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**REPORT ON**

**AGRICULTURE AND AGRI-FOOD CANADA  
PHASE I AND PHASE II ENVIRONMENTAL  
SITE ASSESSMENT OF  
6947 LOUGHEED HIGHWAY, AGASSIZ  
510 CLEARBROOK ROAD, ABBOTSFORD  
31790 WALMSLEY AVENUE, ABBOTSFORD  
BRITISH COLUMBIA**

Submitted to:  
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## EXECUTIVE SUMMARY

Golder Associates Ltd. (Golder) has prepared this report for Agriculture and Agri-Food Canada (AAFC). Golder completed a Phase I and Phase II Environmental Site Assessment (ESA) of the AAFC Pacific Agri-Food Research Centre – Agassiz Site at 6947 Lougheed Highway, Agassiz (Figure 1), and satellite research farms at 510 Clearbrook Road, Abbotsford (Figure 2) and 31790 Walmsley Avenue, Abbotsford (Figure 2), British Columbia.

The primary objective of the Phase I ESA was to document the condition of the Agassiz Site and Research Farms (Clearbrook and Walmsley) based on available sources of information and observations of surface conditions during the Site reconnaissance. The objective was to identify former and current operations or practices of the past and present occupants, lessors, users, and owners that may represent potential environmental concerns. The purpose of the Phase II ESA was to assess areas of potential environmental concern (APECs) identified as a result of the Phase I ESA.

The Agassiz Site is located at the north and north-eastern end of the town of Agassiz, BC. Farm 1 includes the central building complex, consisting of office buildings, laboratories, greenhouses, screenhouses, various barns, fields and research plots. Farm 2 consists of a former paint storage shed, former incinerator, former sewage treatment equipment, barns, residential housing, fields and research plots.

The Clearbrook Research Farm (“Clearbrook RF”) is located at the south end of the City of Abbotsford, BC. Clearbrook RF includes a residence, barn, fuel storage and research plots.

The Walmsley Avenue Research Farm (“Walmsley RF”) is located at the south end of the City of Abbotsford, B.C. and to the east of the Abbotsford Airport. Walmsley RF consists of an office building, shed, paint, pesticide and fertilizer storage, pot storage, fuel storage, pumphouse, weather station and screenhouses.

### Phase I ESA Results

Based on the information obtained during the Phase I ESA, the following Areas of Potential Environmental Concern (APECs) were identified.

- **APEC 1 – Building 37**

Documentation indicates that Building 37 (Farm 1) was used for the storage of pesticides and the preparation (including weighing and measuring of herbicides, fungicides and insecticides) of chemicals for field plot and greenhouse experiments. A previous investigation undertaken in the vicinity of the building was limited and did not assess for the presence of pesticides.

- **APEC 2 – Former Landfill (near Building 54)**

Documentation indicated that materials disposed of in the former landfill located in the vicinity of Building 54 (Farm 1) included construction waste and domestic refuse prior to the 1960s. It is possible that construction waste such as paint and solvent may have been disposed of in this area. No investigations have previously been conducted for this APEC.

- **APEC 3 – Groundwater beneath Farm 1**

Based on previous assessments undertaken across the site and review of historical documentation, pesticides and fertilizers have been used to varying extents across the site. Previous investigations have indicated the presence of pesticides and nutrients (on occasion at elevated concentrations) in the groundwater.

- **APEC 4 – Sewage Treatment Equipment**

A sewage treatment facility was present on Farm 2 that was considered likely to have been associated with the past use of the area for correctional services. Based on its location and the former use of the area it is assumed that it was used for domestic (human) purposes only.

#### Management Issues

Based on the site reconnaissance and review of available documentation the following “management issues” were identified:

- **Storage Tanks**

There is limited available information on the six heating oil USTs removed in 1986. If excavation work is completed on the Site, a contingency plan for handling of potential odorous and/or stained soils should be developed.

- **Waste Pesticide AST**

Water was observed in the secondary containment beneath the waste pesticide AST. A management plan should be implemented to prevent the accumulation of rain water in the secondary containment.

- **Chemical Storage**

Information on chemicals stored and discharged prior to 1971 is limited. If excavation work is completed on the Site, a contingency plan for handling of potential odorous and/or stained soils should be developed.

- **Potential Presence of Lead-Based Paints and Asbestos-Containing Materials.**

Based on the age of many of the site buildings located and a previous assessment, lead-based paints and asbestos-containing material are present in certain buildings. If existing buildings are to be demolished or refurbished in the future, a specific hazardous building materials survey should be undertaken to assess the potential risk associated with these materials.

- **Incinerator**

An incinerator was present on Farm 2, likely associated with the past use of the area for correctional services. If ash is observed during future works at the site, handling and disposal should consider the potential for the presence of metals in the waste.

### **Clearbrook Research Farm**

No APECs were identified at the Clearbrook Research Farm during this assessment.

Based on the site reconnaissance and review of available documentation the following “management issue” was identified:

- **Potential Presence of Lead-Based Paints and Asbestos-Containing Materials**

Based on the age of the buildings located on the site lead-based paints and asbestos-containing materials may be present. If renovations or demolitions are planned, a hazardous building material survey should be completed.

### **Walmsley Research Farm**

The APECs identified at the Walmsley Research Farm based on the review of available documentation and the site reconnaissance included:

- **APEC 5 – Equipment Storage Shed**

The dirt floor of the equipment shed was observed to have surficial hydrocarbon-like staining. No previous investigations are known to have been undertaken in this area.

- **APEC 6 – Pesticide, Fertilizer and Paint Storage**

Staining was observed on the floor of the pesticide, fertilizer and paint storage shed. No previous investigations are known to have been undertaken in this area.

## **Phase II ESA Results**

A Phase II ESA was conducted at the site to assess the potential for subsurface contamination due to each of the Areas of Potential Environmental Concern (APECs) identified, and to assess the potential contaminants of concern (PCOCs). The Phase II ESA consisted of locating and identifying underground utilities, borehole drilling and monitoring well installation, sampling existing and new groundwater monitoring wells, soil investigation and the chemical analyses of selected soil and groundwater samples.

Based on the assessment undertaken the following summarises the findings:

### **APEC 1 – Building 37 (Agassiz Site Farm 1)**

The assessment of groundwater in the vicinity of Building 37 was not undertaken as the wells were either destroyed or inaccessible. No other wells were identified in the vicinity that could be sampled and analysed as an alternative. Further investigation has not been recommended based on the groundwater quality observed during the assessment of the other three APECs across the site.

### **APEC 2 – Former Landfill (near Building 54) (Agassiz Site Farm 1)**

The chemical analysis undertaken on the three groundwater samples collected from the wells in the vicinity of Building 53 (former landfill area) indicated that, for the analytes tested, the concentrations were below the applicable guidelines and standards, except for the concentration of iron detected in one of the monitoring wells and the concentration of manganese detected in all three monitoring wells exceeded the CCME DW criteria (based on aesthetics). The concentration observed during this assessment was compared to the investigation undertaken in 1994. The results indicate that the concentrations observed are comparable and considered likely to represent natural background concentrations. The soil observations during the investigation indicate that either the landfill was not located in this area or the material landfilled was granular fill.

### **APEC 3 – Use of Pesticides and Fertilizers Across the Site (Agassiz Site)**

The chemical analysis undertaken on the six samples collected from four monitoring wells and two drinking wells located on the site indicated that, for the analytes tested the concentrations were below the applicable guidelines and standards, except for the concentration of manganese. The concentration of manganese in both of the drinking water wells exceeded the CCME DW criteria, (based on aesthetics). The concentrations observed during this assessment were compared to the 1994 investigations. The results indicated that the concentrations observed are comparable and considered likely to represent natural background concentrations. Therefore, no further investigations are recommended for this APEC.

### **APEC 4 – Sewage Treatment Facility (Agassiz Site Farm 2)**

The chemical analysis undertaken on the three samples collected from the sludge stockpile indicated that the concentration of molybdenum (5.7 µg/g) slightly exceeded the CCME and CSR AL standard of 5 µg/g. However the concentration was below the CCME Residential/Parkland guideline and CSR Residential and Urban Park standard of 10 µg/g. The slight exceedence observed indicates that the soil may not be suitable for agricultural purposes but meets the residential standards.

### **APEC 5 – Equipment Shed (Walmsley RF)**

The chemical analysis undertaken on the two samples collected from the surface soils within the equipment shed indicated that the concentration of cadmium exceeded the CCME and CSR AL standard in both samples. The concentration of petroleum hydrocarbons (Fraction 3) in one of the samples (Sa1) exceeded the CWS-PHC standard. The vertical and lateral extent of this impact was not determined during this assessment.

The concentrations of PCOCs were compared to guidelines and standards relevant to agriculture use, based on use of the site for agricultural research. However, the Walmsley RF is currently zoned industrial. If the site was returned to industrial use, the concentrations of parameters of concern would be below the IL standard. To assess contingent liability if the area was required to be delineated or remediated, the estimated volume of contaminated soil is considered to be shallow and in the range of five to ten cubic metres.

### APEC 6 – Pesticide, Fertilizer and Paint Shed (Walmsley RF)

The chemical analysis of the water from the well located at the Walmsley RF indicated that, for the analytes tested, the concentrations were below the applicable guidelines and criteria, except for the concentration of manganese. The concentration of manganese detected exceeded the CCME DW criteria (based on aesthetics). Given that the criteria is based on aesthetic objectives rather than toxicity objectives we recommend that no further investigation be undertaken for this APEC.

Based on the Phase II ESA, the NCSCS classification for the APECs at the Agassiz Site and Walmsley Research Farm were calculated as follows:

APEC	Score	Category
APEC 4 – Sewage Treatment Equipment	38.3	Class 3
APEC 5 – Equipment Shed	24.7	Class N

In addition to the NCSCS classification and scoring for each of the APECs identified during the Phase I and Phase II ESA for the Agassiz Site and the Walmsley Research Farm the NCSCS classification and scoring for previously assessed areas at the Agassiz Site were reviewed. Only previously assessed areas that had a NCSCS above Class N were reclassified. The review of the NCSCS classification and scoring are summarised below.

Area	Class/Score	Date	Class/Score	Date	Class/Score	Date
1-A1 (metal disposal)	3 / 40	1991	3 / 38	1994	N / 30.2	2004
1-A2 (Landfill)	2 / 50	1991	N / 29	1994		
1-A3 (Landfill – APEC 2)	3 / 42	1991			N / 30.2	2004
1-C1 (Compost)	3 / 49.9	1991	N / 37	1994		
1-C2 (Burnables)	3 / 46.6	1991			N / 26.2	2004
1-C3 (Compost)	3 / 46.9	1991			N / 21.2	2004
1-C4 (Manure Storage)	3 / 46.9	1991	N / 34	1994		
1-C5 (Manure Storage)	3 / 48	1991			N / 21.2	2004
1-C6 (Manure Storage)	3 / 48.8	1991			N / 21.2	2004
1-C7 (Manure Storage)	3 / 48.8	1991	N / 37	1994		
1-C8 (Manure Storage)	3 / 48.8	1991			N / 22.2	2004
1-C9 (Compost)	3 / 47.7	1991			N / 26.2	2004
1-C10 (Compost)	3 / 46.7	1991			N / 26.2	2004

Area	Class/Score	Date	Class/Score	Date	Class/Score	Date
1-C11 (Compost)	3 / 47.9	1991			N / 26.2	2004
1-C12 (Compost)	3 / 48.9	1991	N / 37	1994		
1-C13 (Compost)	3 / 47.9	1991	3 / 41	1994	N / 26.2	2004
1-C14 (Agronomy Lab.)	3 / 46.9	1991	N / 32	1994		
1-C15 (Header House)			N / 34	1994		
1-C16 (Poultry Lab.)			N / 35	1994		
1-C17 (Postharvest Lab.)			N / 34	1994		
1-C18 (Entomology Lab.)			N / 29	1994		
1-C19 (Pesticide Building)			3 / 40	1994	N / 22.2	2004

Based on the assessment undertaken at the Agassiz Research Station and Walmsley Research Farm no further assessment of remediation of APEC 1, APEC 2, APEC 3 or APEC 6 is required at this time.

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## **1.0 INTRODUCTION**

### **1.1 Background**

Golder Associates Ltd. (Golder) has prepared this report for Agriculture and Agri-Food Canada (AAFC). Golder completed a Phase I and Phase II Environmental Site Assessment (ESA) of the AAFC Pacific Agri-Food Research Centre – Agassiz Site at 6947 Lougheed Highway, Agassiz (Figure 1), and satellite research farms at 510 Clearbrook Road, Abbotsford (Figure 2) and 31790 Walmsley Avenue, Abbotsford (Figure 2), British Columbia.

The purpose of the work was to assess whether the past or present activities undertaken at the Agassiz Site and the two research farms may have significant potential to impair the soil and groundwater conditions, possibly resulting in the need for mitigative measures.

### **1.2 Study Objectives**

The primary objective of this Phase I ESA was to document the condition of each of the Research Stations at the time of the reconnaissance, based on available sources of information and observations of surface conditions during the reconnaissance at the Agassiz Site, Clearbrook Research Farm and Walmsley Research Farm. The objective was to identify former and current operations or practices of the past and present occupants, lessors, users, and owners that may represent potential environmental concerns. The assessment focused on identifying potential environmental concerns relating to soil and groundwater contamination that may have occurred on the Agassiz Site, Clearbrook Research Farm and Walmsley Research Farm or on the adjacent properties.

The Phase I ESA followed Golder's "*Revised Work Plan for Phase I Environmental Site Assessment for AAFC Research Stations At Agassiz, Kamloops and Summerland, BC*", dated September 29, 2003.

The purpose of the Phase II ESA was to assess areas of potential environmental concern (APECs) identified as a result of the Phase I ESA. Subsurface investigations conducted during the Phase II ESA aided in characterizing the nature and extent of potential subsurface contamination at the Agassiz Site, Clearbrook RF and Walmsley RF. The Phase II ESA followed Golder's January 13, 2004 facsimile entitled "*Summary of Agassiz and Abbotsford Research Stations Areas of Potential Environmental Concern and Recommended Scope of Work*".

## 2.0 SITE LOCATION

### 2.1 Agassiz Research Station

The Agassiz Site is located at the north and north-eastern end of the town of Agassiz, BC (Figure 1). Farm 1 includes the central building complex, consisting of office buildings, laboratories, greenhouses, screenhouses, various barns, fields and research plots (Figure 3). Farm 2 consists of a former paint storage shed, former incinerator, former sewage treatment equipment, barns, residential housing, fields and research plots (Figure 4).

Based on historical documentation provided by Mr. Chris Keith of AAFC, this facility is covered by the Certificate of Titles as summarised in Table 1 and presented in Appendix I. The geographical coordinates for the Agassiz Site are Latitude 49°13'58.57" N and Longitude 121°45'59.59" W.

**Table 1 - Summary of Certificate of Titles for the Agassiz Site**

<b>Certificate Number</b>	<b>Volume</b>	<b>Folio</b>	<b>Date</b>
D2748			May 1889
148134E	-	148143E	January 1942
329741E	1293	-	June 1954
377655E	1483	-	November 1956
377656E	1483	-	November 1956
377657E	1483	-	November 1956
3843A	12	228	March 1969
M116131E	-	-	December 1976

The Agassiz Site consists of a 308 hectare land parcel, within Agricultural Land Reserve lands.

### 2.2 Clearbrook Research Farm

The Clearbrook Research Farm ("Clearbrook RF") is located at the south end of the City of Abbotsford, BC (Figure 2). Clearbrook RF includes a residence, barn, fuel storage and research plots (Figure 5).

Based on historical documentation provided by Mr. Chris Keith of AAFC, this facility is covered by the Certificate of Title 182475E Volume 188696E, included in Appendix I. The geographical coordinates for the Clearbrook RF are Latitude 49°0'45.86" N and Longitude 122°20'15.42" W

The Clearbrook Research Farm consists of a 7.5 hectare land parcel and is zoned agricultural.

### **2.3 Walmsley Research Farm**

The Walmsley Avenue Research Farm ("Walmsley RF") is located at the south end of the City of Abbotsford, B.C. and to the east of the Abbotsford Airport (Figure 2). Walmsley RF consists of an office building, shed, paint, pesticide and fertilizer storage, pot storage, fuel storage, pumphouse, weather station and screenhouses (Figure 6).

Based on historical documentation provided by Mr. Chris Keith of AAFC, this facility has been leased from the Minister of Transport (Appendix I). The original land lease covered an area of 4.05 hectares, which was later increased to 8.52 hectares in 1975. The geographical coordinates for the Walmsley RF are Latitude 49°01'25.76" N and longitude 122°20'46.77" W

The Walmsley Research Farm currently consists of a 2 hectare land parcel within an area zoned as industrial.

### **3.0 GEOGRAPHIC AND GEOLOGIC SETTING**

The Agassiz Site is located on a broad alluvial plain adjacent to the Fraser River contiguous with Fraser River sediments which extends northward to the Village of Harrison Hot Springs, southwest beyond Chilliwack, and eastward over Sea Bird Island. Salish sediments consisting of channel and overbank deposits and loam overlie the northwest corner of the Agassiz Site (Geological Survey of Canada, Map 1487A, 1:50,000, 1980).

The Surficial Geology of Mission Map 1485A (1:50,000) indicates that the Abbotsford Research Farms are underlain by Sumas Drifts. The Sumas Drift generally consists of recessional channel and floodplain deposits laid down by proglacial streams; gravel and sand up to 40 metres thick, normal range thickness 5 to 25 metres.

The climate in the Agassiz and Abbotsford area consists of warm, dry summers and cool, moist winters. Golder reviewed available data from the nearest long-term reporting weather station in each area which was the Agassiz Site and Abbotsford Airport. The Agassiz Site has been reporting climate data since 1889 and the Abbotsford Airport since 1944. Each site is monitored by Environment Canada.

The Agassiz Site weather station indicated an average daily mean temperature of 10.5 °C, with a daily mean temperature ranging from 2.5 °C in January to 18.40 °C in August. The total annual precipitation for the Agassiz Site is approximately 1754.7 mm (Environment Canada, Canadian Climate Normals 1971-2000).

The Abbotsford Airport weather station indicated an average daily mean temperature of 10°C, with a daily mean temperature ranging from 2.60°C in January to 17.70°C in August. The total annual precipitation for the Research Farms is approximately 1573.2 mm (Environment Canada, Canadian Climate Normals 1971-2000).

## **4.0 PHASE I ENVIRONMENTAL SITE ASSESSMENT**

### **4.1 Scope of Work**

As requested by AAFC the scope of work for this Phase I ESA generally followed the terms of reference as provided by Public Works and Government Services Canada (PWGSC) dated August 2003 and was completed as three tasks. Task One included a records review, site history review, and information evaluation. Task Two included a site reconnaissance. Task Three included reporting of the information collected as part of Tasks One and Two, and recommendations for further investigations and/or remediation (if required). The scope of work also included the completion of the National Classification System for Contaminated Sites (NCSCS) for the Agassiz Site, Clearbrook RF and Walmsley RF, and an indicative estimate of liability or contingency as outlined in the Terms of Reference.

The Phase I ESA was conducted in general accordance with the standards outlined in CSA Z768-01 (November 2001). The scope of the Phase I ESA is also generally consistent with the Stage I Preliminary Site Investigation requirements of the British Columbia Ministry of Water, Land and Air Protection (MWLAP) under the Contaminated Sites Regulation (CSR) provisions of the Waste Management Act.

The scope of work of the Phase I ESA is sufficient only to identify potential environmental issues that may be observed from visual examination of surface features and operating practices, and from available documented information sources. No water, soil, sediment, air, liquid, gas, product or chemical sampling and testing was conducted on or in the vicinity of the Agassiz Site, Clearbrook RF and Walmsley RF during this investigation. Opportunistic samples were not collected. The Phase I ESA included cursory observations of the neighbouring land use, but did not constitute a rigorous evaluation of the adjacent properties.

### **4.2 Information Review**

The information sources used and reviewed (where available) in completing the Phase I ESA included:

- Legal land titles and title history;
- Historical aerial photographs;
- Water well records;
- Surficial geology, and topography maps and references;

- Pertinent documents supplied by AAFC, or others;
- Regulatory agency data from agencies including Environment Canada and MWLAP;
- Fire insurance information from Insurers' Advisory Organization (IAO);
- Previous reports; and
- Interviews with persons familiar with the sites.

#### **4.3 Previous Reports Reviewed**

As part of this assessment the following previous reports were examined:

- Agriculture Canada (1991) "*Evaluation of Waste Disposal Sites in British Columbia*".
- Golder Associates Ltd. (1994) "*Environmental Site Assessment, Agricultural Research Station Agassiz, BC (Vol. 1 & 2)*".
- Agra Earth & Environmental (1996) "*Phase 1 and Limited Phase 2 Environmental Site Assessment, Buildings Proposed for Leasing, Pacific Agricultural Research Centre, 6947 Lougheed Highway, Agassiz, British Columbia*".
- Golder Associates Ltd. (1997) "*Screening Level Environmental Impact Assessment, Pacific Agriculture Research Centre Agassiz, BC*".
- Golder Associates Ltd. (1998) "*Addendum I, Screening Level Environmental Impact Assessment, Pacific Agriculture Research Centre Agassiz, BC. Potential Impacts Associated with the Installation of a Geothermal Well Field*".
- Golder Associates Ltd. (1998) "*Addendum II, Screening Level Environmental Impact Assessment, Pacific Agriculture Research Centre Agassiz, BC. Assessment of Potential Impacts*".
- Golder Associates Ltd. (1998) "*Addendum III, Screening Level Environmental Impact Assessment, Pacific Agriculture Research Centre Agassiz, BC. Assessment of Potential Impacts*".
- AGRA Earth & Environmental Limited (2000) "*Removal of an Underground Storage Tank and Confirmatory Soil and Groundwater Sampling, 6947 #7 Highway, Agassiz, British Columbia*".

- Pottinger Gaherty Environmental Consultants Ltd. (2000) “*Soil Investigation of Former Above Ground Fuel Storage Facilities – Pacific Agri-Food Research Centre (Abbotsford Farm) and Abbotsford Sub-station near Abbotsford, B.C.*”.

A summary of the previous investigations undertaken is provided in the following sections.

#### 4.3.1 Agriculture Canada (1991)

A review of the report indicated that the purpose of this assessment at the Agriculture Canada establishments was to:

- Identify and locate abandoned and current-use waste disposal sites;
- Identify and locate land contaminated by leaking underground storage tanks;
- Identify and locate any other contaminated land sites;
- Assess these sites with respect to their potential for posing a hazard to humans or the environment; and
- Recommend follow up actions for reducing hazard(s) posed by the sites, if required.

Based on the assessment undertaken at the Agassiz Site, a number of waste disposal areas (compost, manure storage and landfills) were identified. In addition, six former and two existing underground storage tanks were identified on the Agassiz Site between 1950 and 1991.

The assessment indicated that based on the National Classification System of Contaminated Sites the different waste disposal areas were ranked as:

- Considered to be of low risk (1-A1, 1-A3, 1-C2 to 1-C14);
- Considered to be of low-medium risk (1-C1); and
- Considered to be of medium risk (1-A2).

Recommendations made generally throughout the report included:

- No further assessment of the site at this time and if current land use is maintained.
- Should land use in or near the site change, then further assessment would be prudent.

- Ground and surface water in and around the site should be sampled and analysed to determine if it meets drinking water standards. If contamination is evident then further assessment of soil may be required (1-A2).
- Disposal site should be covered with soil when closed.

#### 4.3.2 Golder Associates Ltd. (1994)

In 1994, Golder undertook an environmental site assessment of the Agassiz Site. The assessment included the investigation of soil vapour, surface water, soil and groundwater at twelve waste disposal sites.

Chemical analysis of soil and groundwater collected at the waste disposal sites assessed encountered relatively low concentrations of contaminants, typically at levels below the existing federal/provincial (CCME/BCE) remediation criteria applicable to the site. A surface water sample collected at the intermittent slough near 1-A2 and 1-C13 was found to contain low levels of total metals and nutrients, and pesticides were not detected above the laboratory reporting limit.

Impacts to soil and groundwater in the area of the waste disposal sites (1-A1 and 1-A2) appeared to be associated with the presence of isolated concentrations of elevated metals (barium, mercury, sulphur and zinc), in excess of applicable soil remediation criteria, trace concentrations of DDT and PCBs in soil at 1-A1, and a trace concentration of the chlorinated pesticide, Naled, in groundwater at 1-A2. Metals were generally present at background levels in the groundwater. The results of the field investigation indicated that the landfill sites appear to represent a minimal risk to human health and the environment.

Analysis of soil and groundwater at the manure storage sites (1-C4 and 1-C7), for nutrients and dissolved anions and metals, indicated limited impacts to the environment based on winter sampling. However, the presence of dissolved ammonia and nitrate above inferred natural background levels at both sites suggested the potential for elevated levels of nitrate to occur during the spring months when manure accumulation is greatest and precipitation high.

Field investigations at composting sites (1-C1/C12 and 1-C13) encountered isolated zones of non-organic/non-compostable wastes (metal, glass, ash) at both sites. While the non-organic fill material at 1-C1/C12 was found to contain acceptable levels of metals and mineral oil and grease, the ash fill at 1-C13 contained high concentrations of lead, sulphur and zinc as well as elevated mineral oil and grease, all above current federal/provincial remediation and/or investigation criteria. Metal contaminants were not found at levels of concern in groundwater collected at the nearby monitoring well (MW-25). However, groundwater at both compost sites exhibited nitrate concentrations

above drinking water limits. The elevated nitrate levels may be of some concern because of the potential migration of nitrate towards property boundaries and private water supply wells located off site.

Investigations of the rock pit and septic disposal sites (1-C14 through 1-C19) encountered limited impacts to the soil and groundwater except in the area of 1-C19, near the pesticide building.

Pesticides were present in three soil samples collected at 1-C19, with combined concentrations exceeding applicable provincial criteria in one of the samples. Two of the pesticides present in the soil, atrazine and endosulfin, were detected in groundwater at monitoring well (MW-15), but at levels below the BCE drinking water limits. Based on inferred flow directions and the present configuration of wells at 1-C19, it was considered possible that higher concentrations of pesticides may be present in the groundwater which were undetected in the program. Higher concentrations of pesticides may also be found in the soil and groundwater during the summer months when the building is in active use. Although natural attenuation processes, sorption and decay, were anticipated to restrict the migration of pesticides far beyond the source, the presence of a number of private and municipal wells beyond the nearest property boundary (300 m away) rendered the site of some concern with respect to groundwater consumption and use.

According to the CCME National Classification System for contaminated sites, most of the sites investigated (1-A2, 1-C4, 1-C7 and 1-C14 through 1-C18) had class N ratings and were considered to be of low risk. However, the abandoned waste disposal site 1-A1, the composting sites 1-C1/C12 and 1-C13, and the in-ground disposal facility for the Pesticide Storage Facility (1-C19) had Class 3 ratings and were considered to be of medium-low risk.

Recommendations were made for re-sampling of all monitoring wells for nitrates to more fully assess the impacts of site activities on groundwater nitrate concentrations, re-sampling of two wells near 1-C19 for pesticides and completion of a round of water level monitoring during a summer monitoring event. Additional recommendations were put forth regarding the implementation of improved waste and pesticide management practices on site, including: construction of a covered storage facility for manure storage at 1-C4; removal of ash containing elevated sulphur and heavy metals from 1-C13; closure of 1-C12 and storage of compost at an appropriate composting facility or disposal off site; closure of 1-C2 used for burning of combustible wastes; closure of the one active landfill on site; and replacement of the current rock-pit disposal system at 1-C19 with an appropriate treatment system for pesticides and other wastes in accordance with provincial regulations.

#### 4.3.3 Agra Earth and Environmental Ltd. (1996)

In 1996, Agra Earth and Environmental Ltd. undertook a Phase I and Limited Phase 2 assessment of the site as part of AAFC due diligence policy for the proposed leasing of some of the buildings located on the site. The assessment undertaken included a review of historical records, interviews, site reconnaissance, sample collection and analysis (asbestos-containing material and lead-based paints), review of previous reports and reporting of findings.

During the Agra 1996 assessment the following issues were identified and recommendations made:

- Elevated concentrations of pesticides were found occasionally in groundwater. It was recommended that representative samples of the groundwater from the four wells (i.e., two domestic supply and two irrigation wells) present on site be collected and evaluated for pesticides.
- If buildings were to be connected to the municipal sewer system, then prior to decommissioning of the septic tanks/drain fields, biohazardous wastes (e.g., raw sewage) be disposed of in a manner acceptable by the Department of Health.
- Asbestos-containing materials were identified in some of the buildings proposed to be leased at the time of the assessment. It was recommended that during renovations, necessary precautions be undertaken. If the materials were to be removed, an approved contractor should be retained and the materials disposed in accordance with the Waste Management Act.
- Lead-based paints were identified in buildings across the site. It was recommended that during renovations, necessary precautions be undertaken. Suspected lead-containing materials would be sampled and analysed to determine appropriate waste disposal (e.g., special waste).

#### 4.3.4 Golder Associates Ltd. (1997)

In 1997, Golder undertook a screening level environmental impact assessment of a proposed upgrade that would involve the replacement of several structures with a “single roof concept” facility. The assessment involved:

- the review of previous investigations, relevant published and unpublished reports;
- site reconnaissance; and
- interviews with site staff.

Based on this assessment the following valued ecosystem components were identified:

- construction personnel and staff health and safety;
- local Agricultural Land Reserve Lands;
- local soil and groundwater resources for agricultural production and water supply;
- the 1893 former calf barn and the arboretum;
- Coho salmon and cutthroat trout and their habitat in Miami Creek; and
- Green herons and their habitat in the vicinity of Agassiz Slough.

An assessment was conducted of potential environmental impacts to these valued ecosystem components. Impacts were categorized as “low”, “moderate” or “high” based on subjective criteria. The assessment indicated that no potential impacts were identified that are considered to have “high” significance. The table below indicates the potential impacts considered to be of “low” and “moderate” significance.

Low Significance	Moderate Significance
Damage to infrastructure, heritage and archaeological resources.	Release of hazardous, regulated and/or controlled substances.
Sediment deposition, damage to vegetation, noise and dust.	Disturbance of soil and groundwater contaminants associated with underground infrastructure.
Impacts as a result of greenhouse operations.	Degradation of soil and groundwater quality during the operations phase and as a result of cumulative and synergistic impacts.

Mitigation measures and general recommendations to address these potential impacts are provided, including recommendations with regard to:

- Soil and groundwater contamination at the site caused by previous waste management practices;
- The presence of hazardous, regulated and/or controlled substances at the site;
- The long-term conservation of environmental resources near the site; and
- Construction planning.

Recommendations also included sampling and analysis of soil and groundwater near the former pesticide building (No. 58) and soil quality near an equipment storage shed (No.52) where hydrocarbon staining was observed. In addition, it was recommended that a qualified consultant be retained to inventory all asbestos-containing materials in the building to be decommissioned and to oversee the removal and disposal of these materials in accordance with relevant, regulations and guidelines.

#### 4.3.5 Golder Associates Ltd. (Addendum I) (1998)

The assessment undertaken by Golder as part of the Addendum I, was to identify the potential adverse environmental impacts potentially associated with the installation of a geothermal well field at the site, assess the significance of potential impacts, and propose mitigation measures and/or additional investigations as appropriate.

The recommendations made during this assessment included a further evaluation of the identified potential impacts which may result from the operation of a geothermal well field at the site and to mitigate and/or manage the potential environmental risks which may be associated with the operation of a geothermal system.

#### 4.3.6 Golder Associates Ltd. (Addendum II) (1998)

The purpose of this report was to assess the significance of potential environmental impacts which were identified in the EIA and in Addendum I. The results of the potential environmental-impact assessments included:

- Groundwater in the vicinity of the historic pesticide building was indicated to be suitable for its present and intended use at the site in regards to potential biocides. Potential impact of soils by the potential biocides of concern near the historic pesticide building was considered to be low. However, it was indicated that shallow soil near the historic pesticide building should be managed.
- Suspect soil near the northeast corner of an equipment-storage building had been remediated.
- The potential for adverse environmental impacts to result from the storage, handling and use of biocides at the facility upgrade will be mitigated through implementation of existing policies and procedures.
- Laboratory effluent from the facility upgrade would be discharged to the District of Kent sanitary sewer system. Laboratory-chemical storage, handling and disposal policies and procedures would mitigate the potential for adverse impacts from laboratory discharge.

