

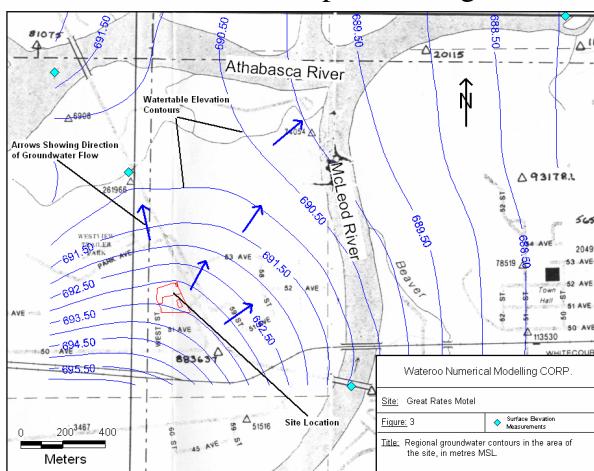
WATERLOO NUMERICAL MODELLING CORP.

Phase II Environmental Assessment

Whitecourt, Alberta (Great Rates Motel)

Overview

As part of the requirement of a property sale, a Phase II Environmental Assessment was completed at a property in Whitecourt, Alberta. There was speculation of subsurface hydrocarbon presence related to documented hydrocarbon releases, which occurred at an adjacent property (a gasoline service station). On the property, a motel operated until 1997 at which time the motel was demolished. There are no records of hydrocarbon releases from operations at the motel. Groundwater and soil samples were collected to determine the level of action required to meet provincial environmental protection guidelines.



Site Investigations

A detailed site investigation was conducted on July 22, 1999 involving collection of subsurface materials and the visual inspection of conditions at the site and adjoining property. Nine boreholes were drilled at, and surrounding, the location where the hydrocarbons were reported to have migrated on-site. Groundwater was encountered at approximately 5 feet below ground surface. The subsurface of the site consists of mostly poorly-sorted gravel (commonly known as "pitrun") with particle sizes ranging from clay to cobble. Water level data collected as part of this study was used to determine that groundwater flow directions at the site coincide with regional groundwater flow directions.

