

## **FUEL OIL SPILL INVESTIGATION AND REMEDIATION**



**In 2006 Concentric was retained to investigate a rural residential fuel oil spill in a potable water setting.**

**Free-phase petroleum impacts had been identified in the upper bedrock aquifer.**

**The site was deemed sensitive by Provincial standards, being located within 20 metres of a watercourse and having less than 2 metres of overburden.**

**Concentric developed a subsurface investigation strategy to effectively identify the zones of soil and groundwater impacts and subsequently implement a remedial strategy.**

**Given the sensitivity of the site and possible nearby receptors, i.e. drinking water wells and the adjacent river, time was of the essence.**

**Remedial work involved the removal of all impacted soil and weathered rock around and under the residence, and instatement of a groundwater capture and treatment program involving a Granular Activated Carbon system.**

**The investigation and implementation phases were completed successfully and within an accelerated timeline, despite the challenging site conditions.**