- Water-table elevation changes which are induced by pumping or injecting water at the proposed geothermal wells were unlikely to affect levels or flow characteristics in nearby surface-water bodies.
- The proposed well field was unlikely to significantly affect the quality or quantity of groundwater at existing nearby water-supply wells. Although it was recommended that the installation of groundwater wells and implementing long-term monitoring programs to assess and document the actual effects of the operating well field.
- It was considered that the pumping/injection rates, which were proposed for the geothermal wells, were likely to induce only small and localized changes in the water-table elevation. It was also recommended that the well be located a minimum of approximately 30 m from existing or planned buildings, services or other structures to decrease the risk that groundwater fluctuations would affect geotechnical characteristics of the subsurface.
- Groundwater mounding associated with the injection of water within the proposed well field is unlikely to cause or contribute to surface flooding and is unlikely to significantly increase seepage rates into nearby subsurface structures. The likelihood of groundwater mounding and affecting research plots is considered to be small.
- The potential for a significant thermal plume being produced by the proposed well field and negatively affecting nearby water-supply wells is low.
- The possibility of pumping contaminated groundwater through the proposed geothermal system can be minimized through implementing mitigative chemical usage, handling, and storage practices within the effective well-field.

#### 4.3.7 Golder Associates Ltd. (Addendum III) (1998)

The assessment undertaken consisted of the monitoring of water levels in previously-installed wells. The chemical analysis of groundwater from three previously-installed wells. Chemical analysis of soil collected from 20 shallow test pits excavated near the former pesticide building. The excavation of two shallow test-pits in the vicinity of Building 54, an equipment-storage building, where previous investigation had identified the presence of stained soil suspected to contain hydrocarbons. The purpose of the investigation was to re-assess, prior to the demolition of the pesticide building and re-development of the area, the quality of soil and groundwater which were indicated by previous investigations to contain elevated levels of biocides.

Based on the assessment undertaken, the following recommendations were made should excavation or other handling or relocation of soil near the pesticide building be necessary:

- Soil quality above a depth of 1.0 m should be assessed with respect to its OCP content prior to excavation, etc.
- The quality of soil within 0.5 m of the ground surface near the Pesticide Building and more than four metres from the test pits which were excavated as part of the assessment be assessed with respect to its content of OCP prior to excavation.
- Shallow soil (above 0.5 m depth) which is near the pesticide building and/or other soil of comparable quality require on-site relocation, it was recommended that adequate precautions be taken to minimize the likelihood that leachable biocides originating from the soil are able to impact the shallow aquifer beneath the site.
- Shallow soil (above 0.5 m depth) which is near the pesticide building and/or other soil of comparable quality require on-site relocation, it was recommended that the soil be placed in a manner that will minimize the potential for the soil or runoff or seepage originating from the soil to enter surface water.
- Personnel exposed to soil during excavations should take appropriate precautions to limit their exposure to the soil.
- If soil is to be disposed off-site, it was recommend that it be determined if the soil qualifies as a Dangerous Good or a Special Waste.

#### 4.3.8 AGRA Earth & Environmental Ltd. (2000)

In 2000, AGRA undertook an investigation at the site that included supervision of an abandoned UST removal, assessment of the extent of soil and groundwater contamination, and the disposal of the contaminated soil and groundwater encountered.

During the excavation of the UST, evidence of contamination was observed. Soil excavated was stockpiled on site and confirmatory samples collected from the walls and base of the excavation. Confirmatory samples analysed indicated that the base of the excavation had concentrations of the chemicals of concern above the CSR - Agricultural Land Use standards and CCME - criteria for agriculture use. Two samples analysed from the stockpiled material exceeded both the CSR and CCME standards and criteria.

Based on the chemical analysis, further works were recommended that included assessing the extent of soil and groundwater contamination. Additional soil was excavated from the base of the excavation and groundwater monitoring wells installed. During the installation of the wells no visual or olfactory evidence of contamination was observed in the soil or groundwater. The chemical results indicated that, for the contaminants of concern, the concentrations detected were below the laboratory reporting limit. Additional confirmatory samples collected and analysed from the base of the excavation indicated that the concentration of the contaminants of concern were below the CSR standards and CCME criteria.

During the excavation of the UST, an “oily sheen” was observed on the surface of the water that had ponded. A sample collected and submitted to the laboratory indicated that the concentrations of contaminants of concern exceeded the CSR aquatic water use standard and the CSR and CCME drinking water standards and criteria, respectively.

Stockpiled soil identified during the assessment as contaminated was disposed of off-site to a treatment and disposal facility located in Abbotsford, British Columbia. The water removed from the excavation was transported off-site to a treatment facility in Richmond. Testing of remaining water in the excavation indicated that the concentrations were below the CSR and CCME drinking water standards and criteria. Agra indicated that no further investigation and/or remediation were warranted at the time of the investigation.

#### 4.3.9 Pottinger Gaherty Environmental Consultants Ltd. (2000)

In 2000, Pottinger Gaherty Environmental Consultants Ltd. undertook a soil investigation at the Clearbrook RF and the Walmsley RF. The investigation undertaken at the Clearbrook RF involved the assessment of near surface soils in the vicinity of the former aboveground storage tank. At the Walmsley RF the investigation involved the assessment of impacted surface soils adjacent to the fuel storage shed.

Soil samples were collected from beneath and in the vicinity of the aboveground storage tank at the Clearbrook RF and submitted to a laboratory for light and heavy extractable petroleum hydrocarbon analysis. The analytical results indicated that, for the analytes tested, the concentrations detected were below the laboratory reporting limits.

Surface soil samples were collected in the vicinity of the former fuel storage shed at the Walmsley RF. One of these samples was submitted to a laboratory for light and heavy extractable petroleum hydrocarbon analysis. The analytical results indicated that the concentration of light extractable petroleum hydrocarbons exceeded the CSR AL standards.

The impacted area was remediated by the Agriculture Canada staff by hand excavation. The excavated soil was placed in drums and disposed of to Sumas Environmental Services Inc. in Abbotsford, B.C. Confirmatory samples collected from the base of the excavation were submitted to a laboratory for light and heavy extractable petroleum hydrocarbon analysis. Analytical results indicated concentrations of analytes tested were below the laboratory reporting limits and the CSR AL standards.

#### 4.4 Historical Aerial Photograph Review

##### **Agassiz Site**

Historical aerial photographs for the Agassiz Site and the adjacent areas were obtained from the University of British Columbia, Geographic Information Centre. Aerial photographs from 1949 to 1999 were available for review. Table 2 presents a summary of the aerial photograph interpretation. Selected aerial photographs are reproduced in Appendix II.

**Table 2 - Aerial Photograph Interpretation for the Agassiz Site**

<b>Date</b>	<b>Aerial Photograph</b>	<b>Site Description</b>	<b>Surrounding Area</b>
1949	BC719:18/19	<p>Farm 1: An entrance road from the main road leads to a central building area of the site. The central building area appears to consist of a number of buildings of varying sizes. Surrounding this central building area are fields. In some of these fields areas of low depression (e.g., possible water hole) are present. Areas of disturbed soil are also observed along the northern boundary.</p> <p>Farm 2: Was not covered in this photograph.</p>	<p>Farm 1: Located to the north of the site is Green Mountain. The site is bounded by the Highway to the east. To the south the site is bounded by vacant land and residential properties. To the west the site is bounded by agricultural land.</p>
1954	BC1685:90/91	<p>Farm 1: It appears that additional buildings have been built within the central building area, including buildings along the site's boundary to the east of the central building area. There appear to be 3 to 5 buildings and stockpiles of soil located in the field immediately to the east of the central building area. A path also appears along the base of Green Mountain.</p> <p>Farm 2: Is not visible in this photograph.</p>	<p>Farm 1: The surrounding land use appears similar to the 1949 aerial photograph.</p>

Date	Aerial Photograph	Site Description	Surrounding Area
1963	BC5061:191, 204/205	<p>Farm 1: Additional buildings have been built within the central building area. The area of low depression still exists to the north west of the central building area and appears to contain water. The buildings along the boundary to the east of the central building area appear to have been demolished. Areas along the northern boundary appear to have been disturbed (e.g., trees removed).</p> <p>Farm 2: In this photograph a portion of the site is visible. The portion visible was used for a correctional institution. This area consists of a building in the shape of a H, a building in the shape of a cross, and 5 to 6 rectangular shaped buildings. Soil appears to be disturbed to the south and west of the buildings.</p>	<p>Farm 1: The surrounding land use appears unchanged from the previous photograph reviewed.</p> <p>Farm 2: This portion of the site is surrounded by fields to the north, east and west and Green Mountain to the south.</p>
1971	BC05407:44/45	<p>Farm 1: Additional buildings may have been constructed in the central building area. The area of low depression is still present to the north west of the central building area. Soil appears to be disturbed along the northern boundary in places.</p> <p>Farm 2: Appears similar to the previous photograph reviewed.</p>	<p>Farm 1 and Farm 2: The surrounding land use appears similar to the previous photograph reviewed.</p>

Date	Aerial Photograph	Site Description	Surrounding Area
1979	BC79045:57/58, 126	<p>Farm 1: Additional buildings have been built within the central building area. The low depression to the north west of the central building area has been split into two areas of depression rather than one. The area to the north of building 34 and areas along the northern boundary appear disturbed.</p> <p>Farm 2: Appears similar to the previous photograph reviewed, with the exceptions of buildings now observed to the west of the correctional area.</p>	<p>Farm 1: Surrounding areas to the south and agricultural land to the west appears further developed. The areas to the east and north of the site appear unchanged.</p> <p>Farm 2: The surrounding land use appears similar to the previous photograph reviewed.</p>
1983	BC83017:183/184	<p>Farm 1: Additional buildings have been built within the central building area. The two low depressions still appear to be present. Soil appears to be disturbed in the field to the far east of the central building area. Soil also appears to be disturbed in a field to the north of the central building area.</p> <p>Farm 2: Was not covered in this photograph.</p>	<p>Farm 1: Surrounding areas to the south and agricultural land to the west appears further developed. The areas to the east and north of the site appear unchanged.</p>
1993	BC93029:190/191	<p>Farm 1: Additional buildings have been built within the central building area, while others appear to have been removed/demolished. The two low depressions appear to have been filled. Soil to the north of Building 54 appears to be disturbed, possibly in preparation of the composting facility. Soil also appears to be disturbed between pumphouse and Building 34. Areas along the northern boundary still appear disturbed.</p> <p>Farm 2: Was not covered in this photograph.</p>	<p>Farm 1: Surrounding areas to the south and agricultural land to the west appears further developed. The areas to the east and north of the site appear unchanged.</p>
1999	6064-330	<p>Farm 1: The site appears relatively unchanged from the previous aerial photograph.</p> <p>Farm 2: Was not covered in this photograph.</p>	<p>Farm 1: The surrounding land use appears relatively unchanged from 1993.</p>

### **Clearbrook Research Farm**

Historical aerial photographs for the Clearbrook Research Farm and the adjacent areas were obtained from the University of British Columbia, Geographic Information Centre. Aerial photographs from 1940 to 1999 were available for review. Table 3 presents a summary of the aerial photograph interpretation. Selected aerial photographs are reproduced in Appendix II.

**Table 3 - Aerial Photograph Interpretation for Clearbrook Research Farm**

<b>Date</b>	<b>Aerial Photograph</b>	<b>Site Description</b>	<b>Surrounding Area</b>
1940	209:5	The site appears to be covered entirely by vegetation (trees).	The surrounding land appears to be either covered by vegetation (trees) or farmland. Buildings are generally located near the main road on each of the farmland areas.
1949	729:72	A majority of the site is covered by vegetation (trees) except for a portion of the south east corner. In the south east corner the vegetation appears to have been removed.	The surrounding land use appears to have changed slightly with the addition of further buildings (e.g. possible sub division of farmland) and clearing of vegetation in the north east portion of the neighbouring property to the south.
1954	1783:36	The site appears unchanged from the 1979 aerial photograph reviewed.	The surrounding land to the north, east and west appear to be unchanged. However, an assessment of land use to the south can not be undertaken due to the lateral extent of the photograph in this direction.
1963	5072:282	The site has been developed. A majority of the trees have been cleared from the site and crop fields been established. A number of farm buildings are located along the southern boundary.	The surrounding land to the north, east and west appear to be unchanged. The land located to the immediate south of the site has been developed potentially for agricultural purposes. Further south the land appears to be used as a quarry.

<b>Date</b>	<b>Aerial Photograph</b>	<b>Site Description</b>	<b>Surrounding Area</b>
1974	5591:226	The site appears similar to the 1963 aerial photograph reviewed.	The surrounding land use to the north, east, south and west appears similar to the previous photograph.
1979	79010:061	The site appears similar to the 1974 aerial photograph reviewed.	The surrounding land use to the north, east, south and west appears similar to the previous photograph.
1983	83014:168	The site appears similar to the 1979 aerial photograph reviewed.	The surrounding land use to the north, east, south and west appears similar to the previous photograph.
1988	88007:105	The site appears similar to the 1983 aerial photograph reviewed.	The surrounding land use to the north, east, south and west appears similar to the previous photograph.
1994	94:25	The site appears similar to the 1988 aerial photograph reviewed.	The surrounding land use to the north, east, south and west appears similar to the previous photograph.
1999	6064:232	The site appears similar to the 1999 aerial photograph reviewed.	The surrounding land use to the north, east, south and west appears similar to the previous photograph.

### ***Walmsley Research Farm***

Historical aerial photographs for the Walmsley Research Farm and the adjacent areas were obtained from the University of British Columbia, Geographic Information Centre. Aerial photographs from 1940 to 1999 were available for review. Table 4 presents a summary of the aerial photograph interpretation. Selected aerial photographs are reproduced in Appendix II.

**Table 4 - Aerial Photograph Interpretation for Walmsley Research Farm**

<b>Date</b>	<b>Aerial Photograph</b>	<b>Site Description</b>	<b>Surrounding Area</b>
1940	209:5	The site appears to be used for agricultural purposes, with some vegetation (trees) and clearing. Buildings appear to be located along the northern and eastern boundary of the property. However, due to the poor quality of the photograph details of the site are difficult to distinguish.	The surrounding land generally appears to be used for agricultural purposes.

Date	Aerial Photograph	Site Description	Surrounding Area
1949	729:72	The majority of the site has been cleared of vegetation (trees) and appears to be used for agricultural purposes. A few buildings appear to be located on the northern boundary (accessed from Walmsley Ave) and on the eastern boundary (accessed from Clearbrook Road).	The surrounding land to the east and south of the site appears to be used for farmland. The land to the west of the site is being developed for the airport, with a section of the runway being observed. The photograph did not include land to the north of the site.
1954	1783:36	The majority of the site remains similar to the previous photograph, with the exception of the buildings located along the northern boundary. A number of additional buildings appear to have been developed to the east and west of the original building area.	The surrounding land use to the east and south of the site appears unchanged. The photograph did not include land to the north of the site. The land use to the north of the site appears to be farmland.
1963	5072:220	Additional buildings appear to have been constructed to the east of the original building area along the northern boundary (Walmsley Ave). The remained of the site appears unchanged.	The surrounding land use to the east and south of the site appears unchanged. The land use to the north of the site has altered slightly, with the presence of buildings along the northern side of Walmsley Ave. Further north west of the site there appears to be a quarry. The runway to the west of the site appears to have been extended in an easterly direction.
1974	5591:179	The buildings located along the eastern boundary appear to have been demolished, as does the majority of buildings that existed along the northern boundary (Walmsley Ave). A number of the trees that were observed in the previous photograph have also been removed. Two small buildings appear along the northern boundary.	The surrounding land to the east and south of the site appears unchanged. The runway has been extended further to the east. The land to the north of the site has been developed further with the addition of more buildings and the quarry has been extended to cover a larger area. Part of the quarry appears to be filled with water.

<b>Date</b>	<b>Aerial Photograph</b>	<b>Site Description</b>	<b>Surrounding Area</b>
1979	79010:061	The site appears to be cleared of vegetation and buildings, with the exception of four buildings clustered together on the northern boundary.	The surrounding land use appears unchanged.
1983	83014:168	The site appears relatively unchanged with the exception of two additional buildings with the other four buildings on site. The land to the immediate east appears to be developed for different crops.	The surrounding land use appears unchanged.
1988	88007:105	The land surrounding the buildings located on the site to the east, south and west appears to be developed for different crops. The remainder of the site appears unchanged.	The surrounding land use appears unchanged.
1994	94:25	The site appears relatively unchanged from the previous photograph, with the exception of an additional building.	The surrounding land use appears unchanged.
1999	6064:232	The site appears similar to the previous photograph.	The surrounding land use appears unchanged.

#### **4.5 Historical Directories Search**

Greater Vancouver occupancy directory listings were searched for each of the sites and surrounding properties. Based on this search, limited information was obtained due to listings in these areas either being provided based on the occupiers surname or street address with no street number listed. The information obtained by the search is summarized in Table 5. A copy of the pages reviewed from the directories is provided in Appendix III.

**Table 5 - Directory Review Summary**

<b>Date</b>	<b>Listing</b>
<b>Agassiz Research Station</b>	
1955	Experimental Farm Boarding House, Harrison Hot Springs Road.
1965	Lougheed Highway, no listing at 6947.
<b>Clearbrook Research Farm</b>	
1965	Clearbrook Road, no listing at 510. However there is a listing at 579.
1970	Clearbrook Road, no listing at 510. Listing starts at 1630 and finishes at 3035
1980	Clearbrook Road, no listing at 510. Listing starts at 1630 and finishes at 3339.
1990	Clearbrook Road, no listing at 510. Listing starts at 1630 and finishes at 2580 (complete listing not provided).
2000	Clearbrook Road, no listing specifically for 510. Listing starts at 71 and finishes at 3065.
<b>Walmsley Research Farm</b>	
1965	Walmsley Avenue, no listing at 31790
2000	31790 Walmsley Avenue listed, however no further details were provided.

#### **4.6 Water Wells**

##### **Agassiz Site**

An on-line search of the MWLAP Groundwater Database System was conducted. The search indicated that there were 29 registered water wells in total on or in the vicinity of Farm 1 and Farm 2 of the Agassiz Site. A summary of the well locations are presented in Table 6. The results of the groundwater database search is provided in Appendix IV.

**Table 6 - Summary of Groundwater Well Search for Agassiz**

<b>Number of Wells</b>	<b>Well Location</b>
4	Farm 1
21	Township of Agassiz
3	North of Farm 1
1	In the vicinity of Farm 2

**Clearbrook Research Farm**

An on-line search of the MWLAP Groundwater Database System was conducted. The search indicated that there were 73 registered water wells in total on or in the vicinity of the Clearbrook Research Farm. A summary of the well locations is presented in Table 7. The results of the groundwater database search is provided in Appendix IV.

**Table 7 - Summary of Groundwater Well Search for Clearbrook**

<b>Number of Wells</b>	<b>Well Location</b>
1	Clearbrook Road
17	Huntingdon Road
14	Columbia Street
7	Gladwin Road
2	Vye Road
1	Emerson Road
1	Montgomery Avenue
3	Short Road
27	Unknown Street Address

**Walmsley Research Farm**

An on-line search of the MWLAP Groundwater Database System was conducted. The search indicated that there were 80 registered water wells in total on or in the vicinity of the Walmsley Research Farm. A summary of the well locations are presented in Table 8. The results of the groundwater database search is provided in Appendix IV.

**Table 8 - Summary of Groundwater Well Search for Walmsley**

<b>Number of Wells</b>	<b>Well Location</b>
1	Site
40	Huntingdon Road
14	Clearbrook Road
6	Walmsley Avenue
7	Columbia Road
12	Unknown Street Address

## **4.7 Agency Inquires**

### **4.7.1 Insurers' Advisory Organization (IAO)**

#### ***Agassiz Site***

A request for information was made to Mr. Douglas Brazeau of the Insurers' Advisory Organization (IAO) on October 9, 2003 and a response received on October 10, 2003. A Historical Environmental Information Reporting System (HEIRS) search was conducted by the IAO and no information regarding the Agassiz Site, such as fire insurance maps or insurance reports, was found. A copy of the response is attached in Appendix V.

#### ***Clearbrook Research Farm***

A request for information was made to Mr. Douglas Brazeau of the Insurers' Advisory Organization (IAO) on November 12, 2003 and a response received on November 26, 2003. A Historical Environmental Information Reporting System (HEIRS) search was conducted by IAO and no information found regarding the Clearbrook Research Farm, such as fire insurance maps or insurance reports, was found. A copy of the response is attached in Appendix V.

#### ***Walmsley Research Farm***

A request for information was made to Mr. Douglas Brazeau of the Insurers' Advisory Organization (IAO) on November 12, 2003 and a response received on April 29, 2004. A Historical Environmental Information Reporting System (HEIRS) search was conducted by IAO and no information found regarding the Walmsley Research Farm such as fire insurance maps or insurance reports, was found. A copy of the response is attached in Appendix V.

### **4.7.2 Environment Canada**

Information regarding PCB storage, reports of spills, or records of non-compliance with environmental acts and regulations was requested from Environment Canada by facsimile on November 3, 2003 to Ms Bev Defehr. A response was received in November 12, 2003 for the Agassiz Site and the Research Farms (Clearbrook and Walmsley) and is provided in Appendix VI. The search indicated that no records of PCB storage or inspection records of non-compliance were kept in the Pacific and Yukon Region. Environment Canada was not aware of any permits, approvals or orders have been issued under other federal or provincial legislation by other government departments.

#### 4.7.3 BC Ministry of Water, Land and Air Protection (MWLAP)

##### ***Agassiz Site***

An on-line search of the MWLAP Site Registry was conducted for the Agassiz Site and vicinity to identify registered properties with environmental investigations or remediation activities within approximately 500 metres of the Agassiz Site. The search indicated that there was one property registered within 500 metres of the Agassiz Site currently under assessment. The property is located at 1756 Highway 9, Agassiz, BC. The status of the property identified is Active-Under Assessment, no further information was available. The results of the search are presented in Appendix VII. The property is located down-gradient of the Agassiz Site and is therefore considered unlikely to impact the Site.

##### ***Clearbrook Research Farm***

An on-line search of the MWLAP Site Registry was conducted for the Clearbrook Research Farm and vicinity to identify registered properties with environmental investigations or remediation activities within approximately 500 metres of the Clearbrook RF. The search indicated that there were no properties registered within 500 metres of the Clearbrook RF currently under assessment. The results of the search are presented in Appendix VII.

##### ***Walmsley Research Farm***

An on-line search of the MWLAP Site Registry was conducted for the Walmsley Research Farm and vicinity to identify registered properties with environmental investigations or remediation activities within approximately 500 metres of the Walmsley RF. The search indicated that there were no properties registered within 500 metres of the Walmsley RF currently under assessment. The results of the search are presented in Appendix VII.

#### **4.8 Interviews**

People familiar with the Agassiz Site and Research Farms (Clearbrook, Walmsley) were contacted as part of the Phase I ESA investigation. Verbal responses to specific questions pertaining to the Agassiz Site and Research Farms (Clearbrook, Walmsley) have been incorporated into the relevant sections in the report for the following persons:

- Mr. Lorne Premeau, Maintenance Supervisor
- Ms. Beth McCannel, Laboratory Technician
- Mr. Mike Bodnar, Farm Crew Supervisor

## **5.0 SITE RECONNAISSANCE**

Dr. Simone Mol of Golder conducted a reconnaissance of the three sites on October 14, 2003 and was accompanied by Mr. Chris Keith, Environmental Engineer for the Asset Management Team of AAFC (hereafter referred to as the “Client Representative”) and Mr. Lorne Premeau, Maintenance Supervisor of Pacific Agri-Food Research Centre (hereafter referred to as the “Site Representative”). Photographs for each of the Agassiz Site and the Research Farms (Clearbrook, Walmsley) during the reconnaissance are presented in Appendix VIII.

During the site reconnaissance, no opportunistic soil samples were collected.

### **5.1 Agassiz Site**

#### **5.1.1 Site Description**

The Agassiz Site (established 1888) is located at 6947 Lougheed Highway, Agassiz, BC (Figure 1) and covers an area of approximately 308 hectares. The Agassiz Site has been divided into two areas. The first area is referred to as Farm 1 and the second area is referred to as Farm 2.

Farm 1 is accessed from Lougheed Highway (Highway 7) and is bounded to the north and east by Green Mountain, to the south by railway tracks and the town of Agassiz and to the west by residential and agricultural properties. Farm 1 includes the central building area which consists of office buildings, laboratories, residences, various barns, greenhouse facilities and surrounding fields and research plots. A current plan of Farm 1 showing the location of the existing buildings and fields is presented in Figure 3. A summary of buildings on Farm 1 (past and present) is presented in Table 9.

Farm 2 is accessed from Chaplin Road and is bounded to the north by Bear Mountain, to the east by agricultural properties and Maria Slough, to the west by Green Mountain and to the south by Maria Slough. At the time of the site reconnaissance Farm 2 consisted of an incinerator (former), paint storage shed, sewage treatment equipment (former), residence, farming barns and fields. A current plan of Farm 2 showing the location of the existing buildings and fields is presented in Figure 4. A summary of buildings on Farm 2 (past and present) is presented in Table 9.

**Table 9 - Farm 1 and Farm 2 Building Descriptions**

<b>Building Number</b>	<b>Building Name</b>	<b>Year Built</b>	<b>Square Metres</b>	<b>Status</b>
<b>Farm 1</b>				
01	Storage	1916	27	Existing – In Use
04	Residence	1924	279	Existing, Leased to UBC
05	Two Car Garage	1952	37	Existing, Leased to UBC
06	Residence	1947	279	Existing – In Use
06A	Garage	1892	22.	Existing – In Use
07	Residence	1915	276	Existing, Leased to UBC
09	Two Car Garage	1950	39	Existing, Leased to UBC
10	Maternity Barn	1916	323	Existing, Leased to UBC
12	Dry Cow Barn	1950	2516	Existing, Leased to UBC
13	Heritage Barn	1892	2223	Existing – In Use
13A	Manure Storage	1975	282	Existing, Leased to UBC
14	General Service Building	1913	214	Demolished
15	Scale House	1923	87	Demolished
17	Entomology Lab	1947	86	Demolished
18	Administration	1919	793	Demolished
19	Residence	1955	360	Existing – In Use
20	Carpenter Shop	1920	658	Existing – In Use
21	Implement Shop	1912		Existing – In Use
22	Implement Shop	1954	181	Existing – In Use
28	Poultry House and Offices	1950	1150	Existing – In Use
29	Poultry Hatchery	1921	172	Existing – In Use
31	Headerhouse Greenhouse	1948	117.	Existing – In Use
32	Agronomy Building	1931	928	Existing – In Use
32A	Grinding Rooms	1974	27	Existing – In Use
34	Forage Dryers-LAB	1953	123	Existing – In Use
35	Storage	1916	453	Existing – In Use
6	Horticulture Building	1927	393	Demolished
37	Hort Header Lab	1956	380	Demolished
37A	Greenhouse 3	1938	84	Demolished
37B	Greenhouse	1955	319	Demolished
38L	Screenhouse	1978	167	Demolished

<b>Building Number</b>	<b>Building Name</b>	<b>Year Built</b>	<b>Square Metres</b>	<b>Status</b>
38V	Screenhouse	1978	167	Demolished
38N	Screenhouse	1978	167	Demolished
47	Machine Shop/Mechanic Shop	1958	465	Existing – In Use
48B	Stanchion Barn	1960	347	Existing, Leased to UBC
48C1	Hay Shed	1960	161	Existing, Leased to UBC
48C2	Hay Shed	1960	240	Existing, Leased to UBC
48D	Lounging Barn	1960	1171	Existing, Leased to UBC
48G	Manure Storage	1975	282	Existing, Leased to UBC
50	Piggery Storage	1915	149	Existing – In Use
51	Picnic Shelter	1955	48	Existing – In Use
52	Implement Shed	1964	203	Existing – In Use
53	Water Supply	1968	396	Existing – In Use
53A	Well 1	1968	8	Existing – In Use
53B	Well 2	1968	8	Existing – In Use
54	Poultry Cage House	1967	592	Existing – In Use
55	Poultry Barn		940	Existing – In Use
56	Calf Barn	1972	572	Existing, Leased to UBC
58	Pesticide Storage	1974	54	Demolished
60	Bunker Silo	1975	401	Existing, Leased to UBC
65	Metal Storage Shed (from prison)		54	Existing
68	Hort Storage	1980	6	Demolished
69	Plastic Greenhouse	1980	540	Demolished
70	Plastic Greenhouse	1980	275	Demolished
71	Feedmill Lab	1986	1289	Existing – In Use
72	New Greenhouse	1988	972	Existing – In Use
73	PCB Storage	1988	15	Existing – In Use
74	Chemical Storage	1992	61	Existing – In Use
75	Milking Parlor and Office		562	Existing, Leased to UBC
76	New Fuel Shed	1990	20	Existing – In Use
77	Manure Storage		481	Existing, Leased to UBC
78	Compost Facility	1995	848	Existing – In Use
79	Entomology Trailer		667	Demolished
80	Pesticide Storage	1996	59	Existing – In Use
	Agronomy Trailer		30	Existing

<b>Building Number</b>	<b>Building Name</b>	<b>Year Built</b>	<b>Square Metres</b>	<b>Status</b>
81	New Equipment Storage	2000	731	Existing – In Use
83	Screenhouse	1999	167	Existing – In Use
83	Screenhouse	1999	167	Existing – In Use
83	Screenhouse	1999	167	Existing – In Use
85	New Office Lab Complex	2000	7000	Existing – In Use
<b>Farm 2</b>				
40	Residence	1901	241	Existing – In Use
41	Implement Shed	1900	123	Existing, Leased to UBC
42	Pumphouse	1958	25	Existing, Leased to UBC
45	Bunker Silo Hay Shed	1961	38	Existing, Leased to UBC
45A	Lounging Barn	1957	585	Existing, Leased to UBC
49	Heifer Barn	1960	135	Existing, Leased to UBC
62	Paint Storage	1969	15	Existing
66	Incinerator	1970	1.5	Existing
67	Storage Garage	1963	422	Existing
	Sewage Treatment Facility			Existing (disused)

During the site reconnaissance none of the buildings leased by UBC or buildings used for poultry was accessed for this assessment due to the research being undertaken in these areas.

### 5.1.2 Site Operations

The Agassiz Site was established in 1888 to assess varieties of crops and breeds of livestock and to provide advice to Canadian farmers.

Plant research undertaken at the Agassiz Site has included both food crops and ornamentals. The types of crops and ornamentals researched include grain, corn, root crops, vegetables (e.g., potatoes, broccoli, peas, lettuce, etc.) fruits (e.g., strawberries, grapes, raspberries), ornamental trees and shrubs. Research undertaken has considered environmental factors (e.g., climate, moisture, etc), management, breeding, weed control, fertilizers, production, soil fertility and greenhouse production.

Livestock held on the Agassiz Site has included horses, cows (beef and dairy), pigs, sheep and poultry. The types of livestock research undertaken have included management, feeding practices, milk production, cheese production, meat production, breeding and egg production. At the time of the site reconnaissance the types of livestock on the Agassiz Site was limited to poultry and cows (dairy).

Research undertaken at the Agassiz Site at the time of the site reconnaissance includes poultry, cows, pest management, plant pathology, soils and environment.

### 5.1.3 Waste Management and Handling

A variety of waste is generated at the Agassiz Site and generally includes the following broad categories of animal, human, chemical and solid waste.

Based on the site reconnaissance and review of available documentation waste generated at the Agassiz Site in the past has been disposed of to the following facilities:

- Manure storage facilities and spreading on crop land;
- Rock pits;
- Septic tanks;
- On site landfills; and
- Composting.

In more recent times some of the waste generated at the site has been collected and disposed off site on an as required basis. The types of waste collected include chemicals, fuels and solid waste (e.g., paper/packaging) disposed of in large bins. In addition, other wastes generated at the Agassiz Site are disposed to the following facilities:

- Manure storage facilities and spreading on cropland;
- Waste wood (on-site burning); and
- Plant material and manure (composting).

Review of previous assessments indicated that a number of waste disposal sites were identified across the site by Dr. Chris Young of AAFC (1991) and Golder (1994). The assessment undertaken by Dr. Young was to identify the waste disposal areas and rank them according to the National Classification System of Contaminated Sites.

The assessment undertaken by Golder involved the assessment of 12 waste disposal sites identified. Two waste disposal areas identified, but not investigated in 1994 consisted of two landfills (active and former). Based on discussions with site personnel, the active landfill at the time of the assessment was used to dispose of concrete waste and silage. The former landfill identified was indicated to have existed in the vicinity of Building 54 (Figure 3). Information reviewed indicated that this former landfill was used to dispose of construction waste and domestic refuse until the 1960's.

#### 5.1.4 Herbicides, Pesticides and Fertilizers

Based on the site reconnaissance and the review of available information, a number of buildings (past and present) were dedicated to the storage of pesticides and fertilizers at the Agassiz Site. Given the purpose and use of the Agassiz Site for agriculture research the use of pesticides and fertilizers is likely to be widespread. Table 10 summarizes the known past and existing locations of herbicide, pesticide and fertilizer storage.

