

Water Stress: Protecting our Communities, our Nation, our World

Monday, March 31, 2014

Le stress hydrique : Protégeons nos communautés, notre pays, notre planète

Le lundi 31 mars 2014



Banu Örmeci
Canada Research Chair in Wastewater Treatment Engineering
Associate Professor
Department of Civil and Environmental Engineering
Carleton University



Canada's Capital University

Water, Health and Environment

Water is not abundant

- 97% of the world's water is salty or otherwise undrinkable
- 2% is locked in ice caps and glaciers
- That leaves just 1% for all of humanity's needs

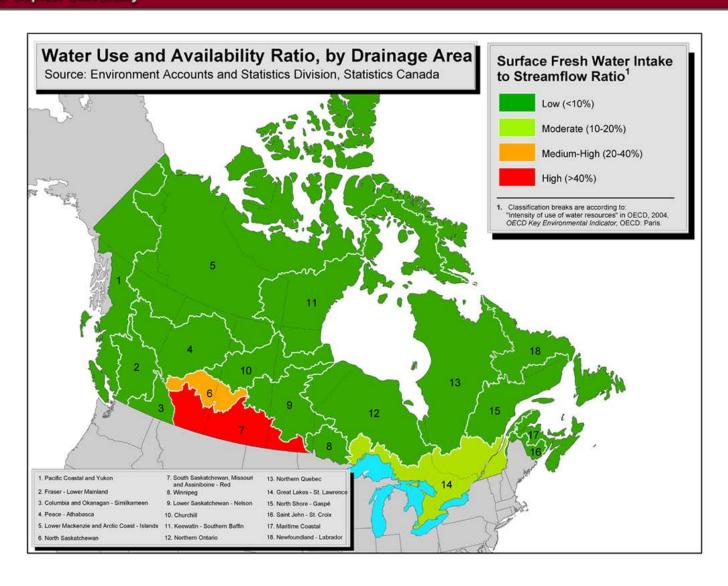


Canada appears to have lots of water

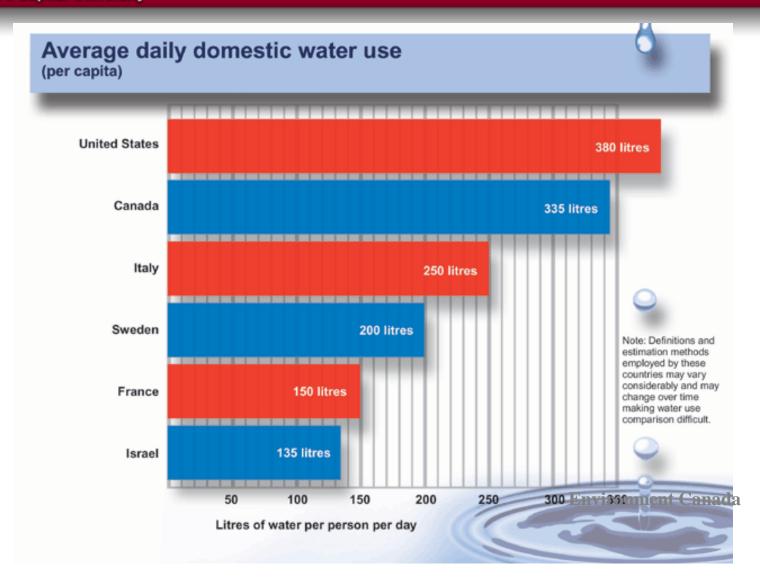
- Existing water does not mean it is renewable water
- Water is not always available where needed
- 60% of Canada's water flows north to arctic or subarctic regions
- Pollution is a growing problem



