



File: 26250-20/10257  
Site: 10257

October 10, 2014

Mr. Nicholas McGregor  
Imperial Oil Limited  
405 – 5945 Kathleen Avenue  
Burnaby, BC V4H 5J7

Dear Mr. McGregor:

**Re: Background Groundwater Assessment, 1097 South Trans-Canada Highway,  
Cache Creek, British Columbia, Location No. 88004690/SAP No. JF.00596**

The ministry has reviewed the technical report entitled *Background Groundwater Assessment, 1097 South Trans-Canada Highway, Cache Creek, British Columbia, Location No. 88004690/SAP No. JF.00596*, dated May 22, 2014 and prepared by Parsons Canada Ltd. (Parsons). The Background Report describes groundwater investigations and statistical calculations undertaken to establish a local background selenium concentration in groundwater for the property at 1097 South Trans-Canada Highway, Cache Creek, BC (the Site). The focus of the review was to determine if the submission satisfies the requirements set out in the ministry's protocol entitled *Protocol 9 for Contaminated Sites – Determining Background Groundwater Quality* (Protocol 9).

The Site description is as follows:

1097 South Trans-Canada Highway, Cache Creek, BC  
Lots 1 and 2, District Lot 104,  
Group 2, Kamloops Division of Yale  
Land District, District Plan KAP 44198  
PID: 016-827-562, 016-827-571

A Site location plan is attached in Figure 1 for reference.

Based on the review of the Background Report, the ministry has concluded that the submission meets the requirements specified in Protocol 9. We accept the report's conclusion that the representative local background selenium concentration in groundwater within the native gravelly sand is 0.041 mg/L calculated from all monitoring wells on the Site with selenium data. The ministry acknowledges that the selenium concentration in monitoring well BH24 slightly

exceeds the above-calculated local background concentration. The exceedance noted at this well is the result of the Protocol 9 requirement to calculate local background concentrations based on the 95<sup>th</sup> percentile of sampling results (rather than maximums).

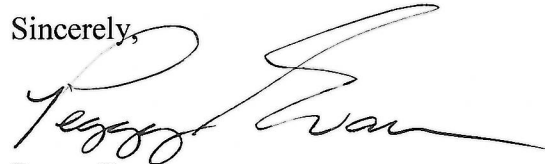
Please be aware that this approval does not allow unrestricted water uses at the Site; it establishes a local background selenium concentration by which groundwater contamination at the Site will be determined.

Reports submitted in support of this application were reviewed for purposes of establishing a background groundwater selenium concentration at the Site. The ministry has not reviewed information related to the assessment of potential site contamination. This letter, therefore, provides no opinion regarding the adequacy or completeness of investigations conducted to ascertain and address site contamination issues.

This approval is based on the most recent information available to the ministry regarding the above-referenced site. The ministry, however, makes no representation or warranty as to the accuracy or completeness of this information.

Please do not hesitate to contact Peggy Evans at 250-356-8386 or Annette Mortensen at 250-387-6797 if you require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Peggy Evans', written over a light blue circular stamp.

Peggy Evans

For Director, *Environmental Management Act*

cc: Jocelyne Bright, Parsons Canada Ltd, Langley  
Annette Mortensen, Ministry of Environment, Victoria  
Lucy Hewlett, Ministry of Environment, Victoria

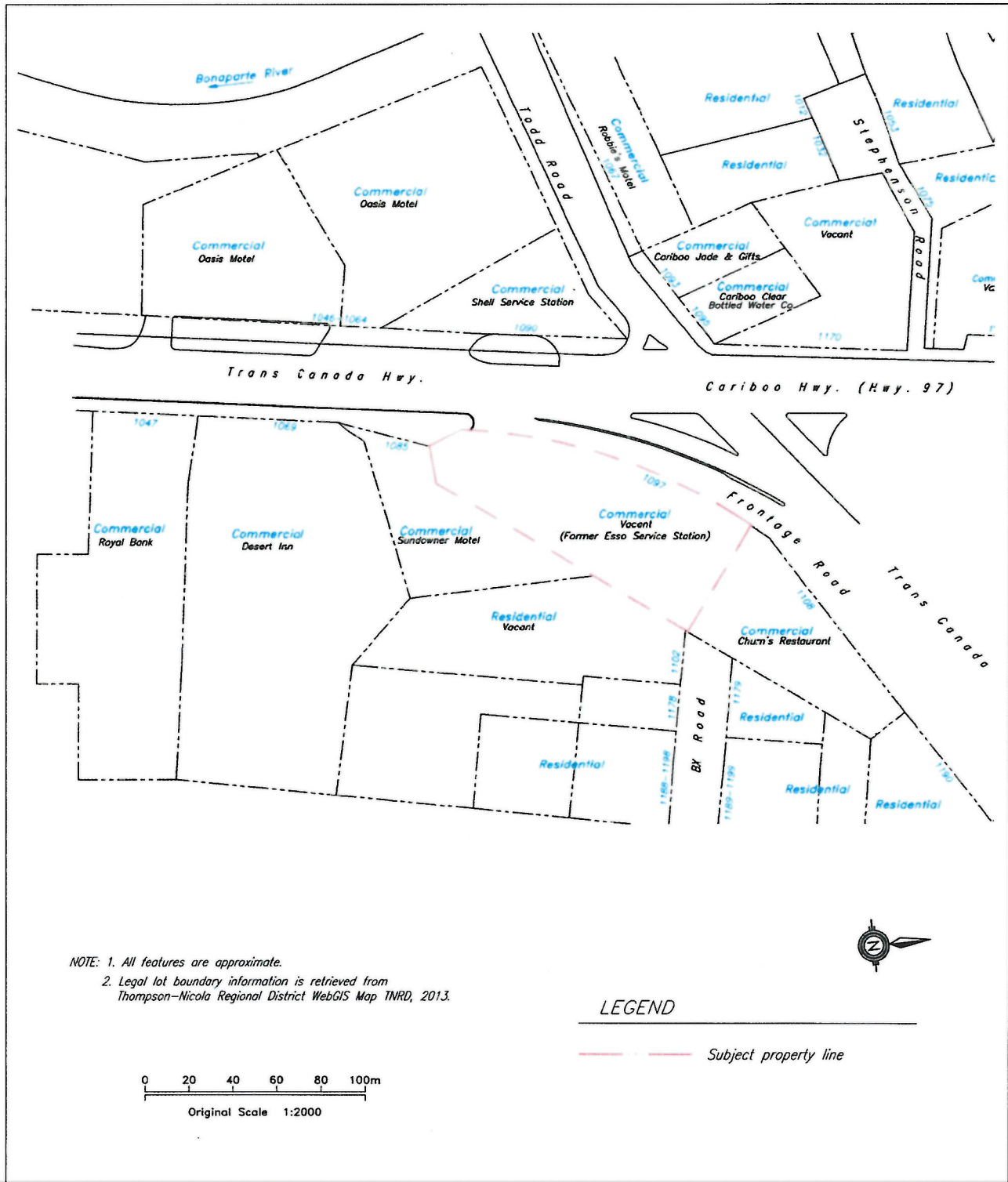


Figure 1. Location of 1097 South Trans-canada Highway, Cache Creek, British Columbia.