**Table 10 - Storage Location of Herbicide, Pesticides and Fertilizers**

<b>Building Number and Name</b>	<b>General Contents</b>	<b>Status</b>
21 - Implement Shed	Fertilizers	Existing – In Use
22 - Implement Shed	Fertilizers	Existing – In Use
37 – Hort. Header Laboratory	Pesticides	Past
58 – Pesticide Storage	Pesticides	Past
Current Pesticide Storage	Pesticides	Existing – In Use
73 – PCB Storage	Fertilizers	Existing – In Use

An investigation undertaken by Golder in 1994 in the vicinity of Building 58 indicated the presence of elevated concentrations of certain pesticides and metals in the groundwater. Further soil and groundwater assessment was recommended by AGRA (1996) and Golder (1997). In 1998, Golder undertook further soil and groundwater assessment in the vicinity of Building 58. The assessment indicated measurable concentrations of select organochlorine pesticides in the soil and groundwater. However, the concentrations at the time of the assessment did not exceed the standards. It was therefore considered that the groundwater near Building 58 was suitable for its present and intended use at the site. Recommendations regarding the handling of the soil in the vicinity of Building 58 were provided if the site was to be developed in the future. The building has since been demolished.

Golder's 1994 report indicated that Building 37 was used for the storage of pesticides prior to the construction of Building 58. Documentation indicated that the purpose of the building was to prepare for field plots and greenhouse experiments including the weighing and measuring of herbicides, fungicides and insecticides. An assessment undertaken in the vicinity of the building was limited and included the analysis of groundwater samples for herbicides but did not assess for the presence of pesticides.

In addition to the identified buildings in Table 10 it was considered possible for small volumes of pesticides and fertilizers to be stored, used and mixed in the greenhouses and screenhouses located at the site.

### 5.1.5 Storage Tanks

During the site reconnaissance, a number of underground (UST) and aboveground (AST) storage tanks were identified. Based on discussions and review of available documentation it was also indicated that a number of heating oil tanks had been located on the Agassiz Site but had subsequently been removed. It was also indicated that storage tanks were located behind the Feedmill building for the storage of hydrochloric acid. The existing storage tanks on site were generally used for storing fuels such as gasoline and diesel. A summary of existing tanks and their location are provided in Table 11.

**Table 11 - Location of Storage Tanks**

Location	Type	Volume (L)	Contents	Status
85-New Office Lab Complex	AST(1)	4,000	Diesel	Existing
53 - Pumphouse	AST(1)	500	Diesel	Existing
47-Machine/Mechanic Shop	AST(1)	1,000	Waste Oil	Existing
76-New Fuel Shed	UST(1)	4,500	Gasoline	Existing
76-New Fuel Shed	UST(1)	4,500	Diesel	Existing
76-New Fuel Shed	UST(1)	2,270	Ethanol Fuel (85%)	Existing
71-Feedmill	AST(2)	Unknown	Hydrochloric acid	Removed (2000)
Pesticide Storage	AST(1)	4,000	Waste Pesticide	Existing
Building 19, 32, 36, 37	UST(6)	Unknown	Heating Oil	Removed (1986)
Other Locations Across the Site	AST/UST	Unknown	Unknown	Unknown
76-New Fuel Shed	UST(1)	1,900	Unknown	Removed (2000)

The Golder report (1994) indicated that six heating oil tanks had been removed in 1986 from Buildings 19, 32, 36 and 37. It was indicated in the report that according to site personnel no evidence of tank leakage (e.g., staining) was observed during the tank removal. No further documentation regarding the tank removal was provided.

In 2000, Agra Earth & Environmental Ltd. was engaged to conduct an excavation assessment following the removal of an underground storage tank identified during site works in the vicinity of the new fuel shed. The assessment involved the collection of confirmatory soil samples from the excavation. Chemical analysis of the confirmatory samples indicated the presence of elevated concentrations of toluene, ethyl benzene,

xylenes, VPH and EPH (C<sub>10</sub>- C<sub>19</sub>) in the base of the excavation. Additional soil was excavated from the base and confirmatory samples collected. Analysis of these samples indicated concentrations below the adopted standards and criteria. Impacted soil was disposed off site.

In addition to the soil assessment, an assessment was undertaken on the groundwater in the vicinity of the former underground storage tank. Groundwater samples were collected from each of the wells installed and submitted to a laboratory for analysis. Chemical analysis indicated that the concentrations detected were below the laboratory reporting limits.

During the site reconnaissance, water was observed in the waste pesticide secondary containment beneath the waste pesticide AST.

#### 5.1.6 Chemical Storage

Based on the site reconnaissance and the review of available documentation it is likely that the use and storage of chemicals at the Agassiz Site has been quite varied. It is our understanding that a number of laboratories have existed, some of which have been purpose built while others have been retrofitted in existing buildings located on the Agassiz Site. At the time of the site reconnaissance and based on review of available information at least ten laboratory facilities were identified. These facilities were located within Building 17, 20, 28, 32, 34, 37, 71, 74 and 75. The form of chemicals observed during the site reconnaissance included solids, liquids and liquefied gases. Not all laboratory facilities were accessed during the site reconnaissance.

The location of the chemical storage areas observed are summarized in Table 12.

**Table 12 - Chemical Storage Locations**

<b>Location</b>	<b>Contents</b>	<b>Status</b>
74 - Chemical Storage Building	Acids, bases, solvents, metals	Existing
20 - Carpenter Shop	Unknown	Existing
28 - Poultry House & Offices	Metals, solvents, acid, bases	Existing
37 - Header House	Metals, solvents, acids, bases, pesticides	Demolished
32 - Agronomy Building	Solvents, acids, bases	Disused
71 - Feedmill	Acid, bases	Existing

<b>Location</b>	<b>Contents</b>	<b>Status</b>
17 - Entomology Laboratory	Solvents, metals, acid, bases	Demolished
85 - New Office Lab Complex	Various	Existing
75 - Milking Parlor and Offices	Acids	Disused
47 - Equipment Storage	Oils, lubricants, solvent	Existing
76 - New Fuel Shed	Fuel, oils, lubricants	Existing

In 1994, the assessment undertaken by Golder included the collection of soil and groundwater samples from five of the laboratory facilities (Building 17, 20, 28, 32 and 37). The limited soil assessment indicated the presence of select metals and di-n-butylphthalate. Groundwater samples analysed indicated the presence of elevated concentrations of iron, manganese and molybdenum. Concentrations of chloroform, di-n-butylphthalate, bis (2-ethylhexyl) phthalate were also detected in some of the wells tested.

#### 5.1.7 PCB Storage

The use of polychlorinated biphenyl (PCB) dielectric fluids in electrical equipment such as transformers, fluorescent lamp ballast and capacitors was common up to about 1980. The Federal Chlorobiphenyls Regulations, SOR/91-152, prohibits the use of PCBs in the above electrical equipment installed after July 1, 1980.

During the site reconnaissance fluorescent lights were observed to be used in buildings located at the Agassiz Site. Based on the age of some of the buildings it is possible for PCB containing materials to be present. In addition to the fluorescent lights being observed a building present on the Agassiz Site was named the PCB storage (Building 73). Although not currently used for PCB Storage it was indicated that it had been used for approximately three years in the past. Based on discussion with site personnel the building was used for PCB storage from anywhere between 1994 to 1999.

#### 5.1.8 Discharges, Releases and Staining

Staining of the surface was observed in some of the areas accessed during the site reconnaissance. Staining was observed within the mechanical room of the new administration and laboratory building, equipment storage and maintenance shed, pumphouse and dairy building. The surface staining was observed in these areas were generally on concrete surfaces that were considered in fair to good condition.

During the site reconnaissance it was indicated that there was a hydrochloric acid spill from the former aboveground storage tanks located at the back of the Feedmill. This has been clarified further by the Feedmill Manager, Mr. Martin Fraser, that the spill was actually a leak that was contained within the secondary containment.

#### 5.1.9 Natural Environment Receptors

##### Wetlands

An intermittent slough is located to the north of the central building area on Farm 1 along the property boundary. Farm 2 is bounded by Maria Slough on the east and south.

##### Surface Water

A stream is located approximately 1 km to the south of Farm 1, whereas Maria Slough bounds a portion of Farm 2.

#### 5.1.10 Site Specific Environmental Issues

##### Lead-Based Paint

Although lead-based paints were banned from uses on exterior, or interior surfaces of buildings, furniture, or household products in the 1970s, various commercial paints are still known to contain lead in concentrations greater than the 0.5 percent weight to weight of lead (e.g., road paint). Given the likely age of several of the buildings located on the Agassiz Site there is potential for lead-based paints to be present.

The limited assessment undertaken by AGRA Earth and Environmental Ltd. in 1996 indicated the presence of lead in some of the paint samples tested.

##### Asbestos-Containing Materials

Asbestos-containing materials (ACMs) can be found in plaster, mechanical insulation, gaskets, thermal insulation on pipes, refractory material, roofing felts, floor tiles, ceiling tiles and pargings, heat resistant panels, incandescent light fixture reflector plates and any other material requiring a high degree of durability and/or thermal resistance. The common use of potential friable (breakable by hand) ACMs in construction voluntarily stopped in the mid-1970s. Given the likely age of several of the buildings located on the Agassiz Site there is potential for ACMs to be present.

The limited assessment undertaken by AGRA Earth and Environmental Ltd. in 1996 indicated the presence of asbestos in some of the materials tested.

### Ozone-Depleting Substances

Commonly used equipment that could potentially contain ozone-depleting substances include aerosols, foam plastics, dry cleaning equipment, refrigeration systems, air conditioning units and some portable fire extinguishers.

During the site reconnaissance a number of air conditioning units and refrigeration systems were observed. However, close review of these air conditioning units and refrigeration systems were not undertaken as part of this assessment. Therefore, based on the age of some of the air conditioning units and refrigeration systems located at the Agassiz Site it is possible for ozone-depleting substances to be present.

The AGRA Earth and Environmental Ltd. report indicates that air conditioning units present at the Agassiz Site at the time of their assessment in 1996 contained R22-Freon Gas.

### Radioactive Material

During the site reconnaissance it was observed that a radioactive material was stored in one of the ground floor rooms of Agronomy Building (Building No. 32). The radioactive material has been identified to be associated with the density and/or moisture gauges. Two of the gauges are portable and kept in their travel cases, while the other is not portable. It was indicated that the site is licensed for these and that in the past they have been inspected biannually, this expected to change to annually.

#### 5.1.11 Surrounding Land Use

During the site reconnaissance it was observed that the surrounding land uses generally consisted of residential and agricultural land.

## 5.2 Clearbrook Research Farm

### 5.2.1 Site Description

The Clearbrook Research Farm is located at 510 Clearbrook Road, Abbotsford, B.C. (Figure 2) and covers an area of approximately 7.5 hectares.

The Clearbrook Research Farm is bounded by agricultural properties to the north, east and south and Clearbrook Road to the west. The Clearbrook Research Farm consists of a residence, equipment storage shed and surrounding fields. A current plan of the Clearbrook Research Farms showing the location of the existing buildings and fields is presented in Figure 5. A summary of buildings on the Clearbrook Research Farm is presented in Table 13.

**Table 13 - Clearbrook Research Farm Building Description**

<b>Building Number</b>	<b>Building Name</b>	<b>Year Built</b>	<b>Square Metres</b>	<b>Status</b>
Unknown	Residence	1957	203	Existing
Unknown	Equipment Storage	1965	128	Existing
Unknown	Pumphouse	1959	6	Existing
Unknown	Field Building	Unknown	11	Existing

### 5.2.2 Site Operations

Documentation indicates that the small-fruits substation was established at Abbotsford, B.C. in 1956. The key small-fruits studied included strawberries and raspberries. The Clearbrook RF was used for cultural experiments to improve production through improved herbicide use, fruit rot control, and propagation.

At the time of the site reconnaissance a variety of small-fruits were growing. It was also indicated that other fruits such as kiwi fruits had also been researched at the Clearbrook RF.

### 5.2.3 Waste Management and Handling

During the site reconnaissance no waste management and handling practices were observed. The Site Representative was unaware of past or current waste management practices at the Site.

### 5.2.4 Chemical Storage

During the site reconnaissance it was observed that the general chemical storage including herbicides, pesticides and fertilizers were stored in a portion of the equipment shed. Quantities were not identified during the site reconnaissance.

### 5.2.5 Storage Tanks

During the site reconnaissance an aboveground storage tank was identified. Based on discussions with the Site Representative it was indicated that this diesel aboveground storage tank was installed in 2000.

The previous diesel aboveground storage tank located on the site had been decommissioned. A report prepared by Pottinger Gaherty (2000) indicated that samples were collected in the vicinity of the former aboveground storage tank and the former aboveground storage tank location. All samples analysed reported concentrations less than the detection limits.

### 5.2.6 PCB Storage

During the site reconnaissance, no PCB storage facility was identified.

### 5.2.7 Discharges, Releases and Staining

During the site reconnaissance, staining was observed within the chemical storage area on the concrete floor. The concrete surface was considered to be in good condition.

### 5.2.8 Natural Environment Receptors

#### Wetlands

No wetlands were observed on or in the vicinity of the site.

#### Surface Water

Laxton Lake is located approximately 1 km to the south west of the site.

### 5.2.9 Site Specific Environmental Issues

#### Lead-Based Paint

Although lead-based paints were banned from uses on exterior, or interior surfaces of buildings, furniture, or household products in the 1970s, various commercial paints are still known to contain lead in concentrations greater than the 0.5 percent weight to weight of lead (e.g., road paint). Given the likely age of several of the buildings located on the site there is potential for lead-based paints to be present.

#### Asbestos-Containing Materials

Asbestos-containing materials (ACMs) can be found in plaster, mechanical insulation, gaskets, thermal insulation on pipes, refractory material, roofing felts, floor tiles, ceiling tiles and pargings, heat resistant panels, incandescent light fixture reflector plates and any other material requiring a high degree of durability and/or thermal resistance. The common use of potential friable (breakable by hand) ACMs in construction voluntarily stopped in the mid-1970s. Given the likely age of several of the buildings located on the site there is potential for ACMs to be present.

### Ozone-Depleting Substances

Commonly used equipment that could potentially contain ozone-depleting substances include aerosols, foam plastics, dry cleaning equipment, refrigeration systems, air conditioning units and some portable fire extinguishers.

During the site reconnaissance none of the buildings were accessed except for equipment storage. Therefore no air conditioning units and refrigeration systems were observed, although possibly present. Therefore, it is possible for ozone-depleting substances to be present.

### Radioactive Material

No radioactive materials were observed at this site.

#### 5.2.10 Surrounding Land Use

During the site reconnaissance it was observed that the surrounding land uses generally consist of agricultural land.

### **5.3 Walmsley Research Farm**

#### 5.3.1 Site Description

The Walmsley Research Farm is located at 31790 Walmsley Avenue, Abbotsford, B.C. (Figure 2) and covers an area of approximately 2 hectares.

The Walmsley Research Farm is bounded by Walmsley Avenue to the north, Abbotsford Airport to the east and south and agricultural properties to the west. The Walmsley Research Farm consists of office building, equipment storage shed, pumphouse, greenhouse, various storage buildings (e.g., fuel, paints, pesticides) and surrounding fields. A current plan of the Walmsley Research Farm showing the location of the existing buildings and fields is presented in Figure 6. A summary of buildings on the Walmsley Research Farm is presented in Table 14.

**Table 14 - Walmsley Research Farm Building Description**

<b>Building Number</b>	<b>Building Name</b>	<b>Year Built</b>	<b>Square Metres</b>	<b>Status</b>
Unknown	Trailer	1988	93	Existing-In Use
61	Equipment Storage	1977	167	Existing- In Use
Unknown	Pumphouse		6	Existing- In Use
Unknown	Pesticide Storage		10	Existing
62	Screenhouse	1981	167	Existing –In Use
63	Screenhouse	1981	167	Existing – In Use
64	Screenhouse	1981	167	Existing- In Use
66	Screenhouse	1981	167	Existing – In Use
70	Screenhouse	1981	167	Existing – In Use
67	Storage		27	Existing – In Use
Unknown	Fuel Storage		5	Existing (no longer used for fuel)

### 5.3.2 Site Operations

The leasing documentation dated June 1967 indicates that the purpose of the land leased was for the cultivation of strawberries and other ground crops for research purposes. During the site reconnaissance it appears that the growing of crops at the Walmsley RF is no longer undertaken, and the buildings located on the site are generally empty and disused.

### 5.3.3 Waste Management and Handling

Due to the Walmsley RF largely being vacant and disused at the time of the site reconnaissance, waste management and handling was not observed. The Site Representative was unaware of past or current practices at the Site.

### 5.3.4 Herbicides, Pesticides and Fertilizers

Based on the site reconnaissance and the review of available information, one building was dedicated to the storage of pesticides and fertilizers at the Walmsely RF. Given the purpose and use of the Walmsely RF for agriculture research, pesticides and fertilizers were likely used. Correspondence with those familiar with the site indicated that both liquid and powder forms of fertilizers was stored in this storage facility, although quantities and types could not be identified. In addition to this storage facility being used for the storage of fertilizers it was also used for the storage of paint.

### 5.3.5 Storage Tanks

During the site reconnaissance, no underground or aboveground storage tanks were observed at the Walmsely RF, however, a disused fuel storage cabinet was observed near one of the buildings. The site representative indicated that the position of the fuel storage cabinet at the time of the site reconnaissance was not its original location, no other information was available.

A report prepared by Pottinger Gaherty (2000) indicated that at the time of the assessment the storage shed was no longer used for fuel storage. Analysis of three soil samples collected indicated that one soil sample collected below the door of the shed exceeded the applicable criteria. This area was subsequently remediated. Remediation involved the removal and disposal off site of the impacted soil. Confirmatory samples from the base of the excavation were collected and submitted to the laboratory for analysis. Both samples reported concentrations less than the detection limits.

### 5.3.6 Chemical Storage

During the site reconnaissance, no chemical storage facility was identified.

### 5.3.7 PCB Storage

During the site reconnaissance, no PCB storage facility was identified.

### 5.3.8 Discharges, Releases and Staining

During the site reconnaissance, surficial staining was observed within the fertilizer and paint storage facility and equipment shed.

### 5.3.9 Natural Environment Receptors

#### Wetlands

No wetlands were observed on or in the vicinity of the site at the time of the site reconnaissance.

#### Surface Water

A number of small water bodies exist in the vicinity of the research farm. Two unidentified water bodies are located to the north of the research farm, while Laxton Lake is located approximately 1.2 km to the south and Fishtrap Creek is located approximately 2.5 km to the west of the site.

### 5.3.10 Site Specific Environmental Issues

#### Lead-Based Paint

Although lead-based paints were banned from uses on exterior or interior surfaces of buildings, furniture, or household products in the 1970s, various commercial paints are still known to contain lead in concentrations greater than the 0.5 percent weight to weight of lead (e.g., road paint). Given the likely age of several of the buildings located on the site there is a relatively low potential for lead-based paints to be present.

#### Asbestos-Containing Materials

Asbestos-containing materials (ACMs) can be found in plaster, mechanical insulation, gaskets, thermal insulation on pipes, refractory material, roofing felts, floor tiles, ceiling tiles and parings, heat resistant panels, incandescent light fixture reflector plates and any other material requiring a high degree of durability and/or thermal resistance. The common use of potential friable (breakable by hand) ACMs in construction voluntarily stopped in the mid-1970s. Given the age of the buildings located on the site ACMs are not likely present.

#### Ozone-Depleting Substances

Commonly used equipment that could potentially contain ozone-depleting substances include aerosols, foam plastics, dry cleaning equipment, refrigeration systems, air conditioning units and some portable fire extinguishers.

During the site reconnaissance no air conditioning units and refrigeration systems were observed, although possibly present. Therefore, it is possible for ozone-depleting substances to be present.

#### Radioactive Material

No radioactive materials were observed at this site.

### 5.3.11 Surrounding Land Use

During the site reconnaissance it was observed that the surrounding land uses generally consisted of industrial (e.g., airport) and agricultural land.

## **6.0 SUMMARY OF AREAS OF POTENTIAL ENVIRONMENTAL CONCERN**

Based on the information obtained during the Phase I ESA, the following Areas of Potential Environmental Concern (APECs) at the three sites are summarized in the following sections.

### **6.1 Agassiz Site**

#### Areas of Potential Environmental Concern (APECs)

The APECs identified at the Agassiz Site, Farm 1 (Figure 7) and Farm 2 (Figure 8) based on the review of available documentation and the site reconnaissance includes:

- **APEC 1 – Building 37**

Documentation indicates that Building 37 (Farm 1) was used for the storage of pesticides and the preparation (including weighing and measuring of herbicides, fungicides and insecticides) of chemicals for field plot and greenhouse experiments. A previous investigation undertaken in the vicinity of the building was limited and did not assess for the presence of pesticides.

- **APEC 2 – Former Landfill (near Building 54)**

Documentation indicated that materials disposed of in the former landfill located in the vicinity of Building 54 (Farm 1) included construction waste and domestic refuse prior to the 1960s. It is possible that construction waste such as paint and solvent may have been disposed of in this area. No intrusive investigations have previously been conducted for this APEC.

- **APEC 3 – Groundwater Condition beneath Farm 1**

Based on previous assessments undertaken across the site and review of historical documentation, pesticides and fertilizers have been used to varying extents across the site. Previous investigations have indicated the presence of pesticides and nutrients (on occasion at elevated concentrations) in the groundwater.

- **APEC 4 – Sewage Treatment Equipment**

A sewage treatment facility was present on Farm 2 that was considered likely to have been associated with the past use of the area for correctional services. Based on its location and the former use of the area, it is assumed that it was used for domestic (human) purposes only, although no further information was available.

### Other Issues

Based on the site reconnaissance and review of available documentation the following issues were identified. These issues may have been concerns that are now resolved or require ongoing or future management.

- Storage Tanks

There is limited available information on the six heating oil USTs removed in 1986. If excavation work is completed on the Site, a contingency plan for handling of potential odorous and/or stained soils should be developed.

- Waste Pesticide AST

Water was observed in the secondary containment beneath the waste pesticide AST. A management plan should be implemented to prevent the accumulation of rain water in the secondary containment.

- Pesticide/Fertilizer Storage

Buildings 37, 58, 73 and the current facility have stored pesticide and/or fertilizer at the site. Golder completed an assessment of Building 58 in 1994 and 1998, it was recommended that no further assessment be undertaken at the time of this assessment. Building 73 was used for the storage of dry fertilizers only; it was therefore recommended that no further assessment be undertaken of the area. No further assessment of the current facility was recommended given its more recent history and management. During the assessment it was indicated that pesticides and fertilizers may have been prepared in the vicinity of the greenhouses/screenhouses. However, based on discussions with the Client and Site Representatives it was indicated that the mixing of these compounds would be minimal in these area and that no investigation was required at this time.

- Chemical Storage

Information on chemicals stored and discharged prior to 1971 is limited. If excavation work is completed on the Site, a contingency plan for handling of potential odorous and/or stained soils should be developed.

- PCB Storage

During the assessment it was identified that Building 73 was used for the storage of PCBs prior to its use for the storage of fertilizers. Based on discussion with site personnel it was indicated that the building was used for a short period of time to store ballasts containing PCBs in a drum. On this basis, no investigation was required.

- Waste Disposal

A number of waste disposal sites were identified. The former landfills assessed in 1994 were not assessed further as part of this assessment. The active landfill was not assessed, based on discussions with site personnel regarding the types of waste disposed at this location.

- Radioactive Material

Radioactive Material was identified during the site reconnaissance associated with three density and/or moisture gauges. Two of the gauges are portable, while one is stationary. It was indicated that the site is licensed for these and they are routinely inspected. No further action was recommended.

- Potential Presence of Lead-Based Paints and Asbestos-Containing Materials

Based on the age of many of the buildings located at the site and an assessment undertaken by AGRA Earth and Environmental Ltd. (1996) presence of lead-based paints and asbestos-containing material were identified. If existing buildings are to be demolished or refurbished in the future, a specific hazardous building materials survey should be undertaken to assess the potential risk associated with these materials.

- Incinerator

An incinerator was present on Farm 2, likely associated with the past use of the area for correctional services. If ash is observed during future works at the site, handling and disposal should consider the potential for the presence of metals in the waste.

## 6.2 Clearbrook Research Farm

### Areas of Potential Environmental Concern (APECs)

No APECs were identified at the Clearbrook Research Farm during this assessment.

## Other Issues

Based on the site reconnaissance and review of available documentation the following issues were identified. These issues may have been concerns that are now resolved or require ongoing or future management.

- **Storage Tanks**

During the site reconnaissance an aboveground storage tank was observed for the storage of diesel. It was indicated that this tank had recently replaced the previous AST. An assessment of the previous AST was undertaken by Pottinger Gaherty in 2000. Based on the assessment undertaken in 2000, no further assessment was recommended.

- **Pesticide/Fertilizer and General Chemical Storage**

During the site reconnaissance the storage of pesticides, fertilizers and general chemicals was observed in a portion of the equipment shed on the site. Given that information for the site did not indicate any major spills or incidents no further was recommended.

- **Potential Presence of Lead-Based Paints and Asbestos-Containing Materials**

Based on the age of the buildings located on the site lead-based paints and asbestos-containing materials may be present. If renovations or demolitions are planned, a hazardous building material survey should be completed.

### **6.3 Walmsley Research Farm**

#### Areas of Potential Environmental Concern (APECs)

The APECs identified at the Walmsley Research Farm (Figure 9) based on the review of available documentation and the site reconnaissance includes:

- **APEC 5 – Equipment Storage Shed**

The dirt floor of the equipment shed was observed to have surficial hydrocarbon-like staining. No previous investigations are known to have been undertaken in this area.

- **APEC 6 – Pesticide, Fertilizer and Paint Storage**

Staining was observed on the floor of the pesticide, fertilizer and paint storage shed. No previous investigations are known to have been undertaken in this area.

#### Other Issues

Based on the site reconnaissance and review of available documentation the following issues were identified. These issues may have been concerns that are now resolved or require ongoing or future management.

- **Fuel Storage**

During the assessment it was indicated that fuel was stored in a shed located at the site. At the time of the assessment, the shed was no longer used for fuel storage and had been moved from its original location. A report prepared by Pottinger Gaherty in 2000 indicated that an assessment of soil in the vicinity of the former fuel shed location resulted in the remediation of impacted soil beneath the door of the shed. No further assessment was recommended.

- **Potential Presence of Lead-Based Paints and Asbestos-Containing Materials**

Given the age of the buildings at the site, it was considered unlikely for lead-based paints and asbestos containing materials to be present.

## **7.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT**

### **7.1 Scope of Work**

A Phase II ESA was conducted at the site to assess the potential for subsurface contamination due to each of the Areas of Potential Environmental Concern (APECs) identified in Section 5.4, and to assess the potential contaminants of concern (PCOCs). The scope of work for the investigation included the following:

- APEC 1 – Sampling and analysis for pesticides of three groundwater monitoring wells previously installed in the vicinity of Building 37.
- APEC 2 - Drilling of three boreholes to a depth of 10 metres below ground surface in the vicinity of the former landfill. Each of the boreholes completed with a groundwater monitoring well. Developing and sampling wells for the analysis of pesticides, PCB, metals, petroleum hydrocarbons, nitrate and nitrite.
- APEC 3 - Sampling of ten groundwater monitoring wells across the site (including two in the vicinity of the manure and composting facilities, identified in the Golder 1994 report) for the analysis of nitrate and nitrite. In addition to these wells, sampling the two drinking water wells with analyses for pesticides, metals, dissolved anions and physical tests (e.g., colour, conductivity, dissolved solids, total hardness, pH and turbidity).
- APEC 4 – Collecting three soil/sludge samples from the sewage treatment sludge stockpile located on Farm 2 and be submitted for metal analysis.
- APEC 5 - Collecting two surface soil samples within the equipment storage shed located at the Walmsley Research Farm. Analysis of the samples for metal and petroleum hydrocarbon.
- APEC 6 - Sampling of the existing groundwater well located on the Walmsley Research Farm site for pesticide, nitrate and nitrite analysis.
- APEC 1 to 6 - Comparison of the soil and groundwater analytical results to the appropriate provincial and federal standards for the subject site, to assess if further investigation or remediation of the site is warranted.
- APEC 1 to 6 - The preparation of this report.

## 7.2 Regulatory Framework

### 7.2.1 General

The Agassiz Site, Clearbrook RF and Walmsely RF are located on federally-owned lands and, therefore, federal environmental legislation and criteria are applicable. Where federal criteria have not been developed and for reference, federal land is also assessed with respect to provincial standards. For federal lands, the Canadian Council of Ministers of the Environment (“CCME”) has defined Environmental Quality Guidelines (EQGs) for soil, sediment and surface water to assess chemical impacts. These guidelines are presented in a CCME compendium document titled *Canadian Environmental Quality Guidelines* (CCME 1999, last revision 2002).

The primary land use at the research station is agricultural in nature, supporting numerous plots. However, some areas on the Site, such as administration, laboratories, other buildings, and roadways, could also be identified to support commercial land uses. As such, analytical results have been primarily compared to agricultural criteria, with comparison to commercial criteria used where applicable.

### 7.2.2 Soil

CCME (1999) soil quality guidelines are divided into categories based on land use. The categories provided include: agricultural, residential/park, and commercial/industrial. The current and planned land use at the Site is agricultural, with some commercial land use noted. Therefore, the agricultural and commercial CCME guidelines were applied to soil samples collected at the Site. The CCME (1999) soil quality guidelines are matrix numerical soil standards which are risk-based and are available for specific human and/or ecological exposure pathways (e.g., soil ingestion by humans, groundwater flow to surface water used by aquatic life). In situations where CCME (1999) does not have a soil quality guideline, the CCME (1991) Interim Remediation Criteria were consulted. The CCME (1991) interim remediation criteria were used prior to 1996/97 when the new protocol for deriving Canadian Soil Quality Guidelines was developed and implemented (CCME 1996; 1997). For the present assessment, the 1991 CCME interim criteria were only used in the absence of a CCME 1999 soil quality guideline.

CCME (2001) published Canada-Wide Standards for Petroleum Hydrocarbons in soil (CWS PHC). The CWS PHC are 3-tiered, matrix and risk based remedial standards developed for residential/parkland, commercial and industrial land use. They include pathway-specific standards for human health and for ecological receptors. Tier 1 levels were considered applicable to the Site, and are based on fine-grained and coarse-grained surface soils (less than 1.5 m depth). In addition, generic standards for petroleum hydrocarbons in soil were also considered applicable for both fine-grained and coarse-

grained soils located at depths greater than 1.5 m below ground surface. For the purpose of this investigation, as both fine-grained and coarse-grained soils at surface and at depth were identified on the Site, the most conservative of the Tier 1 and Generic Standards was applied, and consisted of standards based on coarse-grained surface soils. As areas of the Site are used for both agricultural and commercial purposes, analytical results were compared to the most conservative standards for both agricultural and commercial standards, for the following applicable Site exposure pathways: i) soil ingestion; ii) dermal contact; iii) vapour inhalation; iv) protection of groundwater for aquatic life; and v) eco soil contact.

The hydrocarbon ranges for extractable petroleum hydrocarbons in soil, as defined by the CWS PHC, are slightly different than the ranges defined by the B.C. Contaminated Sites Regulation (CSR) [e.g., the CSR uses LEPH (C10 to C19) and HEPH (C19 to C32) and the CWS PHC uses Fraction 2 (C10 to C16) and Fraction 3 (C16 to C34)]. Although they are not directly comparable, the CWS PHC were used as a screening tool for LEPH and HEPH to assess the measured concentrations.

In British Columbia, environmental matters pertaining to contaminated sites generally fall under the jurisdiction of the Ministry of Water, Land and Air Protection (MWLAP), pursuant to the Waste Management Act (RSBC, 1996). The two key regulations under the Waste Management Act relating to the assessment and remediation of contaminated sites are the Contaminated Site Regulations (CSR) (BC Reg. 375/96) and the Special Waste Regulation (SWR) (BC Reg. 63/88). The CSR soil standards are divided into five categories based on land use. The land use categories include: agricultural, urban park, residential, commercial, and industrial. The primary current use of the land at the Site is considered to be agricultural, with some commercial land uses also noted. Therefore, the CSR agricultural land use (AL) standards, and commercial land use (CL) standards (where applicable) were applied to soil samples collected at the Agassiz Site and Walmsley RF.

The CSR criteria include generic and matrix based standards; the matrix based standards vary depending on site specific standards. The following site specific factors apply to the sites:

- intake of contaminated soil (applicable at all sites);
- groundwater used for drinking water (drinking water wells are located on the Site);
- toxicity to soil invertebrates and plants (applicable at all sites);
- livestock ingesting soil and fodder (the site is used to raise cattle);

- groundwater flow to surface water used by aquatic life for Farm 2 (a stream is adjacent and through Farm 2 but is about 1.5 km downgradient of Farm 1 at Agassiz), Walmsley RF (two unidentified water bodies are within 1 km), and Clearbrook RF (Laxton Lake is within 1 km);
- groundwater used for livestock watering (groundwater is drawn for livestock); and
- groundwater used for irrigation watering (groundwater is drawn for irrigation).

