

PRELIMINARY LIST OF TECHNICAL STUDIES – Studies/lead agencies still under discussion pending finalization of guidance modules

Technical Studies ¹	Lead Agency	Status	Eligible Study ²
Guidance Module 1 - Watershed Characterization			
Watershed Characterization Report	Conservation Authorities ⁵	In progress	No
Guidance Module 2 – Incomplete³			
Guidance Module 3 - Groundwater Vulnerability Analysis			
Mapping of Well Head Protection Areas (WHPAs) for existing municipal wells including delineation of 100m, 2y, 5yr and 25 yr capture zones	York Region	Completed	Yes
Delineation of vulnerable areas (i.e. significant recharge areas, etc)⁴	Conservation Authorities	Partially completed	No
Vulnerability assessment and scoring of WHPAs	York Region	In progress	Yes
Vulnerability assessment and scoring of significant recharge areas and highly vulnerable aquifers⁴	Conservation Authorities	Pending	No
Refinement of vulnerability scores according to preferential pathways inventory	York Region	Pending	Yes
Guidance Module 4 – Surface Water Vulnerability Analysis			
Delineation of intake protection zones (IPZs) for surface water based drinking water systems.	LSRCA ⁵	In progress	Yes
Assigning vulnerability scores to IPZs and level of uncertainty in the vulnerability analysis	LSRCA	In progress	Yes
Identification and evaluation of preferential pathways to refine IPZs	LSRCA	Pending	Yes
Guidance Module 5 – Issues Evaluation and Threats Inventory			
Drinking water issues inventory⁴	York Region	In Progress ⁶	Yes
Drinking water threats inventory⁴	York Region	Partially completed ⁷	Yes
Prioritization and evaluation of drinking water issues	York Region	Pending	Yes
Hazard rating of contaminants of concerns associated with a drinking water threat⁴	York Region	Pending	Yes
Constructed Preferential pathways identification and inventory	York Region	Partially Completed ⁷	Yes
Guidance Module 6 – Water Quality Risk Assessment			
Tier 1 Risk Assessment	York Region	Pending	Yes
Tier 2 Risk Assessment (if necessary due to high uncertainty on initial risk assessment)	York Region	Pending	No

Notes:

- (1) Technical studies are based on the latest version of guidance modules published by the MOE on October 18, 2006. Additional studies may be required by updated guidance modules.
- (2) This column identifies which studies are eligible for funding according to MOE's Request For Grant Proposals dated October 18.
- (3) The new version of Guidance Modules released by MOE on October 18, 2008 did not include modules for water budgets, water quantity risk assessment and municipal long term water supply strategies as identified in the April 10 version of guidance documents. Studies required by these modules will be included in the list once the information becomes available.
- (4) These studies are required on sensitive areas other than WHPAs and IPZs (i.e. significant recharge areas and highly vulnerable aquifers). MOE anticipated that this work will be completed by conservation authorities as part of funds provided by MNR
- (5) Conservation Authorities in this table refers to the Toronto Region Conservation Authority (TRCA) and/or Lake Region Conservation Authority (LSRCA).
- (6) The study in progress is a water quality characterization and issues identification for groundwater supply systems. Additional work may be required by updated guidance modules.
- (7) A Regional Contaminant Inventory and Initial Threats Assessment Study was completed using 2001 data. This document needs to be refined to reflect changes in land use and fill data gaps.