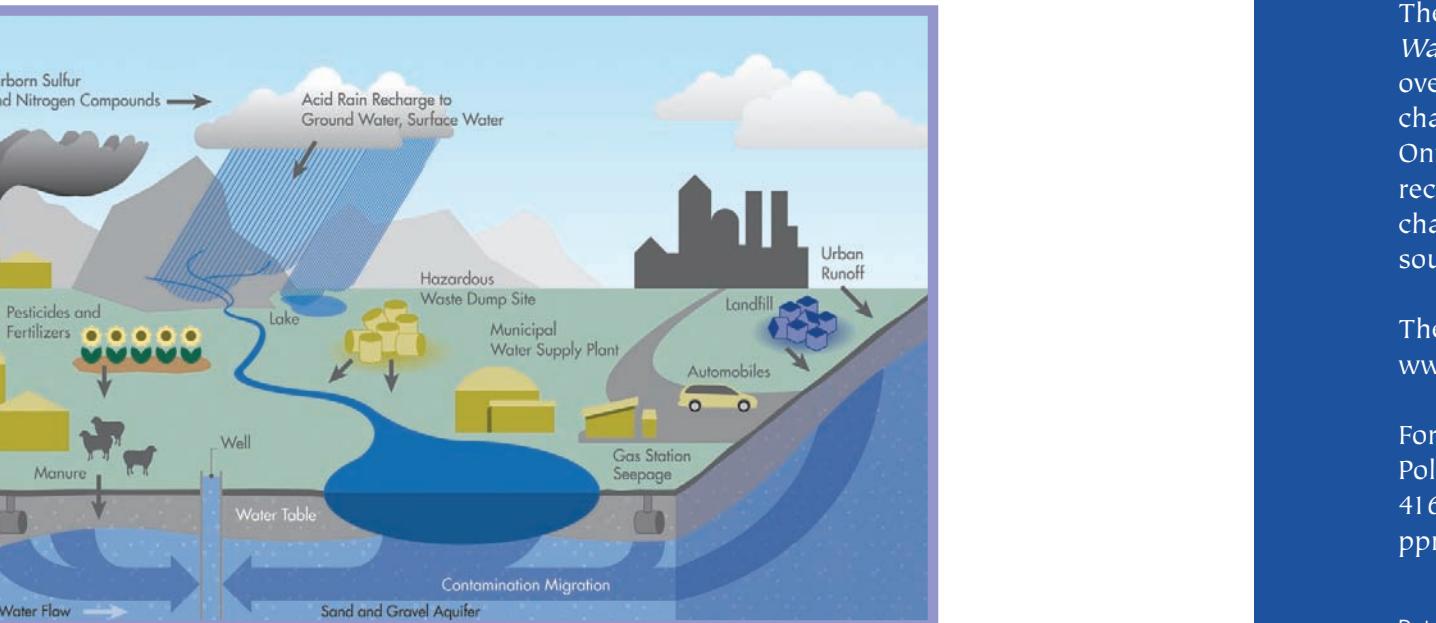


What is Source Protection?

Depending on where you live in Canada, "source water" comes from underground or surface water supplies. Groundwater is water that is found in soil or cracks in underground rock or aquifers. Of all the fresh water in the world, two-thirds is underground, making groundwater one of the world's most valuable resources. Surface water is the water found in oceans, lakes, rivers, streams and ponds. For the majority of Canadians, drinking water comes from surface water sources. In Ontario, about 80 per cent of residents get their drinking water from surface water and 20 per cent from groundwater sources.