### 7.2.3 Groundwater

CCME has water quality standards protective of aquatic life; however, they are intended for assessing surface water quality rather than groundwater. Environment Canada and MWLAP agree with the concept that groundwater would generally be diluted by a factor of 10 upon discharge to a receiving environment. In situations where the receiving water is large relative to the flux of groundwater, groundwater quality data may be compared to provincial CSR standards that already incorporate the 10 fold factor and modified CCME guidelines (i.e., multiplied by a factor of 10). This is the approach that was undertaken in this investigation.

The CSR specifies numerical water quality standards that are used for the evaluation of chemical conditions in groundwater. The water standards are risk-based and pertain to specific uses (*e.g.*, aquatic life, irrigation, livestock and drinking water). Based on potential water uses, all water standards were applicable for Farm 2 at Agassiz, Clearbrook and Walmsley Site. For Farm 1 at Agassiz, the aquatic life standards do not apply due to the distance to aquatic habitat. The irrigation, livestock and drinking water standards apply at these sites. The CSR standard for LEPHw was conservatively applied to EPH (C<sub>10</sub>-C<sub>19</sub>) data.

## 7.3 Methodology

The Phase II ESA field investigation was undertaken at the Agassiz Site and Walmsley Research Farms during the period of January 29, 2004 to February 5, 2004. The field investigation consisted of locating and identifying underground utilities, borehole drilling and monitoring well installation, sampling existing and new groundwater monitoring wells, soil investigation and the chemical analyses of selected soil and groundwater samples.

### 7.3.1 Underground Utility Locates

On January 29, 2004 Ms. Tamra Reynolds of Golder Associates Ltd. and Mr. Lorne Premeau of AAFC identified the proposed borehole locations with respect to underground utilities based on service plans held at the site.

### 7.3.2 Borehole Drilling Program

Three boreholes (MW04-1 to MW04-3) within the former landfill area in the vicinity of Building 54, were drilled as part of the Phase II ESA. The boreholes were drilled by Sonic Drilling Ltd. on January 29, 2004 using a sonic rig. The boreholes were drilled to a depth of approximately 10 metres below the surface level, with each borehole completed with a monitoring well.

Monitoring wells were constructed of washed and wrapped 50 mm diameter, flush threaded, Schedule 40 PVC casing with a 3 m long 10 slot PVC screen. The annular space around each well was backfilled with clean silica sand and the installation was sealed above the sand pack to prevent the sand pack from acting as a vertical pathway for the potential downward migration of surficial contamination sources. The monitoring wells were completed above the ground surface using a steel well box placed in concrete. Details of soil conditions encountered during drilling and monitoring well construction are provided on the Record of Borehole Logs in Appendix IX. The Agassiz Site Farm 1 investigation locations are shown on Figure 10.

Soil sampling was conducted during the drilling program by collecting soil samples at regular depth intervals from the soil core. Sampling methodologies are presented in the following sections.

The rationale for the borehole/monitoring well locations in APEC 2 area is as follows:

- MW04-1 was drilled to assess soil and groundwater conditions in what is considered to be the centre of the former landfill.
- MW04-2 was drilled to assess soil and groundwater conditions down-gradient of the former landfill.
- MW04-3 was drilled to assess soil and groundwater conditions up-gradient of the former landfill.

### 7.3.3 Soil Sampling Program

Procedures employed regarding the sampling of soil were consistent with generally accepted industry standards and with the CSR “Guidance on Contaminated Sites – Site Characterization and Confirmation Testing (SCCT)”. The samples collected were discrete samples, classified as material that satisfies the following criteria:

- Collected from similar in situ fill or soil at one location;
- Confined to a collection within a contiguous volume of one cubic metre;
- Collected over a maximum depth of 0.5 metres within the soil face;
- Not collected from two distinct fill or soil zones;
- Not collected on two sides of a saturated/unsaturated interface; and
- Not made up of a mixture of obviously contaminated material and non-contaminated material as determined from field observations.

Soil samples were collected throughout the borehole drilling program at regular depth intervals from the soil core. Three surficial soil samples were collected from within the sludge stockpile in the vicinity of the sewage treatment equipment on Farm 2 (Figure 11). Two surficial soil samples were collected from within the equipment storage shed (Figure 9) located on the Walmsley Research Farm. Sampling equipment used during the soil sampling program consisted of disposable latex gloves, stainless steel sampling spoons and bowls. To minimize the potential for cross-contamination of samples, all equipment was washed with laboratory grade detergent between each sampling event and rinsed with distilled water.

All collected soil samples were immediately split into duplicate halves. One half was placed into clean 125 mL glass jars, provided by the analytical laboratory, with minimum headspace and then sealed. The second half was placed in a 250 mL glass jar with nominal headspace and covered with aluminium foil and a teflon-lined lid. The 250 mL sample was allowed to warm up to room temperature prior to measuring the organic vapour concentrations in the head space. In conjunction with field observations of odours and staining, organic vapour measurements provide an indication of the presence of hydrocarbons and a relative measure of the concentration of volatile hydrocarbons in soil. Vapour readings were measured using a Photoionization Detector (PID), calibrated to 100 ppm isobutylene.

Selected soil samples in the 125 mL were submitted to ALS Environmental Ltd. (ALS), of Vancouver, B.C., for chemical analyses.

#### 7.3.4 Groundwater Sampling Program

Groundwater samples were collected as part of the Phase II ESA from selected monitoring wells at the site to characterize the groundwater conditions associated with the issues of environmental concern at the Agassiz Site and Walmsley Research Farm.

Prior to groundwater sampling, approximately six well volumes were purged from each well (existing and new wells) to develop the filter sand pack surrounding the annulus of the well. Development of the sand pack is completed to render the purge water free of sediment and non-formation water introduced during drilling. The purging of the wells was done using a dedicated WaTerra® inertial purging apparatus. On January 29, 2004 selected monitoring wells (MW13-D, MW25, MW04-1, MW04-2 and MW04-3) were developed and subsequently sampled on February 5, 2004. The following monitoring wells were sampled on February 5, 2004 (MW10, MW8, Pumphouse 1 (PH1), Pumphouse 2 (PH2) and the Abbotsford Pumphouse). Selected samples were analysed for nitrate, nitrite, metals, pesticides (organochlorine and organophosphate), physical tests (colour, conductivity, dissolved solids, total hardness, pH and turbidity) and dissolved anions. Field measurements of pH, temperature and conductivity of groundwater were recorded at the time of sampling. All samples were collected and stored in laboratory prepared and supplied containers and delivered to ALS for analysis and/or storage.

#### 7.3.5 Chemical Analyses

##### Soil Samples

Collected soil samples were submitted to ALS in Vancouver, B.C. in chilled coolers under chain-of-custody protocols for possible chemical analyses. A total of 25 soil samples (collected during the drilling and surficial soil program) were collected. Five soil samples were submitted to ALS for the following analyses:

- Three samples were submitted for metal analyses; and
- Two samples were submitted for metal and petroleum hydrocarbon analyses.

Analytical results for soil collected during the Phase II ESA are summarized in Table 15 and the ALS laboratory reports are included in Appendix X.

### Groundwater Samples

Groundwater samples collected were submitted to ALS in chilled coolers under chain-of-custody protocols for possible chemical analyses. Three groundwater samples were collected from the three drinking water wells located on the Agassiz Site and Walmsley Research Farm for the following analyses:

- Pesticides (organochlorine and organophosphate);
- Metals;
- Physical tests (colour, conductivity, dissolved solids, total hardness, pH, turbidity); and,
- Dissolved anions.

Four groundwater samples collected from monitoring wells in various areas of the Agassiz Site were analysed for:

- Nitrate and nitrite.

The three groundwater samples collected from the monitoring wells installed in January 2004 at the Agassiz Site were analysed for:

- Pesticides (organochlorine and organophosphate);
- Nitrate and nitrite;
- Polychlorinated biphenyls;
- Metals; and
- Petroleum hydrocarbons.

Analytical results for groundwater collected during the Phase II ESA are summarized in Table 16 and the ALS laboratory reports are included in Appendix X.

### 7.3.6 Quality Assurance/Quality Control

A quality assurance and quality control program (QA/QC) was conducted concurrently with the chemical analysis of the groundwater program. The QA/QC program consisted of the analysis of duplicates, spike recovery, and standard reference materials, where applicable.

## **8.0 RESULTS OF SOIL ASSESSMENT**

### **8.1 Site Condition**

A summary of the soil stratigraphy observed during the assessment of APECs 2, 4 and 5 is provided in the following sections. The detailed stratigraphy encountered at the sample locations investigated for APEC 2 is presented in borehole logs included in Appendix IX.

#### **8.1.1 APEC 2 – Former Landfill (near Building 54) (Agassiz Farm 1)**

The site conditions observed in this area during the assessment consisted generally of inferred natural soil of sand and gravel underlain by gravel. No fill was observed during this assessment at the three locations investigated.

#### **8.1.2 APEC 4 – Sewage Treatment Facility (Agassiz Farm 2)**

The sludge stockpile located to the south of the sewage treatment facility consisted of very loose moist organic matter with a consistency of grass clippings.

#### **8.1.3 APEC 5 – Equipment Shed (Walmsley)**

The site conditions observed within the equipment shed at the Walmsley Research Farm at the surface consisted of dense damp, dark brown sand and gravel. Olfactory indications of hydrocarbon-like contamination were not observed.

### **8.2 Field Observations**

During the assessment, a semi-quantitative assessment of volatile vapours was made thorough the use of a Photoionization Detector (PID) in the field. In addition to these measurements, visual and olfactory evidence suggestive of contamination during the collection of soil samples was recorded on each of the logs. Based on our review of the information collected during the assessment, no visual or olfactory evidence was recorded suggestive of contamination, with the exception of APEC 5. Visual observation of staining was observed within the Equipment Shed during the assessment (APEC 5).

### **8.3 Comparison of Chemical Testing Results with Assessment Criteria**

#### **8.3.1 APEC 2 – Former Landfill (near Building 54, Agassiz Farm 1)**

As part of this assessment soil samples were collected during the drilling program. However, none of the soil samples collected was submitted to the laboratory for analysis as there were no visual or olfactory indications of fill or contamination.

### 8.3.2 APEC 4 – Sewage Treatment Facility (Agassiz Farm 2)

As part of this APEC assessment, three samples were collected from the sludge stockpile located near the sewage treatment facility on Farm 2. Each of the samples was submitted to the laboratory for metal analysis.

The chemical testing results have been compared to the CCME guideline for agriculture use and the CSR AL standards. The analytical results are presented in Table 15.

The chemical testing results indicated that the chemical concentrations were below the applicable CCME AL guidelines and CSR AL standards, except for the concentration of molybdenum at one location sampled. The concentration of molybdenum (5.7 µg/g) detected exceeded the CCME AL guideline and CSR AL standard for molybdenum of 5 µg/g.

### 8.3.3 APEC 5 – Equipment Shed (Walmsley)

Two soil samples were collected from within the Equipment Shed located at the Walmsley Research Farm. Each of the samples was submitted to the laboratory for metal and petroleum hydrocarbon analysis.

For metals, the chemical testing results were compared to the CCME guideline for agriculture use and the CSR AL standards. Results for petroleum hydrocarbons have been compared to the CWS-PHC standards. The analytical results are presented in Table 15.

The chemical testing results indicated that the concentration of cadmium in both samples exceeded the CCME AL criteria and CSR AL standard. However, the concentration of cadmium detected in the two soil samples was below the CCME CL criteria.

The concentration of petroleum hydrocarbons (Fraction 3 C<sub>16-34</sub>, 1780 µg/g) in one of the samples (Sa1) exceeded the CWS PHC standard of 800 µg/g for Agricultural land Eco-Soil contact, but was below the standard for Commercial land use (2500 µg/g). The concentration also exceeded the CSR AL HEPH standard but was less than the CL standard.

## 8.4 Assessment of Soil Data Quality

Based on the limited number of soil samples collected and analysed as part of this assessment, no field duplicates were submitted to the laboratory for analysis.

## 9.0 RESULTS OF GROUNDWATER ASSESSMENT

### 9.1 Groundwater Well Locations and Installation

#### 9.1.1 APEC 1 – Building 37 (Agassiz Site Farm 1)

As part of this APEC assessment, three groundwater monitoring wells previously installed by Golder in 1994 were to be located and sampled. During the field investigation it was identified that MW4 appeared to have been filled with dirt and MW5 and MW6 had been constructed over and now laid beneath an asphalt covered parking area. Therefore these wells could not be sampled. No other wells were identified in the vicinity that could be sampled and analysed as an alternative.

#### 9.1.2 APEC 2 – Former Landfill (near Building 54) (Agassiz Site Farm 1)

Golder installed three groundwater monitoring wells across the former landfill area in January 2004. Table 17 provides a summary of the installation details of these wells and Figure 10 illustrates the location of each of the wells. The description of the materials used in the construction of each of the wells is provided in Section 6.3.2. The monitoring well construction details are included in the borehole logs included in Appendix IX.

**Table 17 – Summary of Well Construction Details by Golder (2004)**

Location	Well	Installation Date	Depth of Well from TOC (mbgs)	Bentonite Seal Interval (mbgs)	Slotted Screen Interval (mbgs)
Former Landfill	MW04-1	29/01/04	10	5.8-6.7	7-10
Former Landfill	MW04-2	29/01/04	10	5.8-6.7	7-10
Former Landfill	MW04-3	29/01/04	10	5.8-6.7	7-10

Note: TOC = Top of Casing; mbgs = metres below ground surface

#### 9.1.3 APEC 3 – Use of Pesticides and Fertilizers Across the Site (Agassiz Site)

A part of this APEC assessment, Golder proposed to sample wells (including the drinking wells) that had been previously installed as part of other assessments undertaken at the Agassiz Site. Golder had initially proposed to locate and sample ten previously installed groundwater monitoring wells (MW2, MW5, MW8, MW10, MW13-S, MW16-D, MW17, MW18, MW25 and MW26), excluding the drinking water wells. However, during the field investigation a number of the wells could not be located due to site conditions (e.g., snow cover) and changes in building configurations (e.g., new structures,

old structures demolished) or they had been damaged. Therefore as part of this APEC assessment the groundwater wells sampled included MW8, MW10, MW13-D and MW25. Table 18 provides a summary of the installation details of the wells previously installed at the site for other assessments. A copy of the borehole logs and monitoring well installation details provided from the previous assessment is included in Appendix XI.

**Table 18 – Summary of Well Construction Details of Previously Installed Wells**

Well	Installation Date	Depth of Well from TOC (m)	Bentonite Seal Interval (m)	Slotted Screen Interval (m)
MW8	10/12/92	4	0.2-1.5	1.8-4
MW10	03/12/92	3.96	0.2-1	1.9-3.96
MW13-D	07/01/93	11.6	6.4-8	8.4-11.6
MW25	04/12/92	3	0.2-1	1.2-2.4

In addition to sampling existing groundwater monitoring wells the two drinking water wells located on the site were also sampled. Installation details of the drinking water wells obtained from the MWLAP Groundwater database indicates that each of the wells is 0.25 metre (10 inch) diameter and the depth of the wells ranges from 62.5 metres (205 feet) to 64.9 metres (213 feet). Stratigraphy was also obtained from the database and is included in Appendix XI.

#### 9.1.4 APEC 6 – Pesticide, Fertilizer and Paint Shed (Walmsley RF)

As part of this APEC assessment, Golder sampled the existing well on the Research Farm. Installation details of the existing well was obtained from the MWLAP Water Well database and indicates that the well is 0.2 metre (8 inch) diameter with a depth of 28.3 metres (87 feet) below the surface level. Stratigraphy was also obtained from the database and is included in Appendix XI.

## 9.2 Field Observations

During the development and/or sampling of each of the wells, no odours or sheens were observed.

The electrical conductivity (EC) values monitored across the Agassiz Site ranged from 145  $\mu\text{S}/\text{cm}$  to 219  $\mu\text{S}/\text{cm}$ . Groundwater temperature ranged between 5.1°C to 11.3°C. Groundwater pH observed in the wells ranged from 6.13 to 7.51 pH units.

### **9.3 Comparison of Chemical Testing Results with Assessment Criteria**

#### **9.3.1 APEC 2 – Former Landfill (near Building 54) (Agassiz Site Farm 1)**

As part of this APEC assessment, a groundwater sample was collected from each of the monitoring wells and submitted to the laboratory for metal, pesticide, nitrate and nitrite, petroleum hydrocarbon, and physical tests (colour, conductivity, dissolved solids, total hardness, pH and turbidity).

The chemical testing results were compared to the CCME guidelines and CSR standards for irrigation water, livestock water and drinking water use. The analytical results are presented in Table 16.

The chemical testing results indicate that the concentrations of PCOCs were below the applicable guidelines and standards for the analytes tested, except for iron and manganese. The concentration of iron exceeded the CCME and CSR DW guideline (based on aesthetics) of 0.3 mg/L in well MW04-3 (2.16 mg/L) and manganese exceeded the CCME and CSR DW guideline (based on aesthetics) of 0.05 mg/L in all three wells (MW04-1 (3.97 mg/L), MW04-2 (0.378 mg/L) and MW04-3 (1.85 mg/L)).

#### **9.3.2 APEC 3 – Use of Pesticides and Fertilizers Across the Site (Agassiz Site)**

As part of this APEC assessment, a groundwater sample was collected from each of four groundwater monitoring wells previously installed and submitted to the laboratory for nitrate and nitrite analysis. The two drinking water wells were sampled and submitted to the laboratory for nitrate and nitrite, dissolved anions, metals and pesticides.

The chemical testing results have been compared to the CCME guideline and CSR standards for irrigation water, livestock water and drinking water use. The analytical results are presented in Table 16.

The chemical testing results indicate that the concentrations of PCOCs were below the applicable guidelines and standards for the analytes tested, except for manganese. The concentration of manganese exceeded the CCME and CSR DW guideline (based on aesthetics) of 0.05 mg/L in each of the drinking water wells (PH1 (0.387 mg/L) and PH2 (0.953 mg/L)).

### 9.3.3 APEC 6 – Pesticide, Fertilizer and Paint Shed (Walmsley RF)

As part of this APEC assessment, the groundwater well located on the Walmsley RF was sampled and submitted to the laboratory for nitrate and nitrite, physical tests (colour, conductivity, total dissolved solids, hardness, pH and turbidity), dissolved anions, metals and pesticides.

The chemical testing results have been compared to the CCME guideline and CSR standards for aquatic water (freshwater), irrigation water, livestock water and drinking water use. The analytical results are presented in Table 16.

The chemical testing results indicate that the concentrations of PCOC were below the applicable guidelines and standards for the analytes tested, except for the concentration of manganese. The concentration of manganese observed in the drinking water well exceeded the CCME and CSR DW criteria (based on aesthetics) of 0.05 mg/L, the concentration detected in the well was 0.237 mg/L.

## 9.4 Assessment of Groundwater Data Quality

Of the ten groundwater samples collected, one field duplicate was submitted for nitrate, nitrite and pesticide analysis, which meets the 10% field duplicate target. The RPD for nitrite was 70%, exceeding the QA criteria of 50%. However, the concentration of both the original and duplicate sample for nitrite did not exceed the applicable standard. The RPD for nitrate was 1.3%, well within the acceptance criteria. RPDs could not be calculated for pesticides due to the concentrations of all parameters assessed being below the laboratory reporting limits, as shown in Table 19.

## **10.0 DISCUSSION**

### **10.1 APEC 1 – Building 37 (Agassiz Site Farm 1)**

The assessment of groundwater in the vicinity of Building 37 was not undertaken as the wells were either destroyed or inaccessible. No other wells were identified in the vicinity that could be sampled and analysed as an alternative. Based on the assessment undertaken on groundwater in the recently and previously installed wells, contaminants of concern were not detected in groundwater at concentrations indicative of concerns in the Building 37 area. Further investigation has not been recommended based on the groundwater quality observed during the assessment of the four APECs across the site.

### **10.2 APEC 2 – Former Landfill (near Building 54) (Agassiz Site Farm 1)**

The chemical analysis undertaken on the three groundwater samples collected from the wells in the vicinity of Building 53 (former landfill area) indicated that, for the analytes tested, the concentrations were below the applicable guidelines and standards, with the exception of iron in one monitoring well (MW04-3) and manganese in all three monitoring wells, based on aesthetic criteria. The concentrations of iron (2.16 mg/L) and manganese (0.378 mg/L to 1.85 mg/L) detected in the groundwater is comparable to concentrations of iron (0.038 mg to 7.95 mg/L) and manganese (0.064 mg/L to 10.4 mg/L) detected in the 1994 assessment. Based on previous data, the concentrations of detected iron and manganese during this assessment are likely to represent natural background concentrations and therefore are not considered a concern. No further investigations are recommended in this area.

The soil observations indicated that either the landfill was not located in this area or the material landfilled was granular fill. Analysis of water samples from the three monitoring wells located in this area indicated that groundwater has not been impacted by the PCOCs.

### **10.3 APEC 3 – Groundwater Quality Beneath the Site (Agassiz Site)**

The chemical analysis undertaken on the six samples collected from four monitoring wells and two drinking wells located on the site indicated that the concentrations of analytes tested were below the applicable guidelines and standards, except for the concentration of (based on aesthetics). The concentration of manganese (0.387 to 0.953 mg/L) detected in the two drinking water wells exceeds the CCME and CSR DW criteria (based on aesthetics) of 0.05 mg/L. However, based on the assessment undertaken in 1994 by Golder, the concentration of manganese observed is considered likely to represent natural background concentrations. Therefore, no further investigations are recommended for this APEC.

#### **10.4 APEC 4 – Sewage Treatment Facility (Agassiz Site Farm 2)**

The chemical analysis undertaken on the three samples collected from the sludge stockpile indicated that for, the analytes tested the concentrations were below the applicable guidelines and standards, except for molybdenum in one of the samples analysed. The concentration of molybdenum (5.7 µg/g) slightly exceeded the CCME and CSR AL criteria or standard of 5 µg/g. However the concentration was below the CCME Residential/Parkland guideline and CSR Residential and Urban Park standard of 10 µg/g. The slight exceedence of the AL criteria indicates that the soil may not be suitable for agricultural purposes but meets the residential and commercial standards.

#### **10.5 APEC 5 – Equipment Shed (Walmsley RF)**

The chemical analysis undertaken on the two samples collected from the surface soil within the equipment shed indicated that the concentration of cadmium in both samples exceeded the CCME AL criteria and CSR AL standard. However, the concentration of cadmium detected was below the CCME CL criteria. The concentration of petroleum hydrocarbons (Fraction 3) in one of the samples (Sa1) exceeded the CWS PHC standard. Olfactory observations during the assessment did not indicate the presence of hydrocarbon-like odours. The vertical and lateral extent of hydrocarbon contamination was not determined during this assessment.

The concentrations of PCOCs have been compared to guidelines and standards relevant to agriculture use, based on use of the site for agricultural research. However, the Walmsley RF is currently zoned industrial. Therefore if the site was returned to industrial use, the concentrations of petroleum hydrocarbons detected would be below the CWS PHC standard of 2500 µg/g. However, to assess contingent liability if the area was required to be delineated or remediated the estimated area impacted is considered to be shallow and therefore considered to be in the range of five to ten cubic metres.

#### **10.6 APEC 6 – Pesticide, Fertilizer and Paint Shed (Walmsley RF)**

The chemical analysis of the water from the well located at the Walmsley RF indicated that, for the analytes tested the concentrations were below the applicable guidelines and criteria, except for the concentration of manganese. The concentration of manganese (0.237 mg/L) exceeded the CCME DW criteria (based on aesthetics) of 0.05 mg/L. Due to no previous data being available for the drinking well at the site it is difficult to assess whether this is representative of the natural background concentrations. Given that the criteria adopted is based on aesthetic objectives rather than chemical toxicity we recommend that no further investigation be undertaken for this APEC.

## 11.0 NCSCS SITE CLASSIFICATION AND CONTAMINATED SITE ENTRY FORM

The information gathered within this report was used to complete the National Classification System for Contaminated Sites (NCSCS) (CCME 1992), as part of the National Contaminated Sites Remediation Program (NCSRP). The purpose of the NCSCS document is to aid in the evaluation and prioritization of contaminated sites based on current knowledge about the source of contamination, the potential exposure pathways and the use of the Site and adjacent areas by people and wildlife. It is used as a screening method to rank the potential human health and ecological risks for sites, on a preliminary basis, and evaluate whether further action is required.

Based on the Phase II ESA, the NCSCS classification for the APECs at the Agassiz Site and Walmsley Research Farm was calculated as follows:

**Table 20 – NCSCS Classification and Score**

APEC	Score	Category
APEC 4 – Sewage Treatment Equipment	38.3	Class 3
APEC 5 – Equipment Shed	24.7	Class N

According to the NCSCS, a Site classification category of Class 3 indicates that the area is not a high concern, however, action may be required. Class N indicates that the risk potential is low and that action at the Site is not likely required.

A copy of the NCSCS form completed for each of the APECs have been included in Appendix XII. A copy of the AAFC Contaminated Site Summary Form for each of the APECs has been included in Appendix XIII.

In addition to the NCSCS classification and scoring for each of the APECs identified during the Phase I and Phase II ESA for the Agassiz Site and the Walmsley Research Farm the NCSCS classification and scoring for previously assessed areas at the Agassiz Site were reviewed. Only previously assessed areas that had a NCSCS above Class N were reclassified. The review of the NCSCS classification and scoring are summarised in Table 21.

**Table 21 – NCSCS Classification and Score for Previously Assessed Areas at the Agassiz Site**

Area	Class/Score	Date	Class/Score	Date	Class/Score	Date
1-A1 (metal disposal)	3 / 40	1991	3 / 38	1994	N / 24.2	2004
1-A2 (Landfill)	2 / 50	1991	N / 29	1994		
1-A3 (Landfill – APEC 2)	3 / 42	1991			N / 24.2	2004
1-C1 (Compost)	3 / 49.9	1991	N / 37	1994		
1-C2 (Burnables)	3 / 46.6	1991			N / 26.2	2004
1-C3 (Compost)	3 / 46.9	1991			N / 21.2	2004
1-C4 (Manure Storage)	3 / 46.9	1991	N / 34	1994		
1-C5 (Manure Storage)	3 / 48	1991			N / 21.2	2004
1-C6 (Manure Storage)	3 / 48.8	1991			N / 21.2	2004
1-C7 (Manure Storage)	3 / 48.8	1991	N / 37	1994		
1-C8 (Manure Storage)	3 / 48.8	1991			N / 22.2	2004
1-C9 (Compost)	3 / 47.7	1991			N / 26.2	2004
1-C10 (Compost)	3 / 46.7	1991			N / 26.2	2004
1-C11 (Compost)	3 / 47.9	1991			N / 26.2	2004
1-C12 (Compost)	3 / 48.9	1991	N / 37	1994		
1-C13 (Compost)	3 / 47.9	1991	3 / 41	1994	N / 26.2	2004
1-C14 (Agronomy Lab.)	3 / 46.9	1991	N / 32	1994		
1-C15 (Header House)			N / 34	1994		
1-C16 (Poultry Lab.)			N / 35	1994		
1-C17 (Postharvest Lab.)			N / 34	1994		
1-C18 (Entomology Lab.)			N / 29	1994		
1-C19 (Pesticide Building)			3 / 40	1994	N / 22.2	2004

## **12.0 INDICATIVE ESTIMATE OF LIABILITY OR CONTINGENT LIABILITY**

To determine the estimate of liability or contingent liability for the Site, Golder generally followed the *“Policy on Accounting for Costs and Liabilities Related to Contaminated Sites”* as provided in the Terms of Reference. The *“Guidance Document on Accounting for Liabilities Related to Contaminated Sites”*, dated March 23, 2001 (as provided by PWGSC) were also used as a guideline.

At the Walmsley RF, approximately 5 to 10 cubic metres of soil contains cadmium above the CCME AL criteria and CSR AL Standard and Fraction 3 petroleum hydrocarbons above the CWS-PHC standards. The material would be classified as Industrial Fill in British Columbia. The estimated cost for removal, disposal, and confirmatory sampling is \$5,000.

Based on our assessment there are no other indicative estimates of liability or contingent liabilities to be assessed.

## **13.0 CONCLUSIONS AND RECOMMENDATIONS**

At the Agassiz Research Station, the majority of the APECs investigated during the Phase II ESA were not indicated to be contaminated above the applicable standards. The residual sludge from the former sewage treatment plant at Farm 2 slightly exceeded the AL criteria for molybdenum. The sludge may not be suitable for agricultural land use but is suitable for residential or commercial uses.

Soil contamination was identified in APEC 5 (Equipment Shed, Walmsley Research Farm). Additional sampling and analysis could be undertaken at the site or the surficial soil from the floor could be removed and confirmatory samples obtained to assess if additional contamination was present. Based on the soil sampling data, the soil removed should be disposed of as Industrial Fill.

### **Phase I ESA Results**

Based on the information obtained during the Phase I ESA, the following Areas of Potential Environmental Concern (APECs) were identified.

- **APEC 1 – Building 37**

Documentation indicates that Building 37 (Farm 1) was used for the storage of pesticides and the preparation (including weighing and measuring of herbicides, fungicides and insecticides) of chemicals for field plot and greenhouse experiments. A previous investigation undertaken in the vicinity of the building was limited and did not assess for the presence of pesticides.

- **APEC 2 – Former Landfill (near Building 54)**

Documentation indicated that materials disposed of in the former landfill located in the vicinity of Building 54 (Farm 1) included construction waste and domestic refuse prior to the 1960s. It is possible that construction waste such as paint and solvent may have been disposed of in this area. No investigations have previously been conducted for this APEC.

- **APEC 3 – Groundwater beneath Farm 1**

Based on previous assessments undertaken across the site and review of historical documentation, pesticides and fertilizers have been used to varying extents across the site. Previous investigations have indicated the presence of pesticides and nutrients (on occasion at elevated concentrations) in the groundwater.

- **APEC 4 – Sewage Treatment Equipment**

A sewage treatment facility was present on Farm 2 that was considered likely to have been associated with the past use of the area for correctional services. Based on its location and the former use of the area it is assumed that it was used for domestic (human) purposes only.

#### Management Issues

Based on the site reconnaissance and review of available documentation the following “management issues” were identified:

- Storage Tanks

There is limited available information on the six heating oil USTs removed in 1986. If excavation work is completed on the Site, a contingency plan for handling of potential odorous and/or stained soils should be developed.

- Waste Pesticide AST

Water was observed in the secondary containment beneath the waste pesticide AST. A management plan should be implemented to prevent the accumulation of rain water in the secondary containment.

- Chemical Storage

Information on chemicals stored and discharged prior to 1971 is limited. If excavation work is completed on the Site, a contingency plan for handling of potential odorous and/or stained soils should be developed.

- Potential Presence of Lead-Based Paints and Asbestos-Containing Materials.

Based on the age of many of the site buildings located and a previous assessment lead-based paints and asbestos-containing material are present in certain buildings. If existing buildings are to be demolished or refurbished in the future, a specific hazardous building materials survey should be undertaken to assess the potential risk associated with these materials.

- **Incinerator**

An incinerator was present on Farm 2, likely associated with the past use of the area for correctional services. If ash is observed during future works at the site, handling and disposal should consider the potential for the presence of metals in the waste.

### **Clearbrook Research Farm**

Based on the site reconnaissance and review of available documentation the following “management issue” was identified:

- **Potential Presence of Lead-Based Paints and Asbestos-Containing Materials**

Based on the age of the buildings located on the site lead-based paints and asbestos-containing materials may be present. If renovations or demolitions are planned, a hazardous building material survey should be completed.

### **Walmsley Research Farm**

The APECs identified at the Walmsley Research Farm based on the review of available documentation and the site reconnaissance included:

- **APEC 5 – Equipment Storage Shed**

The dirt floor of the equipment shed was observed to have surficial hydrocarbon-like staining. No previous investigations are known to have been undertaken in this area.

- **APEC 6 – Pesticide, Fertilizer and Paint Storage**

Staining was observed on the floor of the pesticide, fertilizer and paint storage shed. No previous investigations are known to have been undertaken in this area.

### **Phase II ESA Results**

A Phase II ESA was conducted at the site to assess the potential for subsurface contamination due to each of the Areas of Potential Environmental Concern (APECs) identified, and to assess the potential contaminants of concern (PCOCs). The Phase II ESA consisted of locating and identifying underground utilities, borehole drilling and monitoring well installation, sampling existing and new groundwater monitoring wells, soil investigation and the chemical analyses of selected soil and groundwater samples.

Based on the assessment undertaken the following summarises the findings:

**APEC 1 – Building 37 (Agassiz Site Farm 1)**

The assessment of groundwater in the vicinity of Building 37 was not undertaken as the wells were either destroyed or inaccessible. No other wells were identified in the vicinity that could be sampled and analysed as an alternative. Further investigation has not been recommended based on the groundwater quality observed during the assessment of the other three APECs across the site.

