



CANADIAN WATER NETWORK  
RÉSEAU CANADIEN DE L'EAU

# Risk Identification for the New Normal

*CWN Blue Cities*

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[www.cwn-rce.ca/reports/#keyword=uncertainty](http://www.cwn-rce.ca/reports/#keyword=uncertainty)

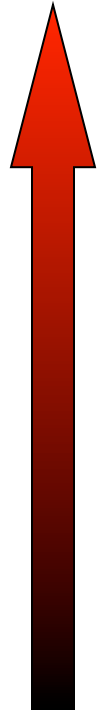
# MANAGING UNCERTAINTY IN THE PROVISION OF SAFE DRINKING WATER

June 2012

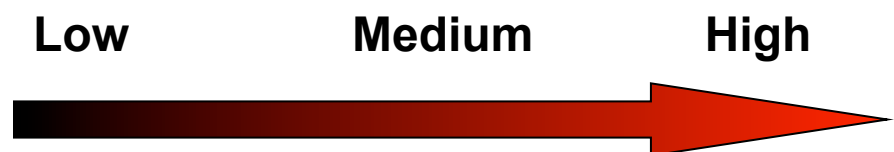
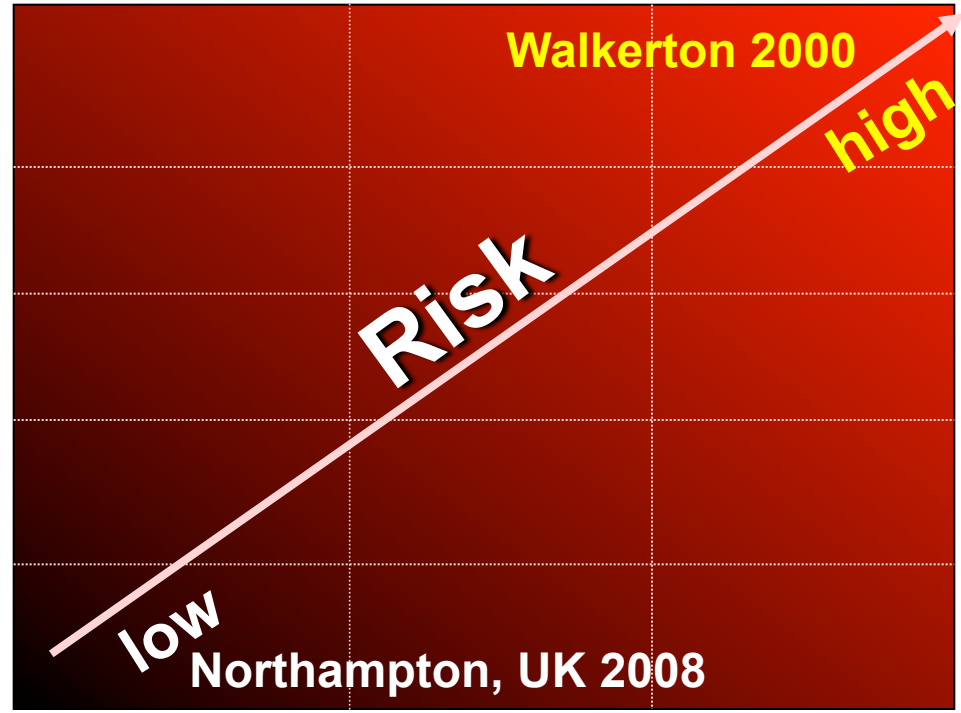
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# Levels of Protection and Capability of Barriers



- No Barriers
- Single Barrier
- Multiple Barriers
- Advanced Multiple Barriers



# Hazard or Level of Challenge



# Risk Management = responsible decision-making under uncertainty 4

- ◆ Effective risk management requires (O'Connor Walkerton Inquiry Pt2, 2002):
  - ❖ being preventive rather than just reactive
  - ❖ distinguishing greater risks from lesser ones and deal first with greater ones
  - ❖ taking time to learn from experience
  - ❖ investing in resources proportional to danger
- ◆ There will always be a balancing act between taking action when none was required vs. failing to act when action is required
- ◆ Responsible decisions can only be assured by maintaining **an unwavering commitment to fully understanding your own system - DWSPs**