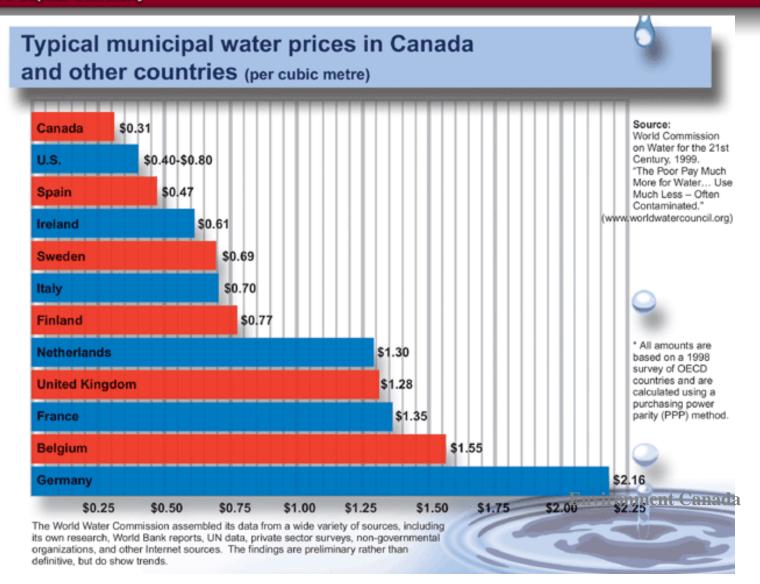














Typical prices for popular beverages (\$/1000 litres)



Beverage	Cost *
Tap water **	1.14
Cola	850.00
Milk	985.00
Bottled water/Mineral water	1 500.00
Beer	2 500.00
Wine	9 000.00
Whiskey, gin	26 700.00

- * All amounts are in 1999 Canadian dollars.
- ** Only tap water includes automatic delivery to the user. This figure also includes the cost of waste treatment.