**APEC 2 – Former Landfill (near Building 54) (Agassiz Site Farm 1)**

The chemical analysis undertaken on the three groundwater samples collected from the wells in the vicinity of Building 53 (former landfill area) indicated that, for the analytes tested, the concentrations were below the applicable guidelines and standards, except for the concentration of iron detected in one of the monitoring wells and the concentration of manganese detected in all three monitoring wells exceeded the CCME DW criteria (based on aesthetics). The concentration observed during this assessment was compared to the investigation undertaken in 1994. The results indicate that the concentrations observed are comparable and considered likely to represent natural background concentrations. The soil observations during the investigation indicate that either the landfill was not located in this area or the material landfilled was granular fill.

**APEC 3 – Use of Pesticides and Fertilizers Across the Site (Agassiz Site)**

The chemical analysis undertaken on the six samples collected from four monitoring wells and two drinking wells located on the site indicated that, for the analytes tested the concentrations were below the applicable guidelines and standards, except for the concentration of manganese. The concentration of manganese in both of the drinking water wells exceeded the CCME DW criteria (based on aesthetics). The concentrations observed during this assessment were compared to the 1994 investigations. The results indicated that the concentrations observed are comparable and considered likely to represent natural background concentrations. Therefore, no further investigations are recommended for this APEC.

**APEC 4 – Sewage Treatment Facility (Agassiz Site Farm 2)**

The chemical analysis undertaken on the three samples collected from the sludge stockpile indicated that the concentration of molybdenum (5.7 µg/g) slightly exceeded the CCME and CSR AL standard of 5 µg/g. However the concentration was below the CCME Residential/Parkland guideline and CSR Residential and Urban Park standard of 10 µg/g. The slight exceedence observed indicates that the soil may not be suitable for agricultural purposes but meets the residential standards.

### **APEC 5 – Equipment Shed (Walmsley RF)**

The chemical analysis undertaken on the two samples collected from the surface soils within the equipment shed indicated that the concentration of cadmium exceeded the CCME and CSR AL standard in both samples. The concentration of petroleum hydrocarbons (Fraction 3) in one of the samples (Sa1) exceeded the CWS-PHC standard. The vertical and lateral extent of this impact was not determined during this assessment.

The concentrations of PCOCs were compared to guidelines and standards relevant to agriculture use, based on use of the site for agricultural research. However, the Walmsley RF is currently zoned industrial. If the site was returned to industrial use, the concentrations of parameters of concern would be below the IL standard. To assess contingent liability if the area was required to be delineated or remediated, the estimated volume of contaminated soil is considered to be shallow and in the range of five to ten cubic metres.

Due to the relatively limited nature of the contamination, we recommend that remedial work (e.g., excavation) be undertaken upon demolishing the equipment shed and/or development in the area.

### **APEC 6 – Pesticide, Fertilizer and Paint Shed (Walmsley RF)**

The chemical analysis of the water from the well located at the Walmsley RF indicated that, for the analytes tested, the concentrations were below the applicable guidelines and criteria, except for the concentration of manganese. The concentration of manganese detected exceeded the CCME DW criteria (based on aesthetics). Given that the criteria is based on aesthetic objectives rather than toxicity objectives we recommend that no further investigation be undertaken for this APEC.

Based on the Phase II ESA, the NCSCS classification for the APECs at the Agassiz Site and Walmsley Research Farm were calculated as follows:

<b>APEC</b>	<b>Score</b>	<b>Category</b>
APEC 4 – Sewage Treatment Equipment	38.3	Class 3
APEC 5 – Equipment Shed	24.7	Class N

In addition to the NCSCS classification and scoring for each of the APECs identified during the Phase I and Phase II ESA for the Agassiz Site and the Walmsley Research Farm the NCSCS classification and scoring for previously assessed areas at the Agassiz Site were reviewed. Only previously assessed areas that had a NCSCS above Class N were reclassified. The review of the NCSCS classification and scoring are summarised below.

Area	Class/Score	Date	Class/Score	Date	Class/Score	Date
1-A1 (metal disposal)	3 / 40	1991	3 / 38	1994	N / 24.2	2004
1-A2 (Landfill)	2 / 50	1991	N / 29	1994		
1-A3 (Landfill – APEC 2)	3 / 42	1991			N / 24.2	2004
1-C1 (Compost)	3 / 49.9	1991	N / 37	1994		
1-C2 (Burnables)	3 / 46.6	1991			N / 26.2	2004
1-C3 (Compost)	3 / 46.9	1991			N / 21.2	2004
1-C4 (Manure Storage)	3 / 46.9	1991	N / 34	1994		
1-C5 (Manure Storage)	3 / 48	1991			N / 21.2	2004
1-C6 (Manure Storage)	3 / 48.8	1991			N / 21.2	2004
1-C7 (Manure Storage)	3 / 48.8	1991	N / 37	1994		
1-C8 (Manure Storage)	3 / 48.8	1991			N / 22.2	2004
1-C9 (Compost)	3 / 47.7	1991			N / 26.2	2004
1-C10 (Compost)	3 / 46.7	1991			N / 26.2	2004
1-C11 (Compost)	3 / 47.9	1991			N / 26.2	2004
1-C12 (Compost)	3 / 48.9	1991	N / 37	1994		
1-C13 (Compost)	3 / 47.9	1991	3 / 41	1994	N / 26.2	2004
1-C14 (Agronomy Lab.)	3 / 46.9	1991	N / 32	1994		
1-C15 (Header House)			N / 34	1994		
1-C16 (Poultry Lab.)			N / 35	1994		
1-C17 (Postharvest Lab.)			N / 34	1994		
1-C18 (Entomology Lab.)			N / 29	1994		
1-C19 (Pesticide Building)			3 / 40	1994	N / 22.2	2004

Based on the assessment undertaken at the Agassiz Research Station and Walmsley Research Farm no further assessment of remediation of APEC 1, APEC 2, APEC 3 or APEC 6 is required at this time.

## **14.0 LIMITATIONS AND USE OF REPORT**

This report was prepared for the exclusive use of the Agriculture and Agri-Food Canada, and is intended to provide an assessment of potential environmental concerns associated with the subject Site. The inferences concerning the Site conditions contained in this report are based on information obtained during the Phase I and Phase II Preliminary Site Investigation conducted by Golder personnel, and are based solely on the condition of the property at the time of the site reconnaissance, supplemented by historical and interview information obtained by Golder, as described in this report. The data presented in this report represent soil and groundwater conditions encountered at the sampling locations tested during this time period. Soil and/or groundwater conditions may vary with location, depth, time, sampling methodology, analytical techniques and other factors. Golder make no warranty, expressed or implied, and assumes no liability with respect to the use of the information contained in this report at the subject Site, or any other site, for other than its intended purpose.

This report was prepared, based in part, on information obtained from historic information sources and interviews. In evaluating the subject Site, Golder has relied in good faith on information provided. We accept no responsibility for any deficiency or inaccuracy contained in this report as a result of our reliance on the aforementioned information.

The findings and conclusions documented in this report have been prepared for the specific application to this project, and have been developed in a manner consistent with that level of care normally exercised by environmental professionals currently practising under similar conditions in the jurisdiction. Golder makes no other warranty, expressed or implied.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Golder accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Golder makes no other representation whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation. These interpretations may change over time, thus Agriculture and Agri-Food Canada should review these issues.

If new information is discovered during future work, including excavations, soil borings, or other investigations, Golder should be requested to re-evaluate the conclusions of this report and to provide amendments, as required, prior to any reliance upon the information presented herein.

This report was not prepared for, and does not contain sufficient information for, the purposes of submission to MWLAP for review under the Contaminated Sites program. The report may not be relied upon by MWLAP or by others, without Golder's expressed written consent.

**GOLDER ASSOCIATES LTD.**



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Table 15. Summary of Soil Analytical Results

	CSR Standard for AL	MCS	CCME Guideline for Agri.	Location SCN Depth (m) Date Sampled QA/QC	Agassiz			Walmsley	
					APEC 4			APEC 5	
					1 8589-01	2 8589-02	3 8589-03	Sa1 8589-04	Sa2 8589-05
					0-0.1 2/5/2004	0-0.1 2/5/2004	0-0.1 2/5/2004	0-0.1 2/5/2004	0-0.1 2/5/2004
<b>Physical Tests</b>									
Moisture %					-	-	-	4.76	4.45
pH					6.41	8.24	8.18	5.81	5.94
<b>Metals</b>									
Antimony	20	G	20		<10	<10	<10	<10	<10
Arsenic	15	DW	12		<5.0	<5.0	<5.0	7.6	5.7
Barium	750	G	750		171	108	111	75.4	72.3
Beryllium	4	G	4		<0.50	<0.50	<0.50	<0.50	<0.50
Cadmium	1.5-3.5	DW	1.4		0.76	<0.50	<0.50	2.01	1.57
Chromium	50	L	64		3.6	<2.0	<2.0	27.5	25.4
Copper	90	AW	63		16.9	9.4	11.9	39.9	59
Cobalt	40	G	40		<2.0	<2.0	<2.0	12.3	7.9
Lead	100-500	DW	70		<50	<50	<50	<50	61
Mercury	0.6	L	6.6		<0.050	<0.050	<0.050	0.086	0.051
Molybdenum	5	G	5		<4.0	<4.0	5.7	<4.0	<4.0
Nickel	150	G	50		5.3	<5.0	<5.0	36.4	22.7
Selenium	2	G	1		[<2.0]	[<3.0]	[<2.0]	[<2.0]	[<2.0]
Silver	20	G	20		<2.0	<2.0	<2.0	<2.0	<2.0
Tin	5	G	5		[<5.0]	[<5.0]	[<5.0]	[<5.0]	[<5.0]
Vanadium	200	G	130		5.5	2.2	3	39.6	43.1
Zinc	150-450	DW	200		80.1	35.6	41.6	167	115
<b>Petroleum Hydrocarbons</b>									
EPH10-19	1000	G	450-900*		-	-	-	240	<200
EPH19-32	1000	G	400-800*		-	-	-	1780	500

## Notes:

1. Results are expressed in micrograms per gram (ug/g).
2. CSR Standards reflect the most conservative value of generic (G), intake of contaminated soil (I), toxicity to soil invertebrates and plants (T), aquatic life (AW), livestock ingestion (L) and drinking water (DW).
3. MCS= Most Conservative Standard
4. LEPH/HEPH criteria used as a conservative screen for EPH10-19 and EPH19-32, respectively.
5. [ ] = detection limits below CSR or CCME standards
6. \* = CSW-PHC dependent on grain size of soil

Table 16. Summary of Groundwater Analytical Results

	SCN Location	QA/QC Date	Agassiz Research Station												
			APEC 3				APEC 2			APEC 3					
			8588-01 MW25	8588-02 MW13-D	8588-03 MW10	8588-04 MW8	8588-06 MW04-01	8588-05 MW04-02	8588-07 MW04-03 FDA	8588-09 PH1	8588-10 PH2				
			2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004		
			<b>CSR Standards</b>		<b>CCME Guidelines</b>										
<b>Physical Tests</b>															
Colour (CU)			-	-	-	-	-	-	-	-	-	<5.0	<5.0		
Conductivity (uS/cm)			-	-	-	-	-	-	-	-	-	262	285		
Total Dissolved Solids			-	-	-	-	-	-	-	-	-	165	166		
Hardness CaCO3			-	-	-	-	-	-	-	-	-	135	144		
pH			6.35(1)	6.31(1)	6.42(1)	6.63(1)	6.13(1)	6.99(1)	6.44(1)			8.12 (2)	8.2 (2)		
Turbidity (NTU)			-	-	-	-	-	-	-	-	-	0.36	<0.10		
<b>Dissolved Anions</b>															
Alkalinity-Total CaCO3			-	-	-	-	-	-	-	-	-	116	137		
<b>Dissolved Metals</b>															
Aluminum		DW	0.2		5	IR	-	-	-	0.112	0.0228	0.0726	<0.0050	<0.0050	
Antimony		DW	0.006		0.006	DW	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arsenic		DW	0.025		0.025	DW	-	-	-	<0.0005	<0.0005	<0.0005	0.00378	0.00407	
Barium		DW	1				-	-	-	0.035	0.028	0.113	0.042	0.042	
Beryllium		IR	0.1		0.1	IR	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	
Boron		DW	5		5	DW	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	
Cadmium		DW	0.005		0.005	IR	-	-	-	0.000114	0.000123	0.000337	<0.000050	<0.000050	
Calcium		LS	1000		1000	LS	-	-	-	7.06	19.3	22.8	39.8	41.6	
Chromium		IR, V	0.008 <sup>VI</sup> , 0.005 <sup>III</sup>		0.0049-0.008	IR, V	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	
Cobalt		DW	0.05		0.05	IR	-	-	-	0.00203	0.00224	0.00935	0.00083	0.00064	
Copper		IR	0.2		0.2-1	IR	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	
Iron		DW	0.3		0.3	DW	-	-	-	0.055	<0.030	2.16	0.03	<0.030	
Lead		DW	0.01		0.01	DW	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Lithium		IR	2.5				-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	
Magnesium		DW	100				-	-	-	1.76	5.5	5.32	8.65	9.62	
Manganese		DW	0.05		0.05	DW	-	-	-	0.397	0.378	1.85	0.387	0.953	
Mercury		DW	0.001		0.001	DW	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Molybdenum		IR	0.01-0.03		0.01-0.05	IR	-	-	-	<0.001	<0.001	<0.001	0.001	<0.001	
Nickel		IR	0.2		0.2	IR	-	-	-	0.0047	0.0036	0.0071	<0.001	<0.001	
Potassium							-	-	-	6.5	4	8.6	<2.0	2.7	
Selenium		DW	0.01		0.01	DW	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	
Silver							-	-	-	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	
Sodium		DW	200				-	-	-	3.6	3.8	4.4	3.7	3.4	
Thallium							-	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Tin							-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Titanium							-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	
Uranium		IR	0.01		0.01	IR	-	-	-	<0.0002	<0.0002	<0.0002	0.00021	<0.0002	
Vanadium		IR	0.1		0.1	IR	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	
Zinc		IR	1-5		0.03	FW	-	-	-	<0.005	<0.005	<0.005	0.0259	0.0056	
<b>Other Inorganics</b>															
Chloride		IR, CR	100-700		100-700	IR	-	-	-	-	-	-	3.1	2.93	
Fluoride		LS, L	1		1	IR	-	-	-	-	-	-	0.062	0.058	
Nitrate (as N)		DW	10		10	DW	8.73	5.54	3.8	0.376	3.31	6.66	3.65	<0.005	0.564
Nitrite (as N)		DW	3.2		3.2	DW	0.0024	<0.001	<0.001	<0.0010	0.0354	0.0313	0.313	<0.001	0.0329
Nitrate + Nitrite (as N)		DW	10		100	LS	8.7324	5.54	3.8	0.376	3.3454	6.6913	3.963	<0.005	0.5969
Sulphate		DW	500.0		1000	LS	-	-	-	-	-	-	18.4	9.5	

Table 16. Summary of Groundwater Analytical Results

	CSR Standards	CCME Guidelines	SCN Location QA/QC Date	Agassiz Research Station									
				APEC 3				APEC 2			APEC 3		
				8588-01 MW25	8588-02 MW13-D	8588-03 MW10	8588-04 MW8	8588-06 MW04-01	8588-05 MW04-02	8588-07 MW04-03 FDA	8588-09 PH1	8588-10 PH2	
				2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004
<b>Monoaromatic Hydrocarbons</b>													
Benzene	0.005 DW	0.004 DW		-	-	-	-	<0.0005	<0.0005	<0.0005	-	-	
Ethylbenzene	0.0024 DW	0.0024 DW		-	-	-	-	<0.0005	<0.0005	<0.0005	-	-	
Toluene	0.024 DW	0.024 DW		-	-	-	-	<0.001	<0.001	<0.001	-	-	
meta- & para-Xylene				-	-	-	-	<0.0005	<0.0005	<0.0005	-	-	
ortho-Xylene				-	-	-	-	<0.0005	<0.0005	<0.0005	-	-	
Total Xylene	0.3 DW			-	-	-	-	<0.001	<0.001	<0.001	-	-	
Styrene				-	-	-	-	<0.001	<0.001	<0.001	-	-	
<b>Polycyclic Aromatic Hydrocarbons</b>													
Acenaphthene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Acenaphthylene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Acridine				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Anthracene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Benzo(a)anthracene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Benzo(a)pyrene	0.00001 DW	0.00001 DW		-	-	-	-	<0.00001	<0.00001	<0.00001	-	-	
Benzo(b)fluoranthene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Benzo(ghi)perylene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Benzo(k)fluoranthene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Chrysene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Dibenzo(a,h)anthracene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Fluoranthene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Fluorene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Indeno(1,2,3-cd)pyrene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Naphthalene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Phenanthrene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Pyrene				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Quinoline				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
Total PAH TEQ (Calc.)				-	-	-	-	<0.00005	<0.00005	<0.00005	-	-	
<b>Polychlorinated Biphenyls</b>													
Total Polychlorinated Biphenyls				-	-	-	-	<0.001	<0.001	<0.001	-	-	

Table 16. Summary of Groundwater Analytical Results

	CSR Standards	CCME Guidelines	SCN Location QA/QC Date	Agassiz Research Station									
				APEC 3				APEC 2			APEC 3		
				8588-01 MW25	8588-02 MW13-D	8588-03 MW10	8588-04 MW8	8588-06 MW04-01	8588-05 MW04-02	8588-07 MW04-03 FDA	8588-09 PH1	8588-10 PH2	
				2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004
<b>Pesticides</b>													
Aldrin									<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Dieldrin									<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Aldrin and Dieldrin	0.0007 DW			-	-	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Azinphos-methyl	0.02 DW			-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Alpha-BHC				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Beta-BHC				-	-	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Delta-BHC				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Carbophenothion				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlordane	0.007 DW			-	-	-	-	-	0.00005	0.00005	0.00005	0.00005	0.00005
Chlorpyrifos	0.024 LS	0.024 LS		-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Coumaphos				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4'-DDD				-	-	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
4,4'-DDD				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
2,4'-DDE				-	-	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
4,4'-DDE				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
2,4'-DDT				-	-	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
4,4'-DDT				-	-	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Diazinon	0.014 LS			-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dichlorvos/Naled				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dimethoate	0.003 LS	0.003 LS		-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Disulfoton				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Endosulfan II				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Endosulfan Sulfate				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Endrin	0.0002 LS			-	-	-	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethion				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Fenitrothion				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Fensulfathion				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Fenthion				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Fonofos				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Heptachlor and Heptachlor Epoxide	0.003 DW			-	-	-	-	-	<0.0000525	<0.0000525	<0.0000525	<0.0000525	<0.0000525
Lindane	0.004 DW	0.004 LS		-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Malathion	0.19 DW			-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methoxychlor	0.9 DW			-	-	-	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mevinphos (Total)				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Mirex				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
cis-Nonachlor				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
trans-Nonachlor				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Oxychlordane				-	-	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Parathion	0.05 DW			-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Parathion-methyl				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phorate	0.002 DW			-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phosalone				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phosmet				-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Terbufos	0.001 DW			-	-	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Table 16. Summary of Groundwater Analytical Results

		Agassiz Research Station								
		APEC 3				APEC 2			APEC 3	
	SCN Location	8588-01	8588-02	8588-03	8588-04	8588-06	8588-05	8588-07	8588-09	8588-10
	QA/QC Date	MW25	MW13-D	MW10	MW8	MW04-01	MW04-02	MW04-03	PH1	PH2
		2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	2/5/2004	FDA	2/5/2004	2/5/2004
	CSR Standards	CCME Guidelines								
<b>Petroleum Hydrocarbons</b>										
VPHw		-	-	-	-	<0.10	<0.10	<0.10	-	-
LEPHw	AWF	-	-	-	-	<0.30	<0.30	<0.30	-	-
HEPHw		-	-	-	-	<1.0	<1.0	<1.0	-	-
VHw6-10	15 DW	-	-	-	-	<0.10	<0.10	<0.10	-	-
EHw10-19	5 DW	-	-	-	-	<0.30	<0.30	<0.30	-	-
EHw19-32		-	-	-	-	<1.0	<1.0	<1.0	-	-

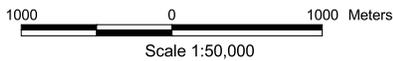
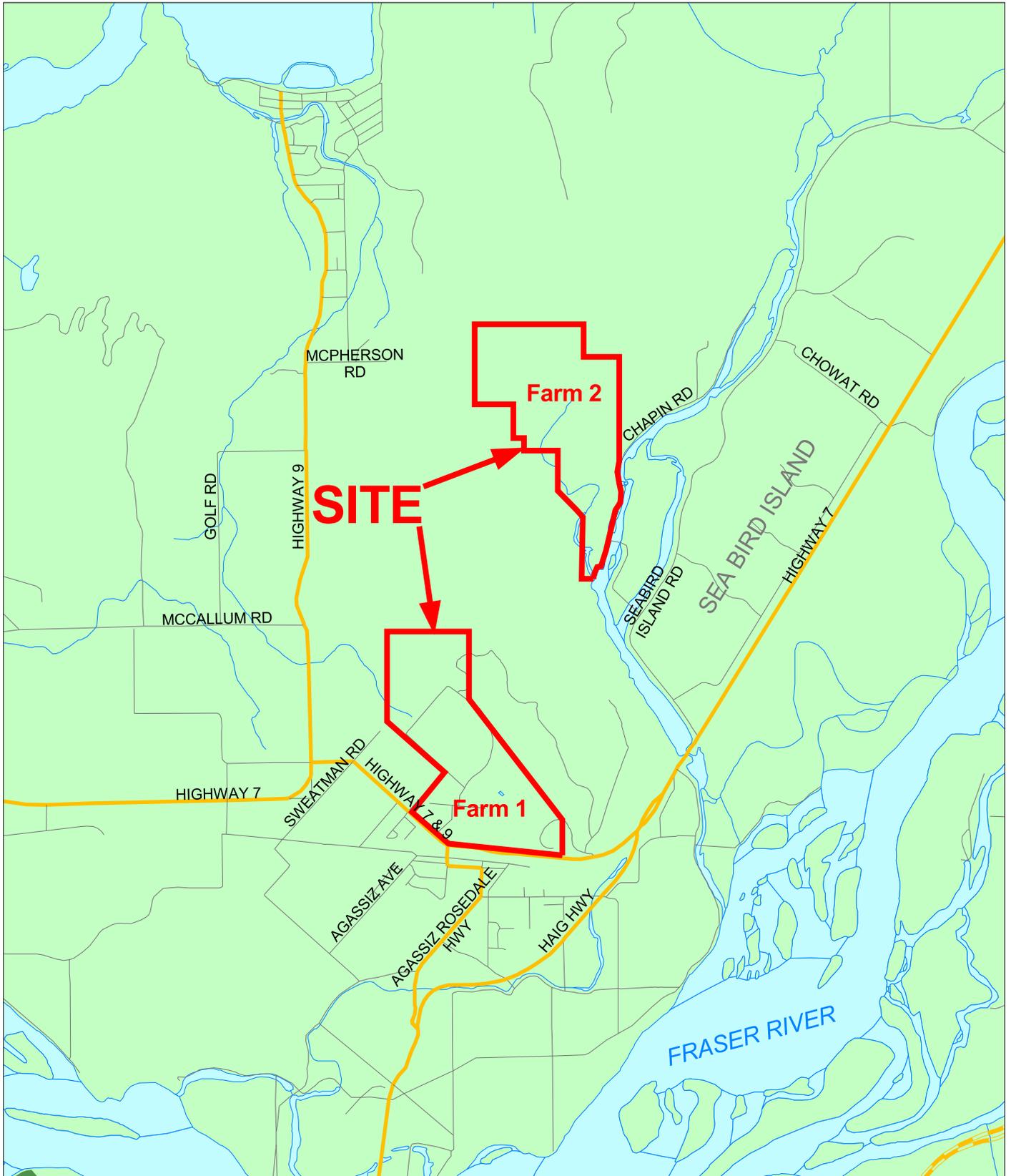
Notes:

- All concentrations in mg/L.
- (1) - measured in the field
- (2) - measured in the laboratory
- Cl = standard is chloride dependent
- V= Standard is valence dependent [CR(VI)/Cr(III)]
- CR = standard varies depending on crop. Consult director for further advice
- DW - Drinking Water
- LS = Livestock guideline/standard
- IR = Irrigation guideline

	SCN Location QA/QC Date		8588-07	8588-08	RPD	DF		
			MW04-03	MW04-03				
			FDA 2/5/2004	FD 2/5/2004				
	CSR Standards		CCME Guidelines					
<b>Other Inorganics</b>								
Chloride	100-700	IR, CR	100-700	IR	-	-	NC	NC
Fluoride	1	LS, L	1	IR	-	-	NC	NC
Nitrate (as N)	10	DW	10	DW	3.65	3.7	NA	NC
Nitrite (as N)	3.2	DW	3.2	DW	0.313	0.15	NA	NC
Nitrate + Nitrite (as N)	10	DW	100	LS	3.963	3.85	NA	NC
Sulphate	500.0	DW	1000	LS	-	-		
<b>Pesticides</b>								
Aldrin					<0.00005	<0.00005	NC	NC
Dieldrin					<0.00005	<0.00005	NC	NC
Aldrin and Dieldrin	0.0007	DW			<0.0001	<0.0001	NC	NC
Atrazine	5	DW						
Azinphos-methyl	0.02	DW			<0.0005	<0.0005	NC	NC
Alpha-BHC					<0.00005	<0.00005	NC	NC
Beta-BHC					<0.0001	<0.0001	NC	NC
Delta-BHC					<0.00005	<0.00005	NC	NC
Carbophenothion					<0.0005	<0.0005	NC	NC
Chlordane	0.007	DW			0.00005	0.00005	0	NC
Chlorpyrifos	0.024	LS	0.024	LS	<0.0005	<0.0005	NC	NC
Coumaphos					<0.0005	<0.0005	NC	NC
2,4'-DDD					<0.0001	<0.0001	NC	NC
4,4'-DDD					<0.00005	<0.00005	NC	NC
2,4'-DDE					<0.0001	<0.0001	NC	NC
4,4'-DDE					<0.00005	<0.00005	NC	NC
2,4'-DDT					<0.0001	<0.0001	NC	NC
4,4'-DDT					<0.0001	<0.0001	NC	NC
Diazinon	0.014	LS			<0.0005	<0.0005	NC	NC
Dichlorvos/Naled					<0.0005	<0.0005	NC	NC
Dimethoate	0.003	LS	0.003	LS	<0.0005	<0.0005	NC	NC
Disulfoton					<0.0005	<0.0005	NC	NC
Endosulfan					<0.00005	<0.00005	NC	NC
Endosulfan II					<0.00005	<0.00005	NC	NC
Endosulfan Sulfate					<0.00005	<0.00005	NC	NC
Endrin	0.0002	LS			<0.0002	<0.0002	NC	NC
Ethion					<0.0005	<0.0005	NC	NC
Fenitrothion					<0.0005	<0.0005	NC	NC
Fensulfothion					<0.0005	<0.0005	NC	NC
Fenthion					<0.0005	<0.0005	NC	NC
Fonofos					<0.0005	<0.0005	NC	NC
Heptachlor and Heptachlor Epoxide	0.003	DW			<0.0000525	<0.0000525	NC	NC
Lindane	0.004	DW	0.004	LS	<0.00005	<0.00005	NC	NC
Malathion	0.19	DW			<0.0005	<0.0005	NC	NC
Methoxychlor	0.9	DW			<0.0002	<0.0002	NC	NC
Mevinphos (Total)					<0.0005	<0.0005	NC	NC
Mirex					<0.00005	<0.00005	NC	NC
cis-Nonachlor					<0.00005	<0.00005	NC	NC
trans-Nonachlor					<0.00005	<0.00005	NC	NC
Oxychlordane					<0.00005	<0.00005	NC	NC
Parathion	0.05	DW			<0.0005	<0.0005	NC	NC
Parathion-methyl					<0.0005	<0.0005	NC	NC
Phorate	0.002	DW			<0.0005	<0.0005	NC	NC
Phosalone					<0.0005	<0.0005	NC	NC
Phosmet					<0.0005	<0.0005	NC	NC
Terbufos	0.001	DW			<0.0005	<0.0005	NC	NC

Notes:  
 All concentrations in ug/L.  
  
