adjacent source protection areas or regions may also be required for shared Great Lakes drinking water issues. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation	Consultation on the overall proposed assessment report	Meeting the legislative and regulatory requirements on the consultation and submission process of the proposed assessment report. Details on how to complete this task will be available in the Assessment Report regulation, Director's rules, and guidance when they are developed.
Assessment Report Preparation		If required, add other tasks to complete the assessment report. Describe in detail.
Source Protection Plan Preparation	Coordinating and supporting projects for the source protection plan (SPP)	Undertaking administrative support, staffing, management support, and training necessary to provide project coordination for the source protection plan components and direct support to the source protection committee.
Source Protection Plan Preparation	Undertaking communications initiatives for the source protection plan	Local area engagement, outreach and creation of communications products that support the source protection plan process.
Source Protection Plan Preparation	Information management for source protection plan preparation	Conducting overall data management, data sharing agreements, standards, mapping, software and maintenance.
Source Protection Plan Preparation	Policy development to address drinking water threats (where required and/or permissible in Act/Regs)	Policy development to address drinking water threats (where required and/or permissible in the Act and source protection plan regulation). Detailed requirements and guidance will be provided in the Source Protection Plan regulation and guidance document when they are developed. Recommendations for cost-share programs, incentive programs or other financial instruments that may assist property owners in their compliance with the requirements of Source Protection Plan policies.
Source Protection Plan Preparation	Policy development for monitoring (where required, advisable and/or permissible in Act & Regs)	Policy development for monitoring activities (where required, advisable and/or permissible in the Act and source protection plan regulation), including determining who is responsible for implementing these policies. Detailed requirements and guidance will be provided in the Source Protection Plan regulation and guidance document when they are developed.
Source Protection Plan Preparation	Policy development for Great Lakes elements (where required/permissible in Act & Regs)	Policy development for Great Lakes associated elements (where directed by the Minister and required or permissible in the Act and source protection plan regulation), including monitoring policies to assist in implementing and determining the effectiveness of achieving Great Lake target(s) policies, determining who is responsible for implementing those policies, and determining the need to identify any of these policies as "designated Great Lakes policies". Detailed requirements and guidance will be provided in the Source Protection Plan regulation and guidance document when they are developed.

<b>Subject Area</b>	<b>Task Name</b>	<b>Full Task Description</b>
Source Protection Plan Preparation	Establishing timelines for policy implementation	Establishing timelines for policy implementation after all policies for the SPP are developed, giving consideration to the policies developed, key players affected, capacity for implementation, the assessed risks, and natural, social, and economic considerations, including local community interests/needs. Detailed requirements and guidance will be provided in the Source Protection Plan regulation and guidance document when they are developed.
Source Protection Plan Preparation	Consultation on the overall proposed source protection plan	Consultation and submission process of the overall proposed source protection plan. Details on how to conduct the consultations on the overall proposed source protection plan will be provided in the Source Protection Plan regulation and guidance document when they are developed.
Source Protection Plan Preparation		If required, add other tasks to complete the source protection plan. Describe in detail.