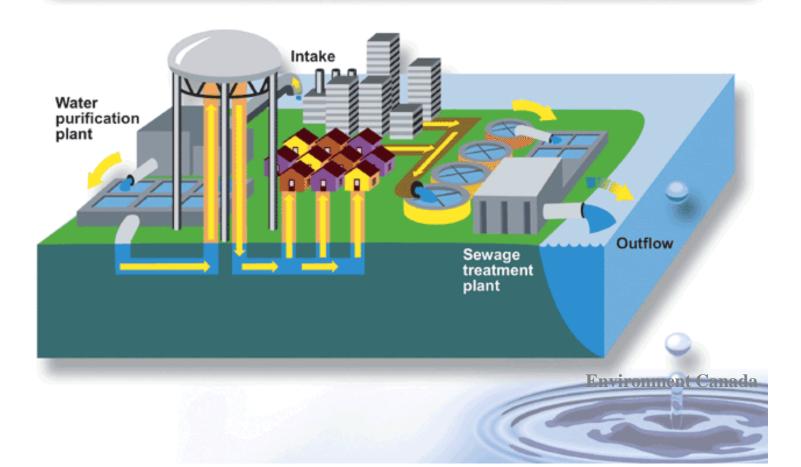




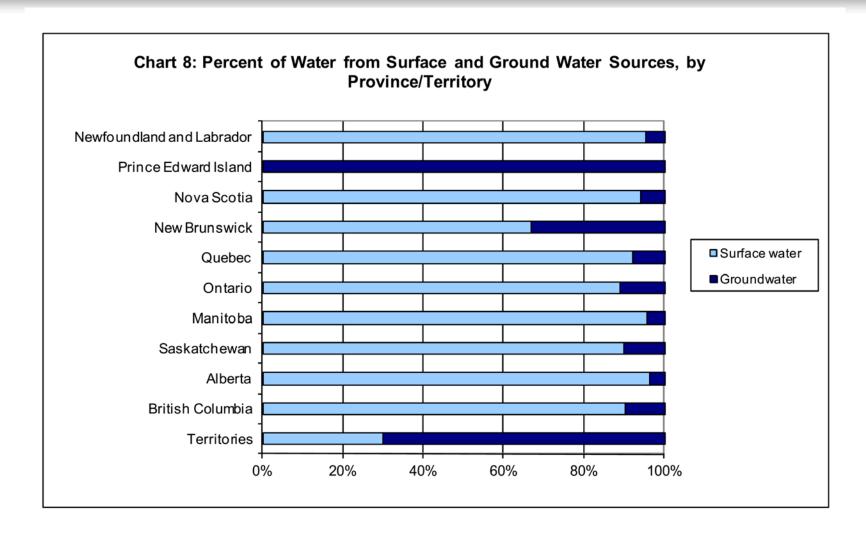




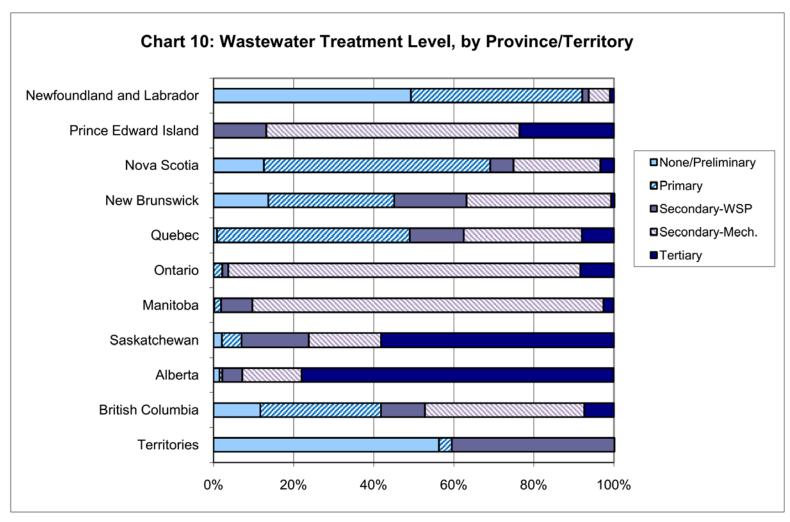
Municipal water supply and sewage treatment













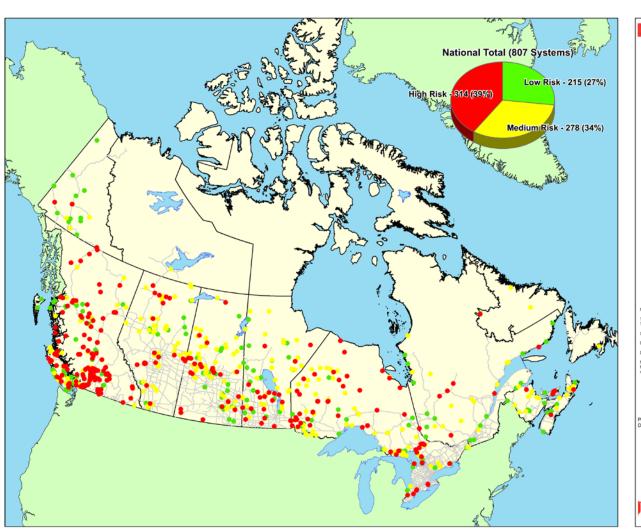


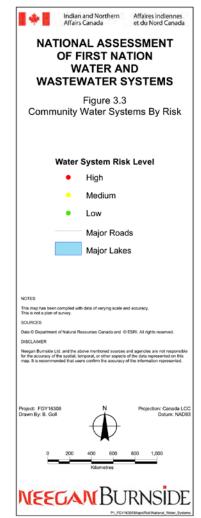




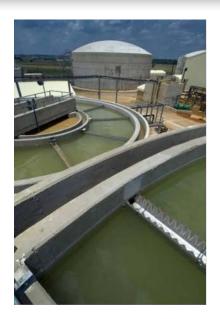
(CP Photo/Jonathan Hayward)

















Thank you.