 H = standard is Hardness dependent  
 pH = standard is pH dependant  
 Cl = standard is chloride dependent  
 V = Standard is valence dependent [CR(VI)/Cr(III)]

CR = standard varies depending on crop. Consult director for further advice  
 L = standard varies with type of livestock. Consult director for further advice  
 N = where nitrate and nitrite are present, total nitrate plus nitrite-nitrogen should not exceed this value  
 n-Le = standard to protect crops other than legumes  
 Le = standard to protect legumes  
 D = standard has been set to equal the reference analytical detection limit  
 IR = Irrigation guideline



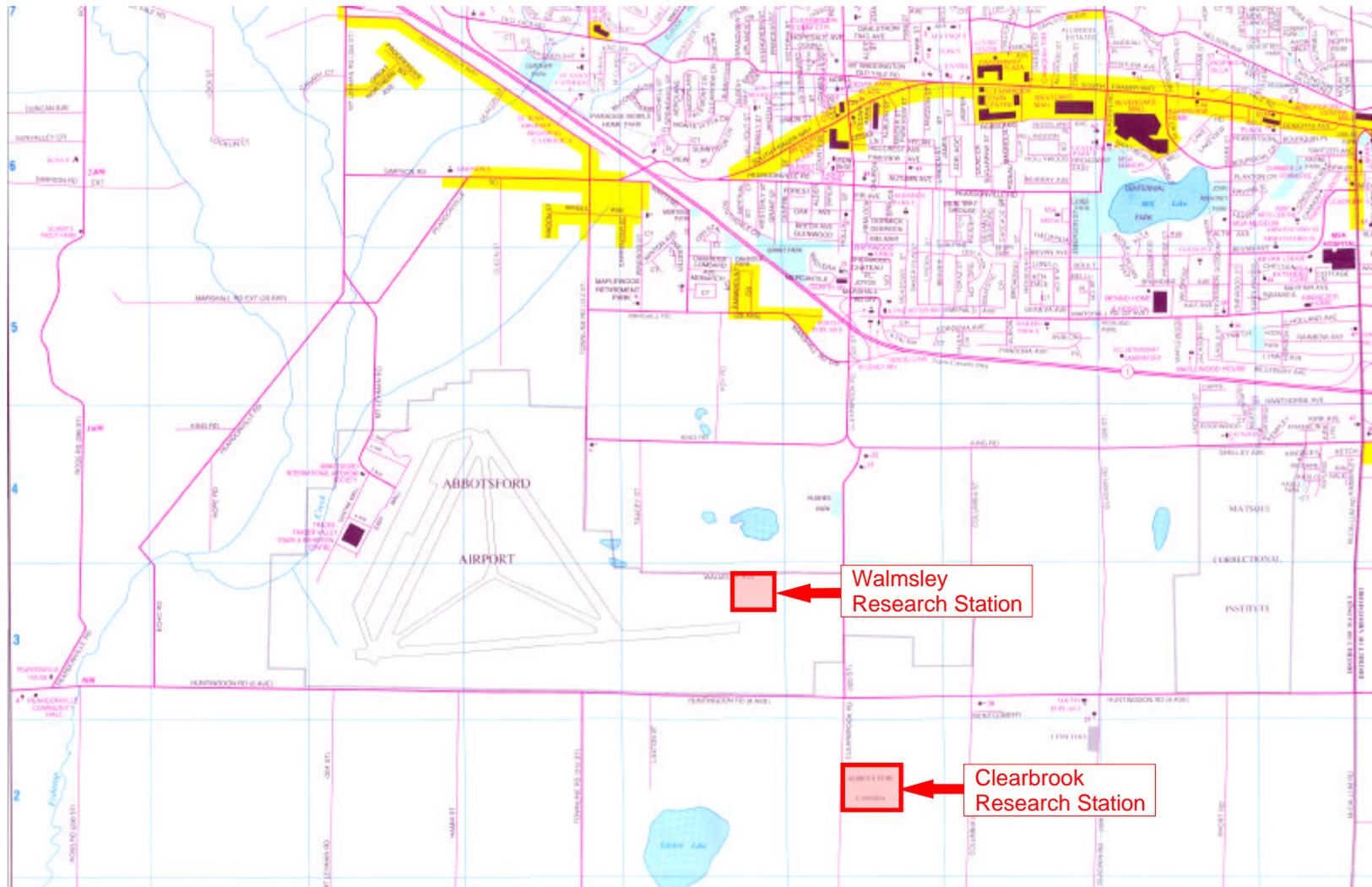
**REFERENCE**

Source: DMTI Spatial  
Datum: NAD 83 Projection: UTM Zone 10



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I AND II PSI AGASSIZ, B.C.	
TITLE			
<b>AGASSIZ SITE LOCATIONS</b>			
PROJECT No. 03-1412-127		SCALE AS SHOWN	REV. 0
DESIGN	SM	01 Mar. 2004	<b>FIGURE 1</b>
GIS	CDB	01 Mar. 2004	
CHECK	SM	01 Mar. 2004	
REVIEW			

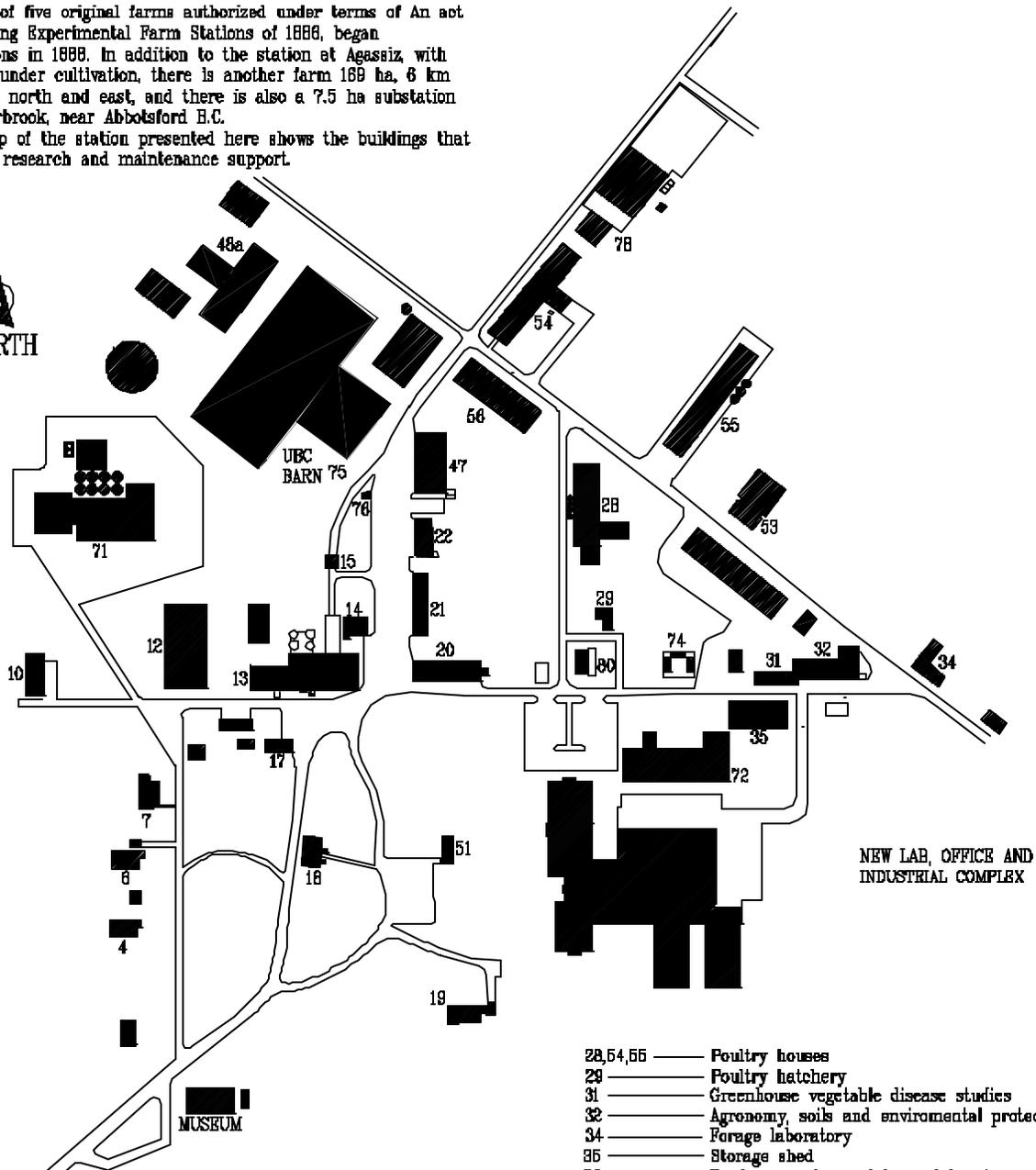




PROJECT		<b>AGRICULTURE &amp; AGRI-FOOD CANADA PHASE I AND II PSI</b>		
TITLE		<b>ABBOTSFORD SITE LOCATIONS</b>		
PROJECT No.		03-1412-127	FILE No. SITE	
DESIGN	SM	01MAR04	SCALE	NTS
CADD	SS	01MAR04	REV.	
CHECK	SM	01MAR04	<b>FIGURE 2</b>	
REVIEW				



The Agassiz Research Station, which was established in 1886 as one of five original farms authorized under terms of An act respecting Experimental Farm Stations of 1886, began operations in 1888. In addition to the station at Agassiz, with 159 ha under cultivation, there is another farm 189 ha, 6 km by road north and east, and there is also a 7.5 ha substation at Clearbrook, near Abbotsford B.C. The map of the station presented here shows the buildings that provide research and maintenance support.



**INDEX TO BUILDINGS**

- 4,6,7,10 — Residences occupied by staff and students
- 10 — Maternity barn
- 12 — Dry cow and heifer barn
- 13 — Former calf barn built in 1893. Now used for conference room and storage
- 14,15,21,22,47,76 — General service buildings
- 17 — Entomology laboratory
- 18 — Administration and scientist's offices
- 20 — Carpenter shop, entomology laboratory and post harvest physiology laboratory

- 28,54,55 — Poultry houses
- 29 — Poultry hatchery
- 31 — Greenhouse vegetable disease studies
- 32 — Agronomy, soils and environmental protection
- 34 — Forage laboratory
- 35 — Storage shed
- 36 — Food processing and berry laboratory
- 37 — Greenhouses and plant physiology laboratory
- 48a — Loose housing complex
- 51 — Picnic shelter and washrooms
- 53 — Pump house and water storage
- 55 — Building provided by H.C. Chicken Marketing Board for studies on meat type chickens
- 56 — Calf barn
- 71 — Feedmill and poultry laboratory
- 72 — Venlo greenhouse complex
- 74 — Chemical storage buildings
- 75 — Milking parlor
- 78 — Composter complex
- 80 — Pesticide storage building

CADD FILE: D:\Active\2003-4\2003\1412\03-1412-127 AAF Phase 1a\Agassiz Site\SITE.MAP2.dwg

REVISION DATE: 04/03/1 3:01pm By: bdrozdziak

PROJECT <b>AGRICULTURE &amp; AGRI-FOOD CANADA PHASE I &amp; II PSI</b>			
TITLE <b>AGASSIZ FARM I LAYOUT</b>			
	PROJECT No. 05-1412-127		FILE No. SITE MAP 2
	DESIGN	SN 01MARG4	SCALE NTS REV. 0
	CADD	SS 01MARG4	
	CHECK	SN 01MARG4	
REVIEW			
<b>FIGURE 3</b>			





Clearbrook Road

Field Plots

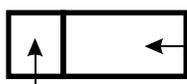
Dirt Road



Residence



AST



Chemical Storage

Equipment Storage

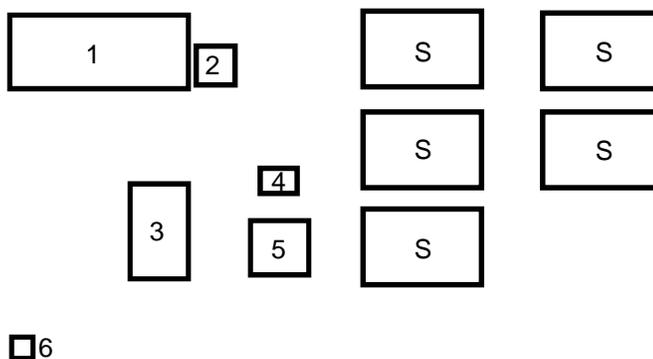
Not to Scale

REVISION DATE: BY: COREL FILE:N:\Bur-Graphics\Projects\2003\1412\03-1412-127\Drafting\corel\Site 2.cdr

PROJECT					<b>AGRICULTURE &amp; AGRI-FOOD CANADA PHASE I &amp; II PSI</b>				
TITLE					<b>CLEARBROOK SITE LAYOUT</b>				
PROJECT No.			03-1412-127		FILE No.			SITE 2	
DESIGN	SM	01MAR04	SCALE		REV.				
CADD	SS	01MAR04							
CHECK	SM	01MAR04							
REVIEW									
					<b>FIGURE 5</b>				



WALMSLEY ROAD



**LEGEND:**

- S Screen House
- 1 Equipment Storage
- 2 Storage (Paint, Fertilizers, etc)
- 3 Trailer
- 4 Storage
- 5 Former Fuel Storage
- 6 Pumphouse

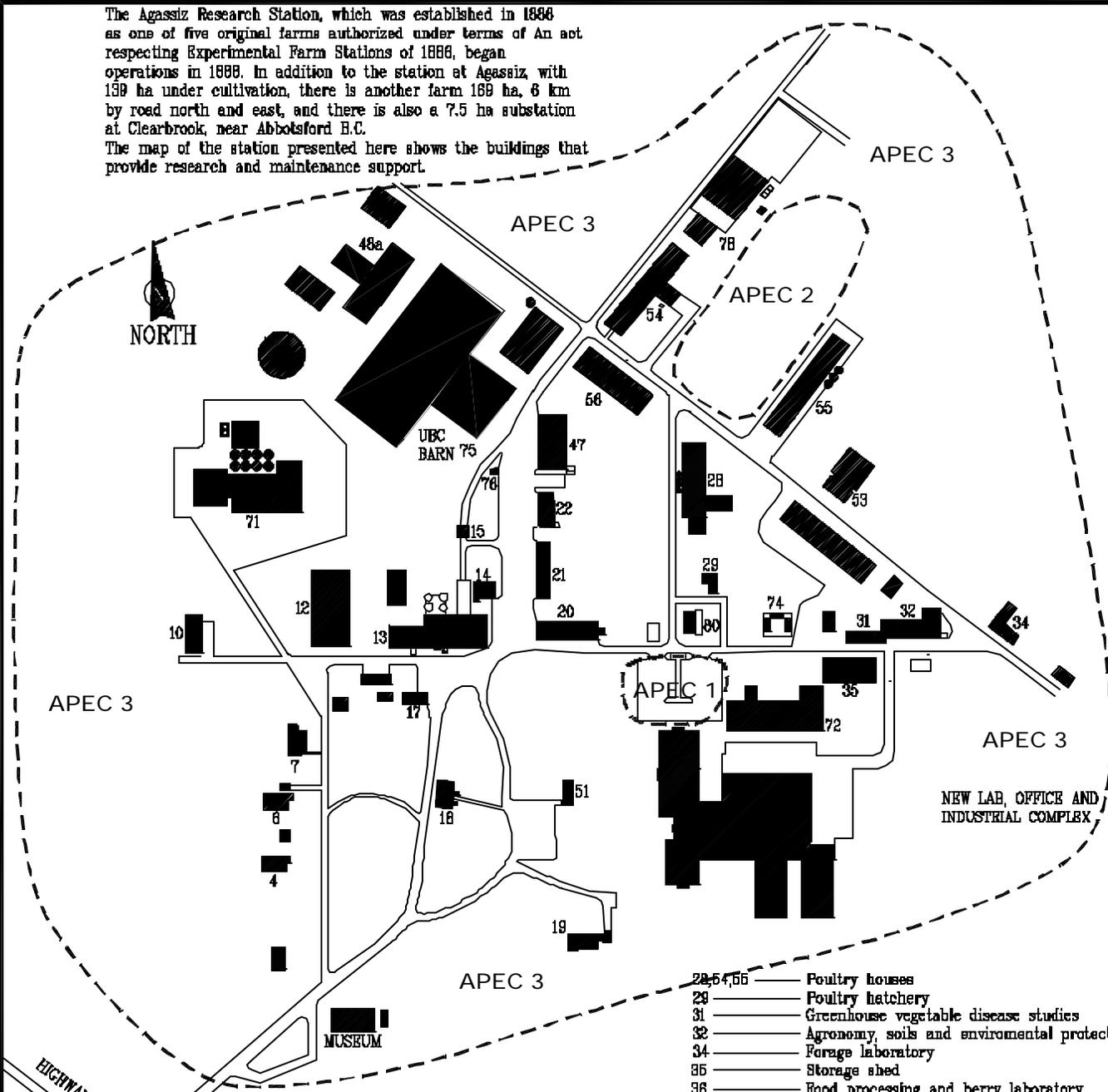
Not to Scale

PROJECT					
<b>AGRICULTURE &amp; AGRI-FOOD CANADA PHASE I &amp; II PSI</b>					
TITLE					
<b>WALMSLEY SITE LAYOUT</b>					
PROJECT No.		03-1412-127		FILE No.	SITE 2
DESIGN	SM	01MAR04	SCALE	REV.	
CADD	SS	01MAR04	<b>FIGURE 6</b>		
CHECK	SM	01MAR04			
REVIEW					



The Agassiz Research Station, which was established in 1886 as one of five original farms authorized under terms of An act respecting Experimental Farm Stations of 1886, began operations in 1888. In addition to the station at Agassiz, with 159 ha under cultivation, there is another farm 189 ha, 6 km by road north and east, and there is also a 7.5 ha substation at Clearbrook, near Abbotsford B.C. The map of the station presented here shows the buildings that provide research and maintenance support.

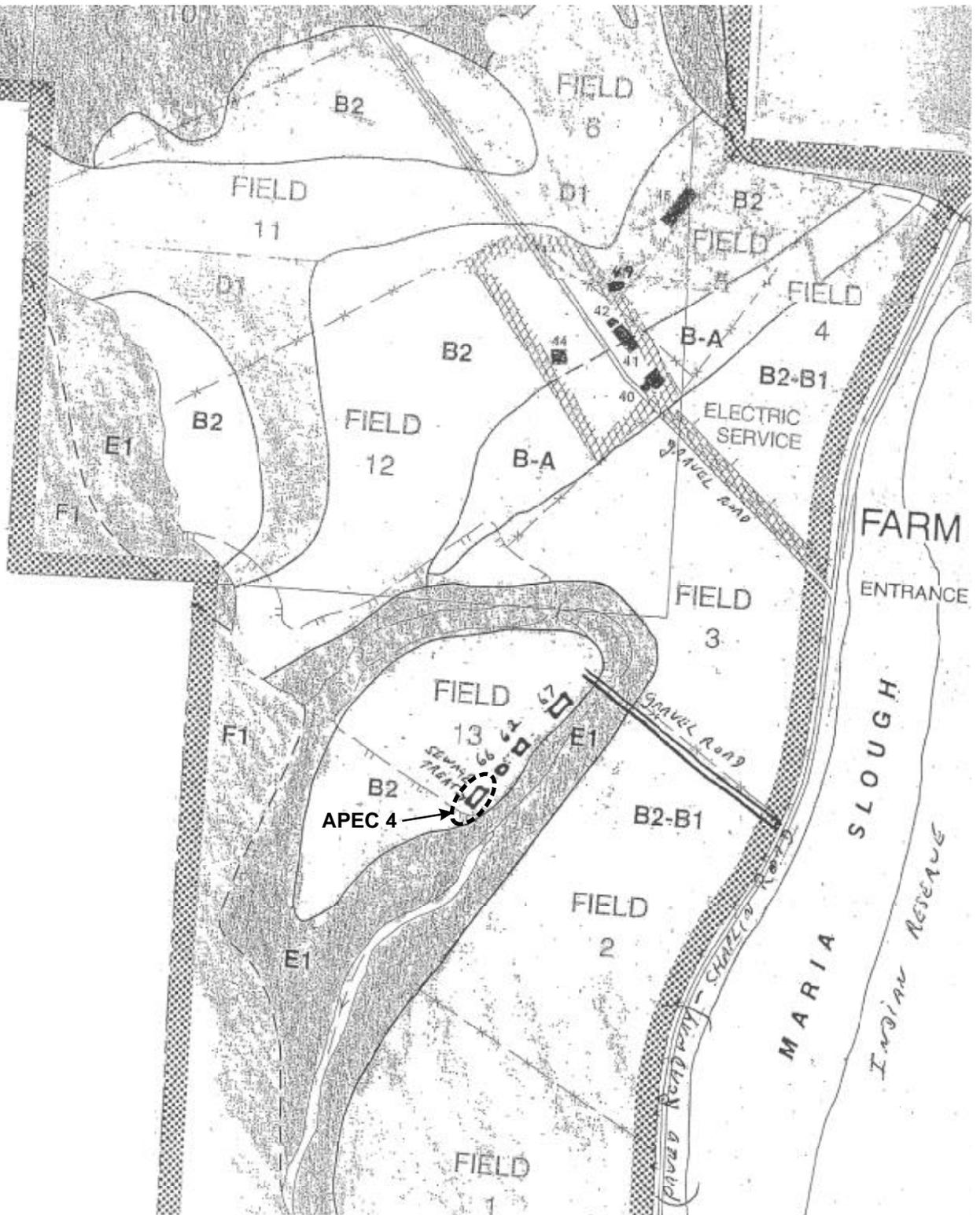
REVISION DATE: 04/03/10 1:5pm By: bdrozdziak  
 CADD FILE: D:\Active\2003-4\2003\1412\03-1412-127 AFPC Phase 1a\Agassiz Site\FIGURE7.dwg  
 PROJECT: 05-1412-127



- INDEX TO BUILDINGS**
- 4,6,7,10 — Residences occupied by staff and students
  - 10 — Maternity barn
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  - 14,15,21,22,47,76 — General service buildings
  - 17 — Entomology laboratory
  - 18 — Administration and scientist's offices
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- 28,54,55 — Poultry houses
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PROJECT			
AGRICULTURE & AGRI-FOOD CANADA PHASE I & II PSI			
TITLE			
AGASSIZ RESEARCH STATION (FARM) AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)			
	PROJECT No. 05-1412-127		FILE No.
	DESIGN	SN	10MARG4
	CADD	BAD	10MARG4
	CHECK	SN	10MARG4
REVIEW			
SCALE		NTS	REV. 0
<b>FIGURE 7</b>			



- 40 - RESIDENCE 1-2-13
- 41 - IMPLEMENT SHED
- 42 - PUMPHOUSE
- 44 - DEMOLISHED
- 45 - BUNKER SILO w/ 2 MNY SHEDS
- 49 - GRAIN STORAGE
- 62 - PAINT STORAGE
- 66 - INCINERATOR
- 67 - STORAGE BLDG.

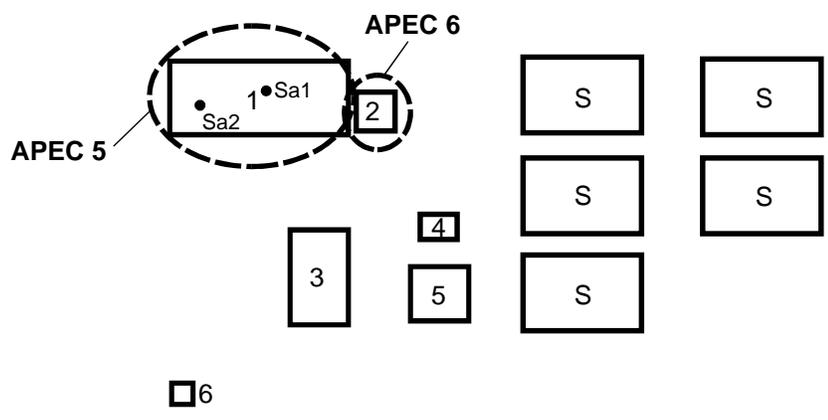
Not to Scale

PROJECT				AGRICULTURE & AGRI-FOOD CANADA PHASE I & II PSI	
TITLE				AGASSIZ RESEARCH STATION (FARM 2) AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)	
PROJECT No.		03-1412-127	FILE No.		SITE 2
DESIGN	SM	01MAR04	SCALE	REV.	
CADD	SS	01MAR04			
CHECK	SM	01MAR04	<b>FIGURE 8</b>		
REVIEW					





WALMSLEY ROAD



**LEGEND:**

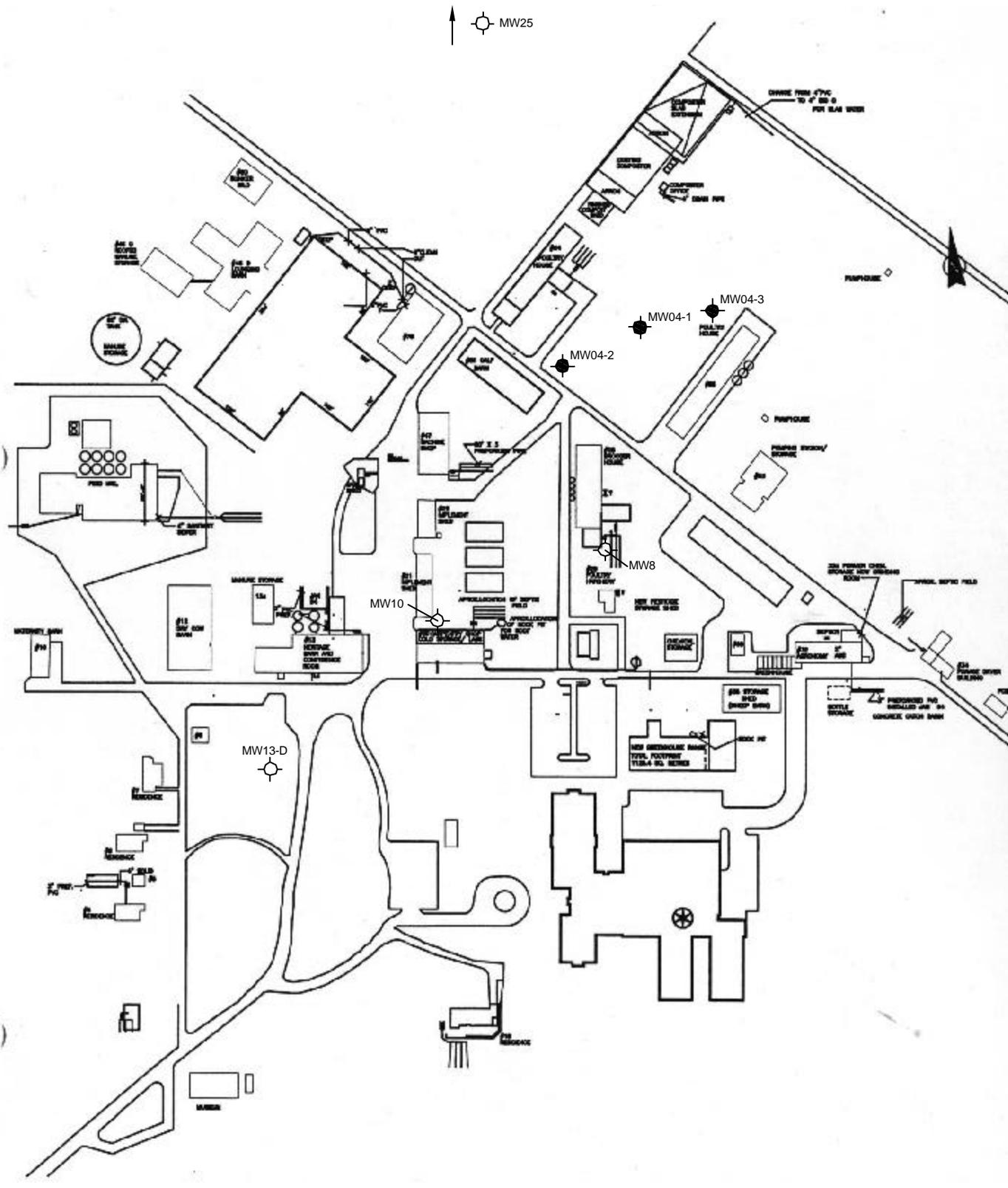
S	Screen House
1	Equipment Storage
2	Storage (Paint, Fertilizers, etc)
3	Trailer
4	Storage
5	Former Fuel Storage
6	Pumphouse

Not to Scale

REVISION DATE: BY: COREL FILE:N:\Bur-Graphics\Projects\2003\1412\03-1412-127\Drafting\corel\Site 2.cdr

PROJECT					<b>AGRICULTURE &amp; AGRI-FOOD CANADA PHASE I &amp; II PSI</b>					
TITLE					<b>WALMSLEY RESEARCH FARM AREA OF POTENTIAL ENVIRONMENTAL CONCERN</b>					
PROJECT No. 03-1412-127			FILE No. SITE 2		DESIGN SM 01MAR04			SCALE NTS		REV.
CADD SS 01MAR04			CHECK SM 01MAR04					<b>FIGURE 9</b>		
REVIEW										

REVISION DATE: 04/03/10 2:29pm By: bdrozdniak CADD FILE: D:\Active\2003-4\2003\1412\03-1412-127 AFCC Phase 1a\Agassiz Site\FIGURE10.dwg



**LEGEND**

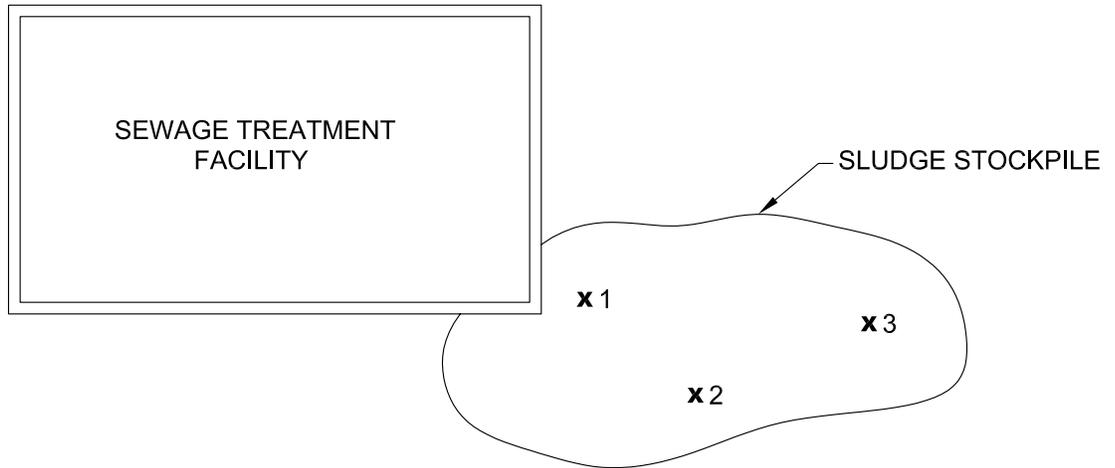
-  MW04-2 - Approximate location of New Well
-  MW8 - Approximate location of Previous Well

PROJECT				AGRICULTURE & AGRI-FOOD CANADA PHASE I & II PSI			
TITLE				WELL LOCATIONS ON FARM 1			
PROJECT No.		05-1412-127		FILE No.		FIGURE10	
DESIGN				SCALE	NTS	REV.	-
CADD	BAD	10MAR04		<b>FIGURE 10</b>			
CHECK							
REVIEW							



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 A AFC Phase 1s\Agassiz Site\FIGURE10.dwg

REVISION DATE: 04/03/10 2:5pm By: bdrozdiak



**LEGEND**

**x 2** - Approximate location of Sample

PROJECT					AGRICULTURE & AGRI-FOOD CANADA PHASE I & II PSI				
TITLE					SAMPLE LOCATIONS ON FARM 2				
PROJECT No. 03-1412-127			FILE No.		FIGURE11				
DESIGN			SCALE	NTS	REV.	-			
CADD	BAD	10MAR04	<b>FIGURE 11</b>						
CHECK									
REVIEW									



**APPENDIX I**  
**CERTIFICATE OF TITLES**



**LAND INVENTORY RECORD**

**FICHE D'INVENTAIRE DU TERRAIN**

File No. / N° du dossier

465-2-7/P9025/3

Branch - Section / Direction générale - Section <b>Research</b>		LDU No. / N° de l'ERT <b>33947-001</b>	Date Revised / Date de révision <b>2002/06/26</b>
--	--	---	--

Site Name / Nom du lieu <b>Abbotsford Research Farm</b>		Site Location / Emplacement du lieu <b>Wamsley and Clearbrook Roads Abbotsford, BC</b>	
Date (Purchase-Lease / Achat-location) <b>1972/04/01</b>	Total (Acres / Hectares / m <sup>2</sup> ) <b>2.91 acres / 1.18 ha</b>		

<input type="radio"/> Owned Possession de la couronne	Acquisition Cost / Coût d'achat	Former Owner / Propriétaire précédent	
--	---------------------------------	---------------------------------------	--

<input type="radio"/> Leased Direct Loué directement	<input type="radio"/> Letting Cession à bail	Date Expiry / Date d'échéance <b>2005/03/31</b>	Rental Cost / Coût du loyer <b>1312/year</b>
---	---	--	---

Lessor - Lessee / Bailleur - Locataire  
**City of Abbotsford**

Related Building Inventory Records Dossier relié à l'inventaire du bâtiment	Related Misc. Agreement Records Dossier d'accord divers	Survey Plan Reference No. / N° du plan d'arpentage
--	--	--

Authority and Registration Reference / N° d'inscription et autorisation

**Lease Agreement #93545 dated May4, 1972. Amendment lease #96149 dated June 11, 1973. Supplement agreement #99407 dated January 6, 1975. PC. 1967-21-1070 dated June 1, 1967. Supplemental Agreement to #93545 dated April 1, 1995.**

Description and Purpose of Property / Description et but du terrain

**All that parcel of land, situated, lying and being comprised in the Abbotsford Airport at or in the vicinity of Abbotsford comprising of an area of 1.181 ha more or less.**

Remarks / Remarques

**Original lease comprised of 10 acres, increased to 21 acres in January 1975. Now decreased to 2.91 acres.**

Land Sold / Terrain vendu



THIS ADDENDUM-NO. 6 made in triplicate this twenty-second (22nd) day of June, 2000

**BETWEEN:** THE CITY OF ABBOTSFORD, 32315 South Fraser Way, Abbotsford, British Columbia, V2T 1W7, hereinafter referred to as "the Lessor"

**AND:** HER MAJESTY THE QUEEN IN RIGHT OF CANADA, as represented by the Minister of Agriculture and Agri-Food, hereinafter referred to as "the Lessee",

WITNESSETH that the Lessor and the Lessee hereby mutually covenant and agree, as follows:

1. To amend Lease No. 93545 (PACIFIC 782) dated July 10, 1972 (herein referred to as "the said Lease" and hereto attached), by striking out the Description Clause on Page One (1) of the said Lease and substituting therefore with the following Description Clause.

"ALL AND SINGULAR that certain parcel of land (hereinafter referred to as "the said land") situate, lying and being comprised, at the Abbotsford Airport (hereinafter referred to as "the said airport") in the vicinity of the City of Abbotsford, in the Province of British Columbia; the said land comprising an area of 1.81 hectares (18,100 square metres), more or less, and being more particularly shown on the drawing (revised March 2000) hereto annexed."

2. To amend the said Lease by striking out the Reddendum Clause on Page 2 of the said Lease and substituting therefore with the following Reddendum Clause:

"YIELDING and PAYING therefore, during the currency of this Lease, to the Lessor for the time being, in lawful money of Canada the following rent or sum,:

For the period commencing on the first day of April 2000 and ending on the thirty-first day of March 2005:

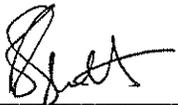
ONE THOUSAND THREE HUNDRED TWELVE DOLLARS AND TWENTY-FIVE CENTS (\$1,312.25) per annum, payable annually in advance, on the first day of April in each and every year, commencing on the first day of April 2000."

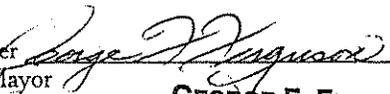
3. That all other conditions, covenants and provisos of the original agreement remain in effect.

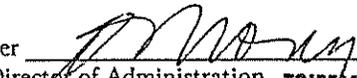
IN WITNESS WHEREOF the parties hereto duly authorized to execute this ADDENDUM NO.6 have signed accordingly.

