

**May 14, 2010 - Source Protection Committee Meeting**

***Ganaraska Region Assessment Report Update***

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## **Progress/Revisions since last SPC Meeting**

- Drafts of all chapters for Ganaraska Region Assessment Report complete and posted on Knowledge Base web-site
- Assessment Report edited based on SPC and staff comments
- Revised IPZ-1s and IPZ-2s for Lake Ontario revised and incorporated
- First version of all maps prepared and posted on Knowledge Base web-site
- Meeting with MOE for preliminary screening (based on Trent River Assessment Report)
- Consultants currently preparing final versions of background reports

**Minor edits needed on:**

Preface

Introduction

Watershed Characterization

Executive Summary  
**still to be finalized**


threat tallies just received from consultants

**Minor Edits**

## Water Budget

- Conceptual and Tier 1 Water Budget Completed
  - Requires minor edits and formatting
- Tier 2 Water Budget not to be included in the Assessment Report as GUDI status was removed from the Orono wells.
- Tier 2 work ongoing final modeling results to be completed within the next month.

## **Surface Water Systems: Water Quality Risk Assessment**

- Vulnerability analysis complete
  - Issues analysis complete received on May 12, 2010
  - Review Managed Lands/Livestock Density method with MOE
  - Vulnerability Mapping complete and posted on Knowledge Base web-site
  - Managed Lands/Livestock Density maps complete and posted on Knowledge Base web-site
  - Minor edits required on this section.
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## **Groundwater Systems: Water Quality Risk Assessment**

- Add more description re: conditions
- Review Managed Lands/Livestock Density method with MOE
- Managed Lands/Livestock Density maps completed and on Knowledge Based web-site
- Updates of significant threats to be incorporated as final tables were recently received.
- Upon incorporation of final tables from consultants, this section will be reviewed by consultants and edited.

## Updates to GENIVAR significant threat counts

| Threat Category                     | Discussion/Resolution  |   |
|-------------------------------------|--|---|
| <i>Consistency Decision Reached</i> |  | <i>Effect on GENIVAR Enumerations</i>   |
| Application of Pesticide            | <ul style="list-style-type: none"> <li>Do not count residential parcels (because of ban on cosmetic use)</li> </ul>  | Reduce number of Significant Pesticide Threats.   |
| Handling and Storage of Pesticides  | <ul style="list-style-type: none"> <li>Do not include residential homes (ban on cosmetic use).</li> </ul>  | No change to Significant Threat (will reduce threat in databases).                                |
| Handling and Storage of Fuel        | <ul style="list-style-type: none"> <li>Potential for fuel storage heating fuel usage to be included on all parcels unless confirmed. [Option is available to enumerate parcels individually or as a single polygon to represent the zone)</li> </ul>   | To enumerate individual parcels (TCC direction)<br>Some additional fuel storage to be enumerated. |
| Handling and Storage of DNAPL       | <ul style="list-style-type: none"> <li>List of activities involving handling and storage of DNAPL from LUT database was reviewed by consultants and some potential land uses were determined to have low potential to be significant threats and have been removed from consideration</li> </ul> | Some DNAPL threats to be removed (School in Camborne)   |

| Threat  | Drinking Water System    | Number of Threats/Parcels with Sig. Threats |
|---|--------------------------|---|
| The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage. | Camborne                 | 10/10                                       |
| The handling and storage of fuel.   | Camborne                 | 9/9   |
| <b>Subtotal</b>   | <b>Camborne</b>          | <b>19/10</b>                                |
| The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage. | Creighton Heights        | 3/3   |
| The storage of agricultural source material.  | Creighton Heights        | 1/1   |
| The handling and storage of fuel.   | Creighton Heights        | 2/2   |
| The handling and storage of a dense non-aqueous phase liquid.   | Creighton Heights        | 3/3   |
| The use of land as livestock grazing or pasturing land, an outdoor confinement area, or a farm-animal yard.             | Creighton Heights        | 1/1   |
| <b>Subtotal</b>   | <b>Creighton Heights</b> | <b>10/7</b>                                 |
| The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage. | Orono                    | 1/1   |
| The handling and storage of fuel.   | Orono                    | 1/1   |
| <b>Subtotal</b>   | <b>Orono</b>             | <b>2/1</b>                                  |

DRAFT

## **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**

## **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/edit 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



Thank you  
Questions?