Some Human Activities Affecting Source Water



Source: www.groundwater.org/gi/sourcesofgwcontam.html

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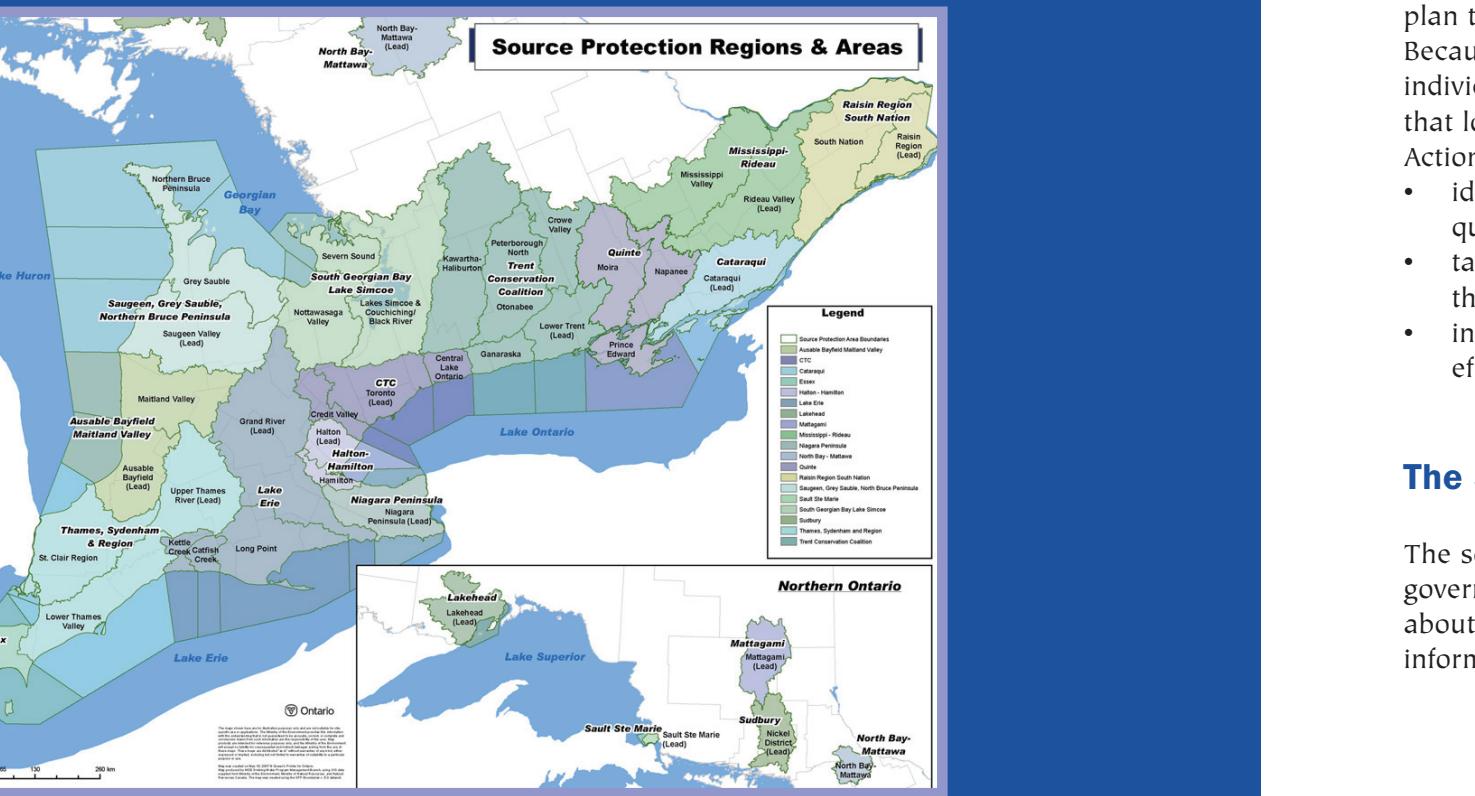
The Clean Water Act Takes a Watershed Approach

cause water often crosses jurisdictional and/political boundaries, the *Clean Water Act* sets a framework for source protection planning on a watershed basis. A watershed is an area of land from which surface runoff, including water, sediments, nutrients and contaminants, drains to a common water body, such as a lake, river, stream, creek or estuary. Watersheds include all land and water-dependent land features, including wetlands, forests, farms, towns and cities. They are of differing shapes and sizes,

The *Clean Water Act* applies primarily to municipal drinking water supplies.

Clean Water Act, source protection Ontario will be established based on watershed boundaries over which 36 authorities have jurisdiction. Some areas will be combined to form larger protection regions.

Police Protection Regions and Areas Across Ontario



about which activities to allow, as well as manage activities in vulnerable areas

ant for municipalities, conservation property owners and the public to formed and get involved in developingenting plans that are fair, reasonable, ective, and that successfully address ter threats.

taken to develop and implement protection plan. They set out the responsibilities of municipalities, protection authorities, source protection committees and others. The terms are prepared by a source protection committee and submitted for approval to the Environment by the source protection committee.

The assessment report is a science developed locally for each source area. It identifies the risks to be managed by source protection plans. It documents areas, including present and future groundwater and surface water wells where large regional aquifers are recharged, and aquifers that are contaminated. It also involves reviewing where much water exists, both at the surface and underground, how it moves, and how it is withdrawn, so that it identifies areas that are or may be water shortages.

source protection plans should be developed and implemented. Local source

committees will be responsible for the terms of reference, the assessment of the source protection plan. In some cases it may take several years to fully develop a source protection plan.

describes how progress will be monitored and evaluated. It will build on work currently underway and will recognize or reinforce existing management practices that help protect sources of water supply and quantity.

Roles and Responsibilities Protection Planning

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The source protection authority is a conservation authority and is composed of representatives from municipal councils. The lead authority will establish the source protection area.

is generally the board, which is appointed by source protection orce protection to the committee

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What You Can Do to Help

Access to safe, clean water is necessary for the health of our families, ecosystems and the economy. Protecting and conserving water is a shared responsibility, and each of us can do our part to take action for clean water.

Protecting Water	Conserving Water
Don't use drains as dumps. Dispose of unused paints, cleaners, pesticides and medical prescriptions at your community household hazardous waste facility.	Ensure showerheads are water efficient, taps have water saving aerators, and toilets are low flow.
Use non-toxic cleaning products, detergents and environmentally friendly soaps, shampoos and personal care products.	Detect water leaks around your home in pipes and taps, and repair them to prevent water loss.
If you have a private well, it is your responsibility to protect and maintain the well. Water wells should be sampled and tested regularly to help ensure that the water is safe for consumption.	Mow your lawn high and water it at night, and only when needed.
Take your car to commercial car washes designed to prevent pollutant runoff from entering storm sewers. Avoid spilling oil or fuel on the ground when filling gas tanks for cars, boats, tractors and lawnmowers.	Install water efficient appliances, such as washing machines and dishwashers. If you can't replace them, then ensure that they only run when completely full.
Ensure your septic system is properly maintained and emptied regularly.	Maintain a natural shoreline at the cottage.
Grow a healthy lawn and garden. Xeriscape (landscape using water-conserving techniques) your lawn and replace pesticide and chemical fertilizer use with natural treatments and practices.	Use a rain barrel to collect water for use in the garden and lawn and disconnect your eaves trough downspout from the sewer.