

Detailed Compositional Analysis of Light hydrocarbons (C1-C4), Trace Elements and Soil Salts in Western Newfoundland.

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- A comprehensive regional geochemical soil survey in the Bay St. George and Deer Lake Basins delineating potential reservoirs at depth.
- Case studies indicate that drilling success rates improve from about 20% to greater than 80% if drilling is done in conjunction with a geochemical soil survey (Jones and LeBlanc 2004 and Schumacher D., 2010).

Soil samples will be analyzed by a variety of methods GC-MS (light hydrocarbons), ICP-MS (trace elements) and MLA-SEM (soil salts e.g., iodine, gypsum, chlorides etc).

Approximately 300-400 samples will be collected over a series of transects perpendicular to the strike of the basins. The approximate sample spacing will be 1 km and 10km between transects.

Sampling will be carried out in the summer of 2014. The analytical work will take place during winter 2014/2015.