Signed at Abbotsford, in the Province of British Columbia, this 14 day of July, 2000

THE CITY OF ABBOTSFORD

  
Witness **WILLIAM FLITTON**  
A Commissioner for taking Affidavits  
for British Columbia  
32315 South Fraser Way  
Abbotsford, B.C. V2T 1W7  
Ph: 658-2281  
Witness

Per   
Mayor **GEORGE F. FERGUSON**

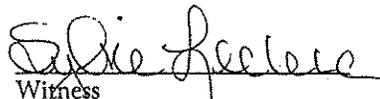
Per   
Director of Administration **TOIREASA O'HOGAIN STRONG**  
DIRECTOR OF ADMINISTRATION

(as to the signature of Toireasa O'Hogain Strong only)

Signed at Ottawa, in the Province of Ontario, this 22<sup>nd</sup> day of June, 2000

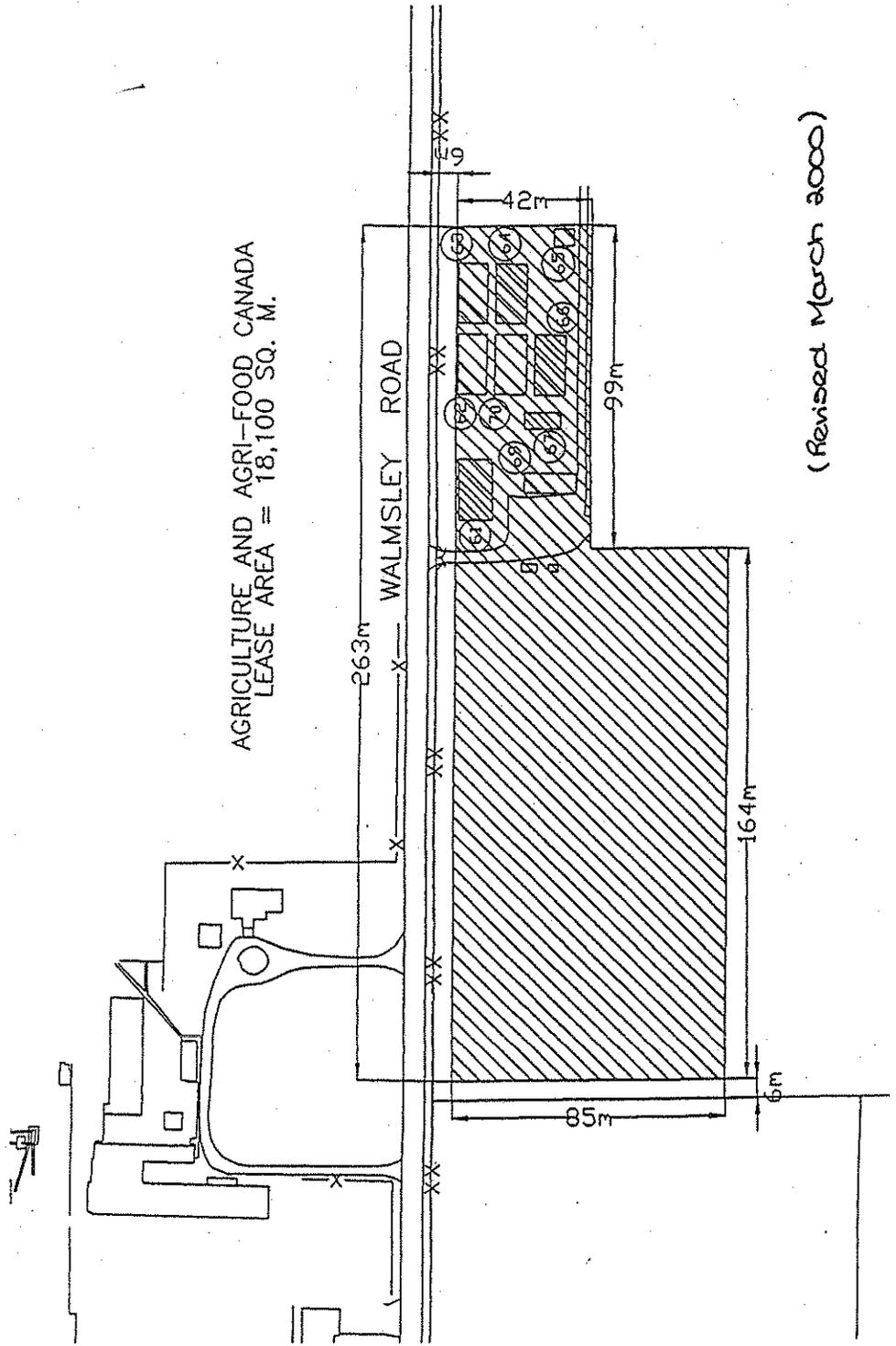
HER MAJESTY THE QUEEN IN RIGHT  
OF CANADA as represented by  
the Minister of Agriculture and Agri-Food

For and on behalf of  
the Minister of Agriculture and Agri-Food and having  
proper delegated authority in accordance with the  
provisions of the Federal Real Property Act, S.C.  
1991, c.50.

  
Witness

Per   
Corporate Manager - Real Property  
Asset Management and Capital Planning  
Corporate Services Branch  
Agriculture and Agri-Food Canada

AGRICULTURE AND AGRI-FOOD CANADA  
LEASE AREA = 18,100 SQ. M.



(Revised March 2000)



Transport  
Canada

Airports  
Group

Suite 620  
800 Burrard Street  
Vancouver, B.C.  
V6Z 2J8

Transports  
Canada

Groupe  
des aéroports

800, rue Burrard  
Bureau 620  
Vancouver, C-B  
V6Z 2J8

078  
② MITZI  
③ FILE 600-1-2

Your file Votre référence

Our file Notre référence

Registered Mail

TKC5163-P101-051

7 April 1995

Canada Agriculture  
Research Station  
6660 N.W. Marine Drive  
VANCOUVER, B.C.  
V6T 1X2

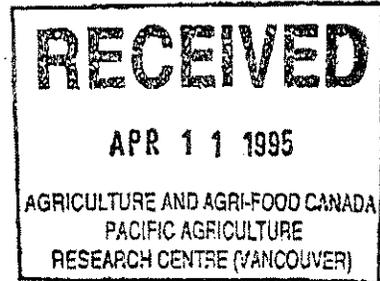
Dear Sirs:

**RE: SUPPLEMENTAL AGREEMENT TO LEASE PACIFIC 782 -  
ABBOTSFORD AIRPORT**

Attached for your retention is a copy of the above-mentioned document executed on behalf of the Minister of Transport.

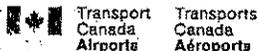
Yours truly,

Mary Mah  
Superintendent, Lease Administration



cc: Robert Prud'homme (TKCP)  
Mike Colmant (TKOH Abbotsford)

MM:wr



# SUPPLEMENTAL AGREEMENT      ENTENTE SUPPLÉMENTAIRE

AIRPORT - AÉROPORT  Abbotsford	FILE NO. - N° DE DOSSIER  TKC5163-P101-051	CONTROL NO. - N° DE CONTRÔLE
AMENDING THE FOLLOWING DOCUMENT - MODIFICATION DU DOCUMENT SUIVANT: <input checked="" type="checkbox"/> LEASE - BAIL <input type="checkbox"/> LICENCE - PERMIS <input type="checkbox"/> OTHER - AUTRE		EFFECTIVE DATE - DATE D'ENTRÉE EN VIGUEUR YEAR - ANNÉE      MONTH - MOIS      DAY - JOUR 1995      04      01
NO. <u>Pacific 782</u> Airport - Aéroport / Région - Région N° <u>93545</u> Headquarters - Administration Centrale		SUPPLEMENTAL AGREEMENT NO. - N° DE L'ENTENTE SUPPLÉMENTAIRE  Amendment No. 5
AGREEMENT BETWEEN:  <i>Her Majesty the Queen in right of Canada                  represented by the Minister of Transport</i>  Regional Director General CO Suite 620 - 800 Burrard Street Vancouver, B.C. V6Z 2J8		ENTENTE ENTRE:  <i>Se Majesté la Reine du Chef du Canada                  représentée par le Ministre des Transports</i>  AND - ET
LEGAL NAME - NOM LÉGAL  Canada Agriculture		
ADDRESS - ADRESSE  Research Station 6660 N.W. Marine Drive Vancouver, B.C. V6T 1X2		TELEPHONE NO. (S) - N° (S) DE TELEPHONE
THE PARTIES AGREE AS FOLLOWS: - LES PARTIES CONVIENNENT DE CE QUI SUIT:  1. To amend Lease No. 93545 (PACIFIC 782) (herein called "the Lease") by striking out the Reddendum Clause on Page 2 of the Lease and substituting therefor with the following Reddendum Clause:  "YIELDING and PAYING therefor, during the currency of this Lease, to the Lessor through the Honourable the Receiver General for Canada for the time being, in lawful money of Canada the following rent or sum, until changed pursuant to the provisions of Clauses 19 and 20 hereof:  (1) For the period commencing on the first day of April 1995 and ending on the thirty-first day of March 2000:  FOUR THOUSAND DOLLARS (\$4,000.00) per annum, payable annually in advance, on the first day of April each and every year, commencing on the first day of April 1995;  (2) Without waiving any other right of action of the Lessor in the event of default of payment of rent hereunder, in the event that the Lessee is delinquent after the date above appointed in making the payments required hereunder, the Lessee shall pay interest thereon at the rate of 10.94 percent per annum (0.870 percent per month, compounded), retroactive from the date any such amount is due and payable until paid. In order to reflect prevailing interest rates, the Lessor may review and adjust the interest rate from time to time".		

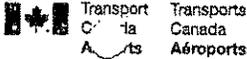
.../2

(Use attachment if space insufficient - Utiliser autre feuille si manque d'espace)

ALL OTHER CONDITIONS, COVENANTS AND PROVISOS OF THE ORIGINAL AGREEMENT REMAIN UNCHANGED  
 TOUTES LES AUTRES CONDITIONS, STIPULATIONS ET DISPOSITIONS PRÉVUES À L'ENTENTE ORIGINALE DEMEURENT INCHANGÉES

IN WITNESS WHEREOF, the parties have executed this Supplemental Agreement EN FOI DE QUOI, les parties ont signés cette entente supplémentaire  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><input checked="" type="checkbox"/> <u>Abbott</u>                      For the Lessee/Licensee - Pour le Locataire/Titulaire</p> <p><input checked="" type="checkbox"/> <u>Director ARC</u>                      Title - Titre</p> <p><u>[Signature]</u>                      For the Minister - Pour le Ministre                      REGIONAL DIRECTOR GENERAL                      Title - Titre</p> </div> <div style="width: 45%;"> <p><input checked="" type="checkbox"/> <u>[Signature]</u>                      Witness - Témoin</p> <p><input checked="" type="checkbox"/> <u>MARCH 30, 1995</u>                      Date</p> <p><u>[Signature]</u>                      Witness - Témoin</p> <p><u>April 6, 1995</u>                      Date</p> </div> </div>
---

<input type="checkbox"/> ORIGINAL - Legal Registry ORIGINALE - Régistré légal	<input checked="" type="checkbox"/> DUPLICATE - Lessee/Licensee DOUBLE - Locataire/Titulaire	<input type="checkbox"/> COPY - Airport COPIE - Aéroport
<input type="checkbox"/> COPY - Headquarters COPIE - Administration Centrale	<input type="checkbox"/> COPY - Finance COPIE - Finances	<input type="checkbox"/> COPY - Region COPIE - Région



LEASE - BAIL



LICENCE - PERMIS

AIRPORT - AÉROPORT	LEASE/LICENCE NO./N° DU BAIL/PERMIS	LEGAL NAME OF LESSEE/LICENSÉ NOM LÉGAL DU LOCATAIRE/TITULAIRE	EFFECTIVE DATE - DATE D'ENTRÉE EN VIGUEUR	FILE NO. - N° DE DOSSIER
Abbotsford	PR 782 (93545)	Canada Agriculture	95 04 01	TKC5163- P101-051

## ADDITIONAL CONDITIONS - CONDITIONS ADDITIONNELLES

2. Amend the Lease by adding the following Clause No. 19 (DETERMINATION AND FIXING OF RENT), Clause No. 20 (ARBITRATION OF RENTAL DISPUTES) and Clause No. 23 (SALE OR OTHER DISPOSITION OF AIRPORT):

## "19. DETERMINATION AND FIXING OF RENT

(1) In this Lease

"Market Rent" means the highest fixed annual rent estimated in terms of lawful money of Canada, which the said land would bring if offered for lease on the open market in Abbotsford, B.C. by a willing lessor, assuming for the purpose of such calculation that:

- (a) a reasonable time is permitted to find a willing lessee;
- (b) neither the lessor nor the lessee is acting under compulsion;
- (c) both the lessor and the lessee have full knowledge of the purpose for which the said land is or is to be utilized;
- (d) the purpose for which the said land is or is to be utilized represents the highest and best use thereof; and
- (e) the lessee shall be responsible for all costs, expenses, payments and expenditures so as to secure to the lessor a net rent free and clear from all deductions, abatement or set-off throughout the term.

"Appraiser" means a person who is experienced as an appraiser of real estate and is either established in such business or employed in the Public Service of Canada in such capacity.

"Revised Annual Rent" means the sum established pursuant to Clause 19 or 20, as the case may be.

"Market Rent Appraisal" means a written opinion of Market Rent obtained from an Appraiser.

"Rent Review Date" is the anniversary date of this Lease on which the Revised Annual Rent shall become effective as set out in subclause 19 (2).

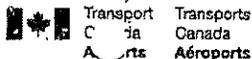
(2) Notwithstanding anything in this Lease contained, the Revised Annual Rent shall be fixed as of the first day of April 2000 and thereafter every five (5) years for the balance of the term of this Lease in the manner hereinafter set out.

.../3

X

For the Lessee/Licensee - Pour le Locataire/

For the Minister - Pour le Ministre



LEASE - BAIL       LICENCE - PERMIS

AIRPORT - AÉROPORT Abbotsford	LEASE/LICENCE NO./N° DU BAIL/PERMIS PR 782 (93545)	LEGAL NAME OF LESSEE/LICENSÉ NOM LÉGAL DU LOCATAIRE/TITULAIRE Canada Agriculture	EFFECTIVE DATE - DATE D'ENTRÉE EN VIGUEUR 95 04 01	FILE NO. - N° DE DOSSIER TKC5163- P101-051
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**ADDITIONAL CONDITIONS - CONDITIONS ADDITIONNELLES**

- (3) (a) The Lessor shall give to the Lessee, at least two hundred and forty (240) days prior to the Rent Review Date, a notice of Revised Annual Rent ("Notice of Revised Annual Rent") which is to be effective upon such date and thereafter for the next five (5) years of the term of this Lease and, subject to subclause 19 (3)(b) and 19 (6), if no Notice of Revised Annual Rent is given, rent currently payable shall continue to be effective upon the Rent Review Date and thereafter for the next five (5) years of the term of this Lease.
- (b) Any failure to give such notice within the time stated herein shall not render void the right of the Lessor to require the determination of Revised Annual Rent as herein provided, such Rent to be paid and payable from and upon the date upon which such determination is made, and thereafter in accordance with the terms of this Lease.
- (4) The Revised Annual Rent set out in the Notice of Revised Annual Rent shall be effective on the Rent Review Date and thereafter for the next five (5) years of the term of this Lease unless, within the sixty (60) days next following the giving of such Notice, the Lessee disputes the Revised Annual Rent as therein set out in the manner prescribed in subclause 19 (5).
- (5) If the Lessor gives the Lessee a Notice of Revised Annual Rent, the Lessee may dispute such Revised Annual Rent as therein set out by, within the fifteen (15) days next following the giving of such Notice, advising the Lessor in writing of such intention to so dispute and by giving to the Lessor, within the forty-five (45) days next following such fifteen (15) day period, a statement of Market Rent supported by an attached Market Rent Appraisal ("Statement of Market Rent").
- (6) If the Lessor fails to give the Lessee a Notice of Revised Annual Rent pursuant to subclause 19 (3), the Lessee may, not less than one hundred and eighty (180) days prior to the Rent Review Date, give the Lessor a Statement of Market Rent supported by an attached Market Rent Appraisal.
- (7) If the Lessee fails to give to the Lessor a Statement of Market Rent pursuant to subclause 19 (5) or 19 (6), the Revised Annual Rent effective upon the Rent Review Date and thereafter for the next five (5) years of the term of this Lease shall be either:
  - (a) in the case of failure under subclause 19 (5), the rent set out in the Notice of Revised Annual Rent, or
  - (b) in the case of failure under subclause 19 (6), the rent currently payable under this Lease, subject to the rights of the Lessor under subclause 19 (3)(b).
- (8) If the Lessee gives the Lessor a Statement of Market Rent pursuant to subclause 19 (5) or 19 (6), the Market Rent therein set out shall be effective as the Revised Annual Rent on the Rent Review Date and thereafter for the next five (5) years of the term of this Lease unless, within the sixty (60) days next following the giving of the Lessee's Statement of Market Rent, the Lessor disputes the Market Rent as set out in the Lessee's Statement of Market Rent in the manner prescribed in subclause 19 (9).

.../4

X

*[Signature]*

For the Lessee/Licensee - Pour le Locataire/

*[Signature]*

For the Minister - Pour le Ministre



LEASE - BAIL  LICENCE - PERMIS

AIRPORT - AÉROPORT Abbotsford	LEASE/LICENCE NO./N° DU BAIL/PERMIS PR 782 (93545)	LEGAL NAME OF LESSEE/LICENSÉE NOM LEGAL DU LOCATAIRE/TITULAIRE Canada Agriculture	EFFECTIVE DATE - DATE D'ENTRÉE EN VIGUEUR 95 04 01	FILE NO. - N° DE DOSSIER TKC5163- P101-051
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ADDITIONAL CONDITIONS - CONDITIONS ADDITIONNELLES

- (9) If the Lessee gives the Lessor a Statement of Market Rent pursuant to subclause 19 (5) or 19 (6), the Lessor may dispute such Market Rent as therein set out by, within the fifteen (15) days next following the giving of such Statement, advising the Lessee in writing of such intention to so dispute and by giving to the Lessee, within the forty-five (45) days next following such fifteen (15) day period, a Statement of Market Rent supported by an attached Market Rent Appraisal.
- (10) If the Lessor disputes the Lessee's Statement of Market Rent pursuant to subclause 19 (9), the parties shall, within the fifteen (15) days next following the giving of the Lessor's Statement of Market Rent to the Lessee, each appoint an Appraiser who shall meet with or otherwise contact an Appraiser appointed by the other party, which Appraisers shall agree upon a Market Rent within the thirty (30) days next following the later of the two appointments.
- (11) If either party fails to appoint an Appraiser pursuant to subclause 19 (10), the Revised Annual Rent, to be effective upon the Rent Review Date and thereafter for the next (5) years of the term of this Lease, shall be the Market Rent set out in the Statement of Market Rent given by the party not in default of such appointment.
- (12) If both parties fail to appoint an Appraiser pursuant to subclause 19 (10), the Revised Annual Rent, to be effective upon the Rent Review Date and thereafter for the next five (5) years of the term of this Lease, shall be the Market Rent set out in the Lessor's Statement of Market Rent given to the Lessee pursuant to subclause 19 (9).

20. ARBITRATION OF RENTAL DISPUTES

- (1) If the Appraisers appointed by the parties pursuant to subclause 19 (10) meet or otherwise contact each other and agree upon a Market Rent within the thirty (30) days next following the later of such appointments, the Market Rent so determined shall be established as the Revised Annual Rent to be effective upon the Rent Review Date and thereafter for the next five (5) years of the term of this Lease.
- (2) If the Appraisers appointed by the Parties pursuant to subclause 19 (10) fail to meet or otherwise contact each other within the thirty (30) days next following the later of such appointments, the Market Rent set out in the Lessor's Statement of Market Rent given to the Lessee pursuant to subclause 19 (9) shall be established as the Revised Annual Rent to be effective upon the Rent Review Date and thereafter for the next five (5) years of the term of this Lease.
- (3) If the Appraisers appointed by the Parties meet or otherwise contact each other within the thirty (30) days next following the later of such appointments but fail to agree upon a Market Rent, the Appraisers shall, within the fifteen (15) days next following such thirty (30) day period, agree upon and appoint a Third Appraiser ("Third Appraiser"), who shall act as arbitrator and shall determine a Market Rent based on the Market Rent Appraisals of the Appraisers referred to in subclause 19 (10) within the thirty (30) days next following such appointment.

.../5

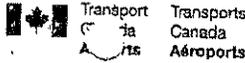
X

*[Signature]*

For the Lessee/Licensee - Pour le Locataire/

*[Signature]*

For the Minister - Pour le Ministre



LEASE - BAIL  LICENCE - PERMIS

AIRPORT - AEROPORT Abbotsford	LEASE/LICENCE NO. - N° DU BAIL/PERMIS PR 782 (93545)	LEGAL NAME OF LESSEE/LICENSEE NOM LEGAL DU LOCATAIRE/TITULAIRE Canada Agriculture	EFFECTIVE DATE - DATE D'ENTREE EN VIGUEUR 95 04 01	FILE NO. - N° DE DOSSIER TKC5163- P101-051
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ADDITIONAL CONDITIONS - CONDITIONS ADDITIONNELLES

- (4) If the Appraisers appointed by the Parties cannot agree upon a Market Rent and fail to appoint a Third Appraiser who accepts the assignment pursuant to subclause 20 (3), either party may, within the fifteen (15) day period allocated to the Appraisers for appointment of the Third Appraiser, request the President of the Appraisal Institute of Canada or its successor, or if that Institute or successor ceases to exist, some equivalent national Canadian Real Estate Appraisal Organization, within the fifteen (15) days next following such request, to appoint a Third Appraiser who shall determine a Market Rent within the thirty (30) days next following such appointment.
- (5) If the Third Appraiser is appointed pursuant to subclause 20 (3) or 20 (4), the Revised Annual Rent effective upon the Rent Review Date and thereafter for the next five (5) years of the term of this Lease shall be either the Market Rent as determined by the Third Appraiser or if the Third Appraiser fails to determine the Market Rent within the thirty (30) days next following his appointment, the Market Rent set out in the Lessor's Statement of Market Rent given to the Lessee pursuant to subclause 19 (9).
- (6) If the Third Appraiser is not appointed pursuant to subclause 20 (3) or 20 (4), the Revised Annual Rent effective upon the Rent Review Date and thereafter for the next five (5) years of the term of this Lease shall be the Market Rent set out in the Lessor's Statement of Market Rent given to the Lessee pursuant to subclause 19 (9).
- (7) Any and all fees for the selection of, and services rendered by, the Third Appraiser shall be payable equally between the Lessor and the Lessee.
- (8) Time is of the essence to the foregoing appraisal arbitration process.
- (9) If the Lessee refuses to pay the Revised Annual Rent as hereinbefore provided, this Lease may be cancelled and determined at any time by notice in writing signed by or on behalf of the Minister and either given to the Lessee or any officer of the Lessee or mailed addressed to the last known place of business or office of the Lessee at any of Her Majesty's Post Offices, and seven (7) days after the giving or mailing of such written notification, this Lease shall be determined and ended.

21. SALE OR OTHER DISPOSITION OF AIRPORT

In the event of a sale or other disposition by the Lessor of the Abbotsford Airport, of which the said land constitutes a part, the Lessee acknowledges that by operation of the law of British Columbia it shall be deemed to have attorned to the successor-in-interest of the Lessor, and shall, upon request attorn in writing to such successor-in-interest, and to the extent that the successor-in-interest assumes the covenants and obligations of the Lessor, the Lessee hereby releases the Lessor from all liability which may arise with respect to such covenants and obligations.

X

*[Signature]*

For the Lessee/Licensee - Pour le Locataire/

*[Signature]*  
For the Minister - Pour le Ministre

99407

DUPLICATE

ORIGINAL

NO. Attach to 93545

DEPARTMENT OF TRANSPORT

SUPPLEMENTAL AGREEMENT

B E T W E E N

HER MAJESTY THE QUEEN

- and -

CANADA AGRICULTURE

Date of Authorization.....P.C. 1967-12/1070 June 1, 1967

Date of Supplemental Agreement. *January 6, 1975*

Public Work Affected.....Airport Properties, Abbotsford Airport, B.C.

Description.....Amend Lease No. 93545 by adding 11 acres.

DEPARTMENTAL REFERENCE

FILE No. 5156-P101 (PAOM)

MEMORANDA

VR# 438

04-0005 (504)

100A	5
Doc# Box No. Doc. No.	
File Reference	
Entered by	Date

99407

THIS INDENTURE made this *6th* day of *January*,  
One thousand nine hundred and ~~seventy-four~~ *five*;

BETWEEN -

HER MAJESTY THE QUEEN, represented herein by the  
Minister of Transport, hereinafter called "the Lessor",  
Of the First Part;

- and -

Canada Agriculture  
Research Station  
6660 N.W. Marine Drive  
Vancouver, B.C.  
hereinafter called "the Lessee",

Of the Second Part.

WITNESSETH that the Lessor and the Lessee hereby mutu-  
ally covenant and agree, as follows:-

1. That the Lease dated the *tenth* day of *July*  
1972, (bearing No. *93545* in the records of the Department of  
Transport and hereinafter referred to as "the said Lease") granted  
by the Lessor to the Lessee of -

ALL AND SINGULAR that certain parcel of land  
situate, lying and being comprised in Abbotsford Air-  
port at or in the vicinity of Abbotsford in the Prov-  
ince of British Columbia; the said land comprising an  
area of ten (10) acres, more or less, and being more  
particularly shown shaded and outlined on Drawing No.  
A1-L-219F, dated May 4, 1972, thereto annexed,

for a term or period of one (1) year commencing on the first day of April,  
1972 and thereafter from year to year and as amended by Agreement supplem-  
entary thereto dated June 11, 1973, all of which will by reference there-  
to at length more fully appear,

*W*

**further**  
is hereby amended effective the *first* day of *January*, 1975  
as follows:-

- (a) By striking out the Description on page one (1) of the said Lease and substituting therefor the following Description:-

"ALL AND SINGULAR that certain parcel of land (hereinafter referred to as "the said land ") situate, lying and being comprised in Abbotsford Airport (hereinafter referred to as "the said airport") at or in the vicinity of Abbotsford in the Province of British Columbia; the said land comprising an area of twenty-one (21) acres, more or less and being more particularly shown on Drawing No. A1-L-219F, dated May 4, 1972, as revised March 30, 1973 and further revised October, 1974, hereto annexed."

- (b) By attaching to the said Lease, amended as aforesaid, the Drawing No. A1-L-219F, dated May 4, 1972, as revised March 30, 1973 and further revised October, 1974, attached hereto, in substitution for the Drawings previously attached to the said Lease.

- (c) By striking out the Redendum Clause on page two (2) of the said Lease and substituting therefor the following Redendum Clause:-

"YIELDING AND PAYING therefor invariably in advance during the currency of this Lease unto the Lessor, through the Honourable the Receiver General of Canada, for the time being, in lawful money of Canada, the rent or sums computed as follows:-

(a) for the term or period commencing on the first day of January, 1975, and ending March 31, 1975 the rent or sum of SIXTY-EIGHT DOLLARS AND SEVENTY-FIVE CENTS (\$68.75) payable in advance, on the first day of January, 1975,

(b) for the term or period commencing April 1, 1975 the rent or sum of FIVE HUNDRED AND THIRTY-SEVEN DOLLARS AND FIFTY CENTS (\$537.50) per annum, payable in advance on the first day of April in each and every year."

- (d) By adding to the said Lease the following Clause No. 18:-

"20. Pursuant to the provisions of the statutes in such case made and provided, no member of the House of Commons of Canada, shall be admitted to any share or part of this Lease or to any benefit to arise therefrom."

*WJ*

2. That all the terms, covenants, provisoes, agreements, conditions and reservations in the said Lease, as amended by this Supplemental Agreement, set out and provided, shall be and continue in force and effect, mutatis mutandis, between the parties hereto.

IN WITNESS WHEREOF the parties hereto have executed these Presents the day and year first above written.

SIGNED, SEALED AND DELIVERED )  
by the Lessor in the presence of - )

*Maucle Larault*

*[Signature]*  
for Minister of Transport

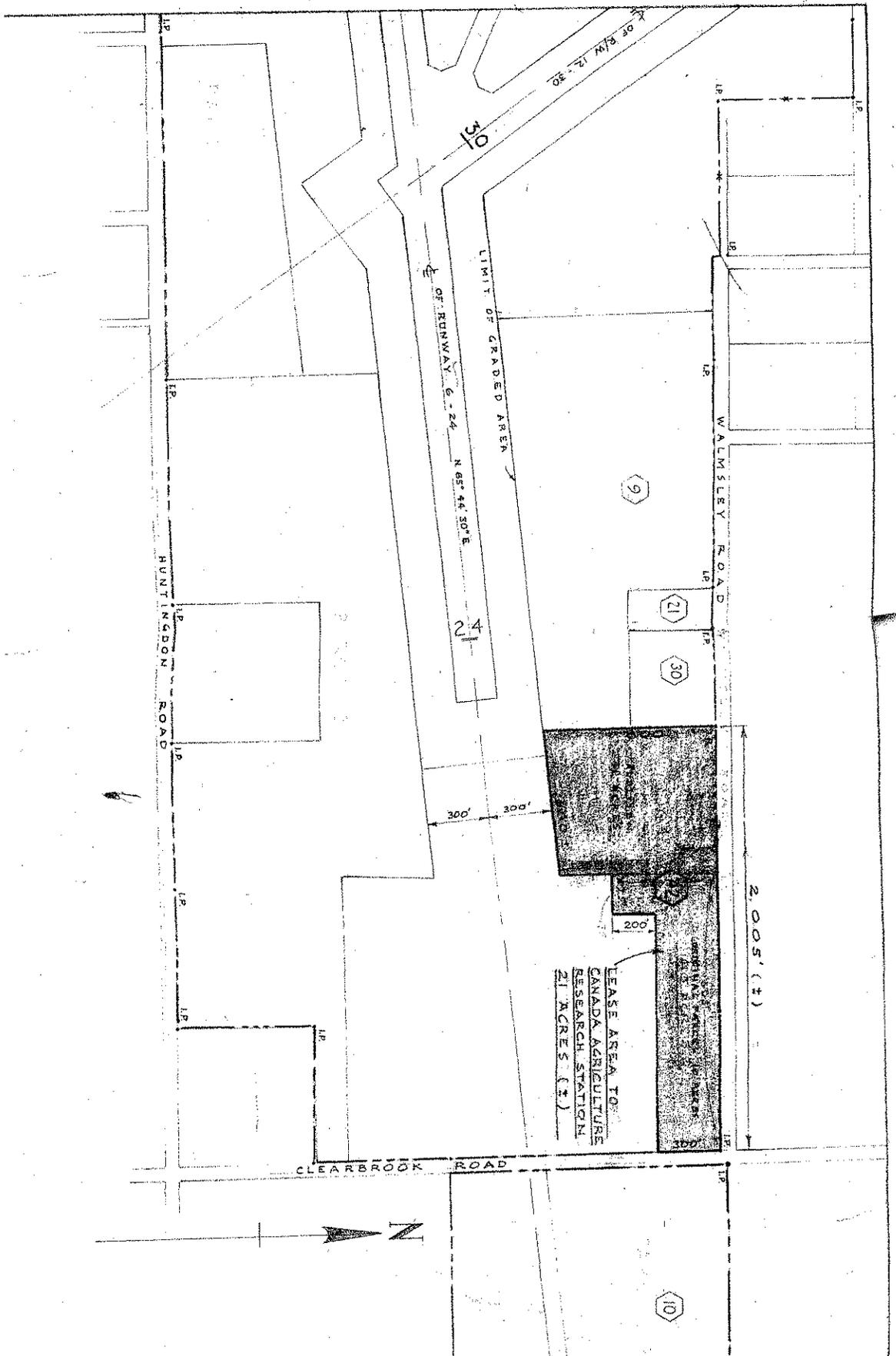
SIGNED, SEALED AND DELIVERED )  
by the Lessee in the presence of - )

*MMC Laballe*

*[Signature]*

for  
Deputy Minister of Agriculture

*C. J. B.*



W. OF R/W 12.30

10

W. OF RUNWAY 6-24 N 65° 44' 30" E

LIMIT OF GRADED AREA

24

9

21

30

300' 300'

200'

2,005' (±)

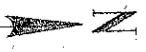
LEASE AREA TO  
CANADA AGRICULTURE  
RESEARCH STATION  
21 ACRES (±)

ORIGINAL SURVEY BY  
J. H. ...

HUNT INGON ROAD

WALMSLEY ROAD

CLEARBROOK ROAD



10

NO. **96149**

**96149**

DEPARTMENT OF TRANSPORT

SUPPLEMENTAL AGREEMENT

between

HER MAJESTY THE QUEEN

and

CANADA AGRICULTURE,

Date of Authorizing Order in Council P.C. 1967-12/1070 dated June 1, 1967

Date of Supplemental Agreement. *June 11, 1973*

Public Work Concerned.....Abbotsford, B.C.

Description.....Amending effective Dec. 1, 1972, Lease No. 93545  
dated July 10, 1972.

DEPARTMENTAL REFERENCE

FILE NO. 5163 - P 101 - 19 Vol. 1

MEMORANDA

*VR 361*

100A	5
Deed Box No.	Doc. No.
141/9920/03-11	
File Reference	
Entered By <i>JL</i>	Date <i>10/7/72</i>

THIS INDENTURE made this *11th* day of *June*  
One thousand nine hundred and **seventy-three**;

BETWEEN -

HER MAJESTY THE QUEEN, represented herein by the  
Minister of Transport, hereinafter called "the Lessor",  
Of the First Part;

- and -

**CANADA AGRICULTURE, Research Station,  
6660 N.W. Marine Drive, Vancouver 8,  
British Columbia,**

hereinafter called "the Lessee",

Of the Second Part.

