

# Welcome to Georgia Brochure

Georgia Studies  
August 11, 2014

# Fold your paper into 3's

**Groundwater Pathways**  
It is important when studying the water quality of lakes to gain an understanding of the sites of groundwater entry and the chemistry of mineralization or contaminants in the incoming groundwater.

Illustrated below are the two main pathways for groundwater entry into lakes and rivers:

1. Surface sedimentary structures, such as eskers.
2. Deeper fault and fracture structures within bedrock.



**Mapping Groundwater Issues**  
We are able to identify and transect map the physicochemical differences between lake water and groundwater. Groundwater detection is easiest near the lake bottom, with low dissolved oxygen the best parameter for groundwater seepage identification.

Prepare collection of water samples and subsequent laboratory analysis for minor and trace metals allows the characterization of groundwater contamination or mineralogy.

**AQUAPATH CANADA LTD**  
Mapping WATER QUALITY



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**We specialize in:**

- Evaluate water quality surveys
- Mineral exploration via upwelling groundwater into surface water bodies
- Pollutant plume mapping

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Draw an outline of the state on the cover and label the regions



# Each region will have it's own page

- ▶ Appalachian
- ▶ Blue Ridge
- ▶ Ridge and Valley
- ▶ Piedmont
- ▶ Coastal Plains

## Include in each page

- ▶ Label each page with the Region
- ▶ Size Information - smallest - largest
- ▶ 3 counties in each region
- ▶ Bodies of water in each region
- ▶ 3 crops in each region
- ▶ Weather in each region