

# Ground Source Heating & Cooling

BAKER ASSOCIATES

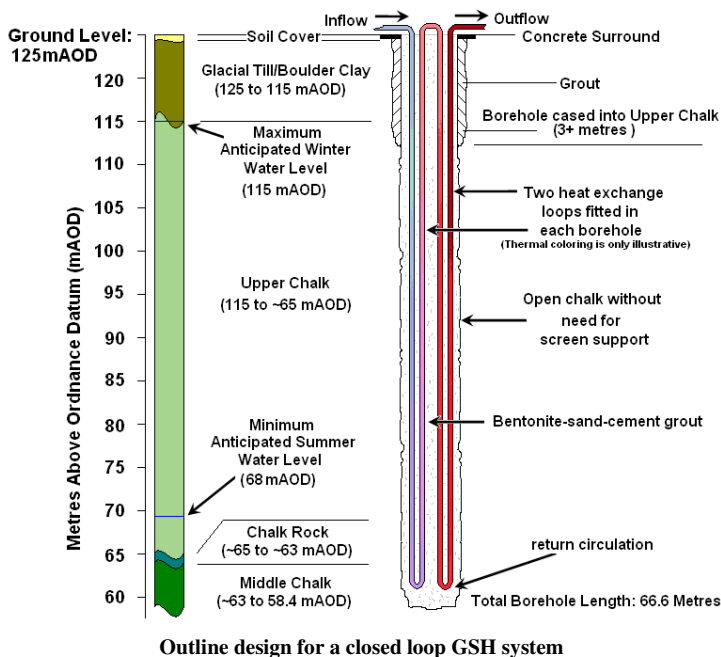
Hydro Solutions

Providing Effective Surface and Groundwater Solutions

Ground Source Heating and Cooling Systems (GSH&C) represent a vast and sustainable source of renewable heating and cooling potential when exploited using appropriately designed and installed systems.

BAHS have developed an in depth practical and technical working knowledge of GSH&C systems having been involved with numerous systems over many years. Combined with the company's core business of drilling and water wells BAHS are expertly placed to provide technical, design and project management services linked with GSH&C.

schools, universities, museums, hotels, nursing homes, warehouses, factories & industrial units.



90 kW closed loop [borehole] GSH system

The following provides a summary of the services offered by Baker Associates Hydro Solutions. We recommend contacting us to discuss client and project specific services.

- GSH&C feasibility studies
- Thermogeological Assessments
- Hydro-Thermogeological Assessments
- Design and Specification Services
- Active borehole length calculations
- Design of multiple closed loop arrays
- Analytical and numerical heat & fluid modelling (2D & 3D computer based)
- Thermal Response Testing (TRT)
- Consultancy Services
- Project Management

BAHS are routinely involved with open and closed loop ground source heating projects ranging from 5kW to schemes in excess of 3.5MW.

Within the GSH&C sector BAHS support manufacturers, installers, drillers and contractors enabling them to deliver industry leading installations. BAHS have a range of services specifically designed for different markets and projects of all sizes. Recent projects include houses,