WITNESSETH that the Lessor and the Lessee hereby mutu-  
ally covenant and agree, as follows:-

1. That the Lease dated the **tenth** day of **July**,  
**1972**, (bearing No. **93545** in the records of the Department of  
Transport and hereinafter referred to as "the said Lease") granted  
by the Lessor to the Lessee of -

**ALL AND SINGULAR that certain parcel of  
land situate, lying and being comprised  
in Abbotsford Airport at or in the vici-  
nity of Abbotsford in the Province of  
British Columbia; the said land comprising  
an area of ten (10) acres, more or less,  
and being more particularly shown shaded  
and outlined on Drawing No. A1-L-219F,  
dated May 4, 1972, thereto annexed,  
for a term or period of one (1) year, commencing on the first  
day of April, 1972, and thereafter from year to year, all of  
which will by reference thereto at length and more fully  
appear,**

*WS*

is hereby amended effective the **first** day of **December, 1972**,  
as follows:-

(a) By striking out the description of the said land on page one of the said Lease and substituting therefor the following:-

"ALL AND SINGULAR that certain parcel or tract of land (hereinafter referred to as "the said land") situate, lying and being comprised in Abbotsford Airport (hereinafter referred to as "the said airport") at or in the vicinity of Abbotsford in the Province of British Columbia; the said land comprising an area of ten and five tenths (10.5) acres, more or less, and on the location shown shaded and outlined on the Drawing No. A1-L-219F, dated May 4, 1972, (Revised March 30, 1973) hereto annexed."

(b) By attaching to the said Lease the Drawing No. A1-L-219F, dated May 4, 1972, (Revised March 30, 1973) attached hereto in substitution for the Drawing attached to the said Lease.

(c) By striking out the Reddendum on page two of the said Lease and substituting therefor the following:-

"YIELDING AND PAYING therefor, invariably in advance, unto the Lesser, through the Honourable the Receiver General of Canada for the time being, for the term or period commencing on the first day of December, 1972, and ending on the thirty-first day of March, 1973, the rent or sum of FOUR DOLLARS AND FIFTY CENTS (\$4.50) of lawful money of Canada, and thereafter, in like manner, commencing on the first day of April, 1973, and during the currency of this Lease, the rent or sum of TWO HUNDRED AND SIXTY-TWO DOLLARS AND FIFTY CENTS (\$262.50) per annum."

(d) By adding to the said Lease as Clause No. 18 thereof, the following:-

"18. That the Lessee shall accede to and abide by any appropriate federal, provincial, territorial and/or municipal or local environmental protection statutes."

2. That all the terms, covenants, provisos, agreements, conditions and reservations set out and provided in the said Lease, as amended by this Supplemental Agreement shall be and continue in force and effect, mutatis mutandis, between the parties hereto.



IN WITNESS WHEREOF the parties hereto have executed these Presents the day and year first above written.

SIGNED, SEALED AND DELIVERED by the Lessor in the presence of -

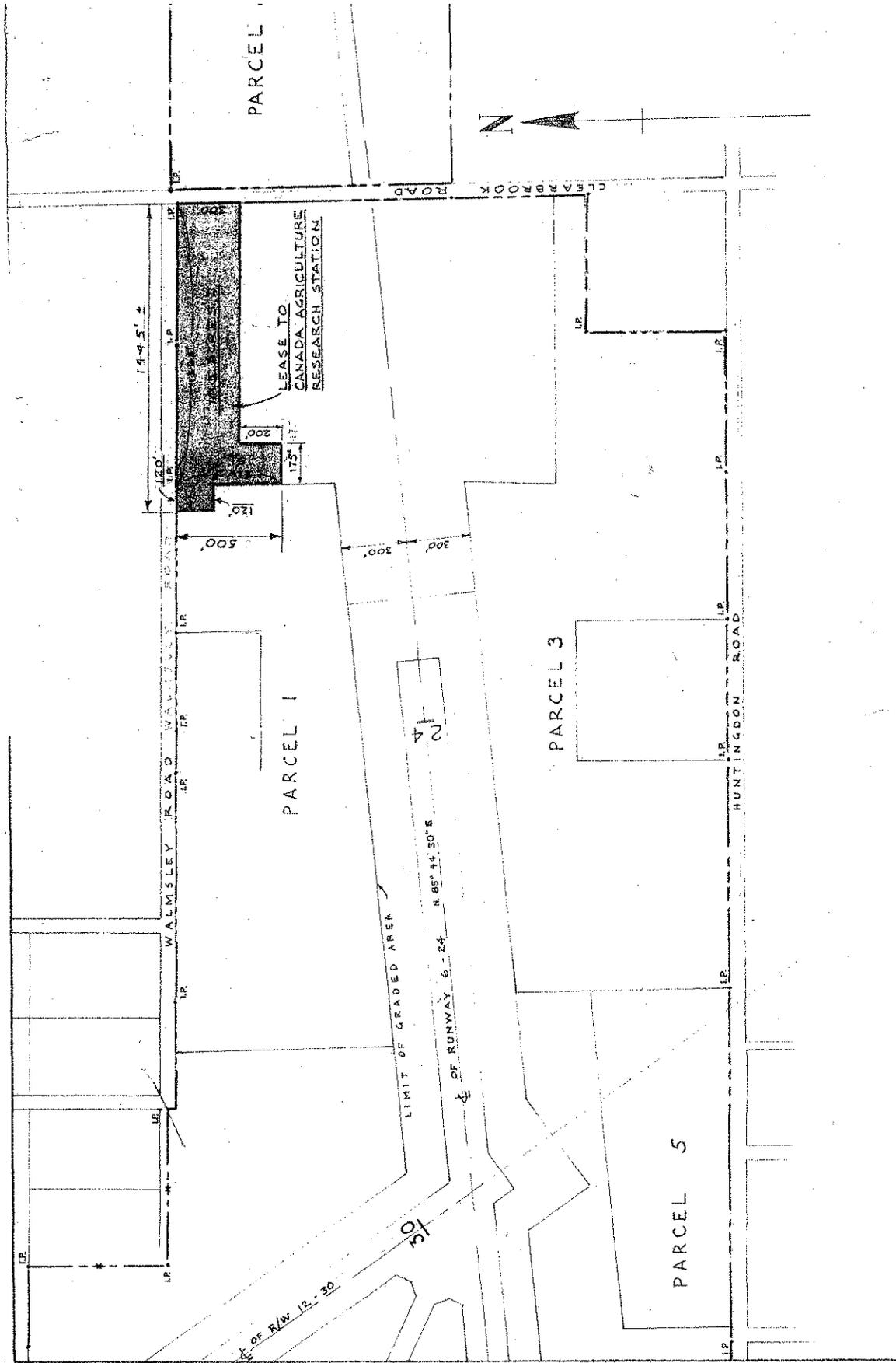
*Maucelle Loraault*

*W.D. Gray*  
for Minister of Transport

SIGNED, SEALED AND DELIVERED by the Lessee in the presence of -

*S. Saunders*

*L.C. Cadburn*  
for  
Deputy Minister of Agriculture



93545

No. PACIFIC 782

DEPARTMENT OF TRANSPORT

LEASE  
HER MAJESTY THE QUEEN

TO

CANADA AGRICULTURE, Research Station,  
6660 N.W. Marine Drive, Vancouver 8, British Columbia.

93545

**Date of Authorizing Order in Council** P.C. 1967-12/1070 dated June 1, 1967.

**Date of Lease** July 10/72.

**Public Work Affected** Airports & Properties - ABBOTSFORD AIRPORT, B.C.

**Lands or Rights Demised** Parcel of land 10 acres, more or less, for cultivation of strawberries and other ground crops for research purposes.

**Beginning of Term** April 1, 1972

**End of Term** Pleasure - 30 days notice.

**Rental: Payable** \$250.00 per annum in advance.

**Departmental Reference File No.** 5163-P101 (PAOS) 5163-807-19 Vol. 1.

MEMORANDA

Abbotsford VR# 331

100A 5  
Deed Box No. Doc. No.  
141/9920/03-4  
File Reference  
Entered by [Signature] Date 21/7/72

This Indenture MADE THIS *10th*. DAY OF *July*.

one thousand nine hundred and **seventy-two**,

Between -

HER MAJESTY THE QUEEN, represented herein by the Minister of Transport, acting under the provisions of Chapter 79 of The Revised Statutes of Canada, 1952, and of the 35th section of the Expropriation Act, and under the Authority of an Order in Council dated the

**First** day of **June**,

A.D., **1957**, hereinafter called "the Lessor",

Of the First Part;

-and-

CANADA AGRICULTURE,  
Research Station,  
6660 N.W. Marine Drive,  
Vancouver 8, British Columbia,

hereinafter called "the Lessee",

Of the Second Part.

Witnesseth that the Lessor, in consideration of the rents, covenants, provisoes and conditions hereinafter reserved and contained, hath demised and leased, and, by these presents, doth demise and lease unto the Lessee:

ALL AND SINGULAR that certain parcel of land (hereinafter referred to as "the said land") situate, lying and being comprised in Abbotsford Airport (hereinafter referred to as "the said airport") at or in the vicinity of ABBOTSFORD in the Province of British Columbia; the said land comprising an area of ten (10) acres, more or less, and being more particularly shown shaded and outlined on Drawing No. A1-L-219F, dated May 4, 1972, hereto annexed.

*26.26.*

TO HAVE and TO HOLD the said land unto the Lessee, from and after the **first**  
 day of **April** one thousand nine hundred and **seventy-two**,  
 for a term or period of **one (1) year** and thereafter from  
 year to year.

YIELDING and PAYING therefor **invariably in advance**, during the  
 currency of this Lease, unto the Lessor through the Honourable  
 the Receiver General of Canada for the time being, in lawful  
 money of Canada, the rent or sum of **TWO HUNDRED AND FIFTY DOLLARS**  
 (\$250.00) per annum, payable on the first day of April in each  
 and every year, commencing April 1, 1972.

It is agreed that the word "Lessor" when used herein shall mean the Sovereign and shall include the Successors and Assigns of the Sovereign; the word "Lessee" or other words relative thereto, or of like import, shall mean and include, irrespective of gender or number, the party or parties of the second part as above designated or described, and their or any of their executors, administrators, successors or assigns; the word "Minister" shall mean the person holding the position, or acting in the capacity, of the Minister of Transport, for the time being, and shall include the person holding the position, or acting in the capacity, of the Deputy Minister of Transport, for the time being; the words

- - **Director** - - , shall mean the **Pacific Regional Director, Canadian Air Transportation Administration**  
 for the time being, of the Department of Transport of Canada, or such person duly appointed to act in that behalf.

And further agreed by and between the said parties hereto that these Presents are made and executed upon and subject to the covenants, provisos, conditions and reservations hereinafter set forth and contained, and that the same and every of them, representing and expressing the exact intention of the parties, are to be strictly observed, performed and complied with, namely:-

1. That the Lessee will pay all rental herein reserved at the time and in the manner in these Presents set forth, without any abatement or deduction whatever.
2. That the Lessee will pay or cause to be paid all rates, taxes and assessments, of whatsoever description, that may at any time during the existence of these Presents be lawfully imposed, or become due and payable, upon, or in respect of the said land, or any part thereof.
3. That the Lessee shall in all respects abide by and comply with all lawful rules, regulations and by-laws of municipalities and other governing bodies, in any manner affecting the said land.
4. That the Lessee shall not make any assignment of these Presents, nor any transfer or sub-lease of any of the lands, rights or privileges demised or leased hereunder, without obtaining the consent in writing of the Minister to such assignment, transfer or sub-lease, which consent shall not be unreasonably withheld.

11. 21.



forthwith remove from the said land all supplies, articles, equipment, materials, effects and things at any time brought or placed thereon by the Lessee, and shall also, to the satisfaction of the Minister, repair all and every damage and injury occasioned to the lands and premises of the Lessor by reason of such removal or in the performance thereof, but the Lessee shall not, by reason of any action taken or things performed or required under this clause, be entitled to any compensation whatever, ~~except compensation as in clause No. 12 hereof provided~~; Provided that, unless required by the Minister, no goods, chattels, materials, effects or things shall be removed from the premises of the Lessor until all rent due or to become due under this Lease is fully paid.

17. That if the rent above reserved, or any part thereof, shall be in arrear, or unpaid for thirty days next after any of the days or times hereinbefore appointed for the payment thereof, whether or not the same shall have been in any manner demanded, or in case default, breach or non-observance be made or suffered by the Lessee at any time or times, in, or in respect of any of the covenants, provisoes, conditions and reservations herein contained, which on the part of the Lessee ought to be observed or performed, then, and in every such case, it shall be lawful for the Lessor, Her servants or agents, to re-enter and thereafter to have, possess and enjoy the said land and all improvements thereon.

And no acceptance of rent subsequent to any breach or default, other than non-payment of rent, nor any condoning, excusing or overlooking by the Lessor on previous occasions of breaches or defaults similar to that for which re-entry is made shall be taken to operate as a waiver of this condition nor in any way to defeat or affect the rights of the Lessor hereunder.

12. That if this Lease is terminated by the Lessor pursuant to Clause No. 16 hereof, the Lessee shall not, by reason of such termination, be entitled to any compensation for any crops which may be destroyed or which cannot be harvested.



IN WITNESS WHEREOF the parties hereto have executed these Presents the day and year first above written.

SIGNED, SEALED AND DELIVERED  
by the Lessor in the presence of-

H. Whitmarsh  
for Minister of Transport



SIGNED, SEALED AND DELIVERED  
by the Lessee in the presence of-

Jean B Thomas

Deputy Minister of Agriculture





Branch - Section / Direction générale - Section

LDU No. / N° de l'ERT

~~465-2-7/P9025/3~~  
Date revised / Date de révision

**Research**  
Site Name / Nom du lieu

5911014267

March 9, 1992

**Experimental Sub-Station**  
Date (Purchase - Lease / achat - location)

Total (Acres - Hectares - m<sup>2</sup>)

16555 Doc. 001  
Site Location / Emplacement du lieu

Experimental Sub-Station  
3 miles South of Abbotsford  
Abbotsford, British Columbia

July 16, 1945

18.87 acres / 7.6 ha

Acquisition Cost / Coût d'achat

Former Owner / Propriétaire précédent

Owned  
Possession de la couronne

**Transfer**

Department of Transport

Leased Direct  
Loué directement

Letting  
Cession à bail

Date expiry / Date d'échéance

Rental Cost / Coût du loyer

Lessor - Lessee / Bailleur - Locataire

Related Building Inventory Records  
Dossier relié à l'inventaire du bâtiment

Related Misc. Agreement Records  
Dossier d'accord divers

Survey Plan Reference No. / N° du plan d'arpentage

5211

Authority and Registration Reference / Référence et autorisation

Certificate of Title #188696E dated July 16, 1945, registered in New Westminster on July 17, 1945.

Description and Purpose of Property / Description et but du terrain

That piece of land situated in the municipality of Matsquis, described as Lot 60 of the NW 1/4 of Section 5, Township 16, District of New Westminster. Approx. 3 miles South West of Abbotsford.

Remarks / Remarques

Land Sold / Terrain vendu



From Certificate No. 182475E

No. 188696E

This Certificate of Indefeasible Title is void as against the title of any person adversely in actual possession of and rightly entitled to the hereditaments included in same at the time of the application upon which this Certificate was granted, and he continues in possession, and is subject to--

- a.) The subsisting exceptions or reservations contained in the original grant from the Crown:
b.) Any Dominion or Provincial tax, rate, or assessment at the date of the application for registration imposed or made a lien or which may thereafter be imposed or made a lien on the land:
c.) Any municipal charge, rate, or assessment at the date of the application for registration imposed or which may thereafter be imposed on the land, or which had theretofore been imposed for local improvements or otherwise and which was not then due and payable, including any charge, rate, or assessment imposed by any public corporate body having taxing powers over an area in which the land is situated:
d.) Any lease, or agreement for lease, for a period not exceeding three years, where there is actual occupation under the same:
e.) Any public highway or right-of-way, water-course, or right of water, or other public easement:
f.) Any right of expropriation by Statute:
g.) Any lis pendens or mechanic's lien, judgment, caveat, or other charge, or any assignment for the benefit of creditors or receiving order or authorized assignment under the "Bankruptcy Act," registered since the date of the application for registration:
h.) Any condition, exception, reservation, charge, lien, or interest noted or endorsed hereon:
i.) The right of any person to show that the whole or any portion of the land is by wrong description of boundaries or parcels improperly included in this certificate:
j.) The right of any person to show fraud, wherein the registered owner or wherein the person from or through whom the registered owner derived his right or title otherwise than bona fide for value has participated in any degree.

Certificate of Indefeasible Title

Date of Application for registration, the Twenty-fifth day of June, 1945

Register, Vol. 188696E

This is to certify that HIS MAJESTY THE KING IN THE RIGHT OF THE DOMINION OF CANADA

is absolutely and indefeasibly entitled in fee-simple, subject to such charges, liens, and interests as are notified by endorsement hereon, and subject to the conditions, exceptions, and reservations set out hereon, to

that piece of land situate in the Municipality of Matsqui and Province of British Columbia, and more particularly known and described as:--

Lot Sixty (60) of the North West Quarter of Section Five (5) Township Sixteen (16) Map Five Thousand Two Hundred and Eleven (5211)

in the District of New Westminster

THE FOLLOWING PIECES OF LAND HAVE BEEN TRANSFERRED:

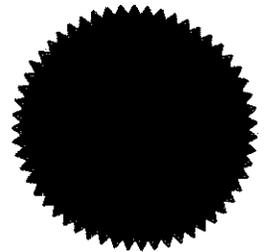
Table with 2 columns: Land, Cert. No.

In witness whereof I have hereunto set my hand and seal of office at New Westminster, British Columbia, this 18th day of July 1945

[Signature]

[over.]

Registrar.







465-2-7/P9030/3

Branch - Section / Direction générale - Section		LDU No. / N° de l'ERT	Date revised / Date de révision
Research Site Name / Nom du lieu		5909032267 16479 Doc.001	March 9, 1992
Date ( Purchase - Lease / achat - location)	Total (Acres - Hectares - m <sup>2</sup> )	Site Location / Emplacement du lieu	
May 2, 1889	98.68 a / 39.9 92.36 acres / 37.4 ha	Research Station Highway #7 Agassiz, British Columbia	
<input checked="" type="checkbox"/> Owned Possession de la couronne	Acquisition Cost / Coût d'achat \$4,504.00	Former Owner / Propriétaire précédent Mary Caroline Agassiz	
<input type="checkbox"/> Leased Direct Loué directement	<input type="checkbox"/> Letting Cession à bail	Date expiry / Date d'échéance	Rental Cost / Coût du loyer
Lessor - Lessee / Bailleur - Locataire			
Related Building Inventory Records Dossier relié à l'inventaire du bâtiment		Related Misc. Agreement Records Dossier d'accord divers	Survey Plan Reference No. / N° du plan d'arpentage BC2559 ?
Authority and Registration Reference / Référence et autorisation Deed document #D2748 dated May 2, 1889. <del>Deed of encumbrances #276776 dated March 20, 1969.</del> Absolute Title 12-301-4093A assumed date of April 9, 1889. (no copy on file - see letter dated January 27, 1969.)			
Description and Purpose of Property / Description et but du terrain All that portion of land situated in Township 3 <sup>rd</sup> , Range 28, W6M, New Westminster and forming part of the land known on District official Yale-Lytton District as Lot 19, Group 1. Including all mines and minerals. 101.1 a Lot 30 Group 1. (no title at 450.) 190.4 a			
Remarks / Remarques 0.344 acres was transferred to the RCMP under P.C. #1964-2/1432 dated September 17, 1964 and was transferred back to Agriculture Canada by Justice under P.C. #1974-945 dated April 23, 1974.			
Land Sold / Terrain vendu 0.375 a (LOT 16) 6.7 acres was transferred to the Prov. of British Columbia under P.C. #1977-1/3327 dated November 24, 1977. 1.04 acres was transferred to the RCMP under P.C. #1981-1737 dated June 25, 1981. (LOT 19)			

141/9030/03-11

ADDRESS ALL COMMUNICATIONS TO  
THE REGISTRAR

LAND REGISTRY OFFICE  
New Westminster, B.C.

IN YOUR FILE PLEASE REFER TO Mr. J. Small

FILE NO. 806



January 27, 1969

Canada Department of Agriculture  
Parliament Buildings  
Ottawa 3, Canada

Attention: L.R. Radburn, Esq.  
Property and Buildings  
Management

Re: Agassiz Research Station

Dear Sir:

I am in receipt of your letter of January 7, 1969, enclosing copy of conveyance dated 2 May 1889.

The enclosed conveyance was registered in this office on 9th April, 1889 and an Absolute Title issued under 12-301-4093A.

A Certificate of Indefeasible Title has not been issued for the land described in the conveyance.

Yours truly,

C.J.S. Farrand,  
Registrar.

Per: *uff*

WJS/mah  
encs.

2 1  
141/9030/03-11  
30/1/69  
*uff*

*Land Registry Ordinance 1870*  
FOR MAKER OF A DEED.

*Log 402* (2-1)

I HEREBY CERTIFY that

*Mary Caroline Aganiz*

personally known to me, appeared before me, acknowledged to me that *she is* the person mentioned in the annexed Instrument as the maker thereof, and whose name *is* — subscribed thereto as part *y* — that *she* knows the contents thereof, and that *she* — executed the same voluntarily.

*Draft of Deed of Land below this*

In testimony whereof I have hereto set my Hand and Seal of Office at *Aganiz* this *second* day of *May* in the year of Our Lord One Thousand Eight Hundred and Eighty-*nine*

*L.A. Aganiz J.P. (seal)*

Deed 2-11  
Box  
69403

THIS INSTRUMENT made the <sup>9<sup>th</sup></sup> day of May A.D. 1889

BETWEEN Mary Caroline Agassiz of New Westminster District in the Province of British Columbia, Widow, of the late Lewis Mann Agassiz of the one part and Her Most Gracious Majesty Queen Victoria of the other part

WHEREAS by deed bearing date the 27th day of November 1888 and made between William Charles and the Venerable Charles Thomas Woods who are thereafter referred to as the said Trustees of the one part and Her said Majesty of the other part

After reciting that by deed bearing date the 18th day of May 1875 the lands thereby conveyed or expressed or intended so to be were conveyed by the said Lewis Mann Agassiz to the said Trustees And reciting that the Honourable the Minister of

Agriculture of the Dominion of Canada for and in the name of Her said Majesty had required and taken the lands thereby conveyed or expressed or intended so to be for the purposes of

an Experimental Farm and had contracted with the said Trustees for the purchase thereof for the sum of \$4504.50 being at the rate of \$45.00 per acre, and that it had been agreed by him and the said Trustees that he in exercise of the power him in that behalf enabling should acquire title to the said land under the

Expropriation Act, IT WAS WITNESSED that the said Trustees did thereby for the consideration therein mentioned grant release and surrender unto Her said Majesty Her Heirs and Successors

all and singular the lands hereditaments and premises herein after described and hereby <sup>conveyed or otherwise</sup> assured or expressed or intended so to be

AND WHEREAS the said Mary Caroline Agassiz is desirous



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that the purchase of the said land by the Crown should be completed without further delay and at the request of the said Minister has agreed to execute these presents for the purpose of assuring unto the Crown all her right title and interest in the said land

AND THIS INSTRUMENT WITNESSETH that in pursuance of the said agreement and in consideration of the premises and of the sum of \$1.00 to the said Mary Caroline Agassiz in land paid by the said Minister on behalf of Her said Majesty, the receipt whereof is hereby acknowledged, She the said Mary Caroline Agassiz doth hereby grant release and surrender unto Her said Majesty Her Heirs and Successors ALL the estate right title and interest of Her the said Mary Caroline Agassiz of in and to ALL and singular that certain piece or parcel of land situate in Township 30 New Westminster District in the Province of British Columbia and forming that part of the land known on the Official map of Yale-Lytton District as Lot 19 (nineteen) Group I (one) which may be described as follows:-  
Starting from original post at North West corner of Lot No. 36 Group I (one) thence running South 49 11 East (true) for 35.92 chains to a new post on the Western boundary of Lot 36, being the North East corner of the parcel of land, being portion of the said Lot 19 hereby conveyed or intended so to be, thence running South 41 02 West (true) for 25.52 chains to a new post on the line of the Harrison Hot Springs Road, being the North West corner of the parcel of land hereby conveyed or intended so to be, thence running South 49 25 East (true) along line of Harrison Hot Springs Road for 22.01 chains to a new post on line of wire fence defining the Canadian Pacific Railway

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property, being the South West corner of the said parcel of land thence running South 86 18 East (true) along line of railway fence for 15.65 chains, thence running South 5 42 West (true) along line of railway fence for 1.51 chains, thence South 86 18 East (true) along line of railway fence for 16.25 chains to a new post at South West corner of the said parcel of land, thence running North 41 02 East (true) along old line for 8.88 chains to original post at South West corner of Lot 36, and thence North Westerly along Western boundary of Lot 36 for 49.04 chains to the aforesaid new post at North East corner of the said parcel of land and containing one hundred and one tenth acres more or less, Together with the mines and minerals thereunder belonging to the said Trustees and all ways and <sup>let or</sup> ~~rights~~ rights of way and watercourses rights easements and appurtenances to the said premises belonging or held or enjoyed therewith, And she the said Mary Caroline Agassiz doth hereby for herself her heirs executors and administrators covenant with Her said Majesty Her heirs and successors and assigns that she the said Mary Caroline Agassiz has not done omitted or knowingly suffered or been party or privy to anything whereby the said premises hereinbefore expressed to be hereby granted or any of them or any part thereof are is or may be impeached affected or incumbered in title estate or otherwise howsoever or whereby she is in anywise hindered from granting the same premises in favour aforesaid, And further that she and her heirs will at the cost of the person or persons requiring the same execute and do all such further assurances and things for further or better securing all or any of the said hereditaments

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and premises to the use of Her Majesty Her Heirs and Successors  
or assigns as shall be reasonably advised devised or required

IN WITNESS WHEREOF the said parties hereto have hereunto  
set their hands and seals the ~~year~~ day and year first above  
written.

Signed sealed and delivered

by

in the presence of :-

} "Mary Caroline Gassie" (S)

"John A. Brown"

Da Dated 23/11/88 1889.

Mary Caroline Agassiz

\_\_\_\_\_ to \_\_\_\_\_

Her Majesty Queen Victoria

*[Signature]*

C O N V E Y A N C E  
of land for Experimental Farm

Drake, Jackson & Helmcken

File 69403

Branch - Section / Direction générale - Section <b>Research</b>		LDU No. / N° de l'ERT <b>16479 Doc. 002</b>	Date revised / Date de révision <b>December 8, 1992</b>
Site Name / Nom du lieu <b>Research Station</b>		Site Location / Emplacement du lieu <b>Research Station Highway #7 Agassiz, British Columbia</b>	
Date (Purchase - Lease / achat - location) <b>January 9, 1942</b>	Total (Acres - Hectares - m <sup>2</sup> ) <b>55.46      22.4 61.79 acres/25 ha</b>	Former Owner / Propriétaire précédent <b>Lewis A. Agassiz</b>	
<input type="checkbox"/> Owned Possession de la couronne	Acquisition Cost / Coût d'achat <b>5,000.00\$</b>	Date expiry / Date d'échéance	Rental Cost / Coût du loyer
<input type="checkbox"/> Leased Direct Loué directement	<input type="checkbox"/> Letting Cession à bail	Lessor - Lessee / Bailleur - Locataire	
Related Building Inventory Records Dossier relié à l'inventaire du bâtiment	Related Misc. Agreement Records Dossier d'accord divers <b>002</b>	Survey Plan Reference No. / N° du plan d'arpentage <b>#1 and 2984</b>	
Authority and Registration Reference / Référence et autorisation  <b>P.C. #9198 dated November 26, 1941. Deed Document dated December 20, 1941. Certificate of Encumbrances dated January 13, 1942. Certificate of Tittle #148134E registered January 9, 1942 at the New Westminster Registry.</b>			
Description and Purpose of Property / Description et but du terrain  <b>That parcel of land in the Municipality of Kent, described as part of Lot #49, Group 1, District of New Westminster in Township 3, Range 28, W6M, buildings included.</b>			
Remarks / Remarques  <b><del>6.481</del> 12.81 acres was transferred to the Province of British Columbia under P.C. #1977-1/3327 dated November 24, 1977.</b>			
Land Sold / Terrain vendu			



ABBREVIATIONS:  
M. = Mortgage in fee.  
R.P. = Right to purchase.  
S.R.P. = Sub-right to purchase.  
L.P. = Lis pendens.  
L. = Lease.  
R.C. = Restrictive Covenant.

# Charges, Liens, and Interests.

FO  
R/W. 7

LAND.	Nature of Charge.	No.	Date of Application.	Time.	OWNER OF CHARGE.	Value or Amount.	PARTICULARS, TERM, RATE, etc.	RELEASES.		Regis
								No.	Date.	
against B.C.E.R. right of way Plan 14678 inter alia	M.	3429	8/54	9:30 AM	Leollies, Maclean Mills Limited	\$1061.00				
INTER PL/R part on A/W Plan 14678	L.P.	1752741	10/31	3:30 PM	FRANK L. FREELAND and COLLINS-MACKEN MILLS LIMITED	VS.	ALBERT DOUGLAS and BRITISH COLUMBIA ELECTRIC COMPANY LIMITED D. 1-10-54			
INTER ALIA	E.+L.C.	1965270	7/75	3:24 P.M.	BRITISH COLUMBIA ELECTRIC COMPANY LIMITED		EASEMENT + R.C. d. 8-3-55			
Inter alia	S.T.D. + Mfg.	193870	10/25	12:03 P.M.	Montreal Trust Company Ltd see 104897C etc		Supp to 104897C d. 1-12-55			
Inter alia	S.T.D. + Mfg.	1952470	6/24	1:58 P.M.	Montreal Trust Company	\$50,000.00	4 1/2% d. 1-2-56 B.C.E.			
Inter alia	M.	2122470	10/27	12:40	Montreal Trust Company In just see 104897C and 2122470	\$40,000.00	Int 5% being supplemental to 104897C			
Inter alia	M.	229970	10/24	11:57	Montreal Trust Company In just see 104897C and 229970C	\$50,000.00	Int. 5 1/2% being supplemental to 104897C			
Inter alia	M.	257462C	10/25	1:01	Montreal Trust Company In just see 104897C and 257462C	\$30,000.00	Int. 5 1/2% being supplemental to 104897C			
Inter alia	M.	282438C	11/20	3:08	Montreal Trust Company In just see 104897C and 282438C	\$30,000.00	Int 6 1/2% being supplemental to 104897C			
Inter alia	M.	301058C	10/25	1:08	Montreal Trust Company In just see 104897C and 301058C	\$15,000.00	Int. 5 3/4% being supplemental to 104897C			
Plan 31025 Inter alia	A/W	D82994	10/27	11:37	British Columbia Hydro and Power Authority					

2-2  
BOX  
DEED

THIS INDENTURE made the Twentieth day of December, in the year of our Lord one thousand nine hundred and forty-one.

IN PURSUANCE OF THE "SHORT FORM OF DEEDS ACT"

BETWEEN:

JACK MILTON STREIGHT, as Official Administrator, of the Estate of Lewis A. Agassiz, "In Trust" filing No. 23399.

(hereinafter called the "GRANTOR")

AND:

HIS MAJESTY THE KING IN THE RIGHT OF CANADA.

(hereinafter called the "GRANTEE")

WITNESSETH that, in consideration of the sum of Five thousand.....(\$5000.00).....Dollars of the lawful money of Canada now paid by the said Grantee to the said Grantor (the receipt whereof is hereby by him acknowledged) he, the said Grantor, DOETH GRANT unto the said Grantee, his heirs and assigns FOREVER:

ALL AND SINGULAR that certain parcel or tract of land and premises situate, lying and being in the Municipality of Kent, in the Province of British Columbia and more particularly known and described as Part 68.27 acres more or less of Lot 49, Group 1 as shewn and outlined Red on sketch deposited No. 2984, in the District of New Westminster.

TOGETHER with all buildings, fixtures, commons, ways, profits, privileges, rights, easements and appurtenances to the said hereditaments belonging, or with the same or any part thereof, held or enjoyed, or appurtenant thereto; and the estate, right, title, interest, property, claim and demand of him, the said Grantor, in, to, or upon the said premises.

TO HAVE AND TO HOLD unto the said Grantee, his heirs and assigns, to and for his and their sole and only use forever; SUBJECT NEVERTHELESS to the reservations, limitations, provisos and conditions express in the original grant thereof from the Crown.

THE said Grantor Covenants with the said Grantee that he has the right to convey the said lands to the said Grantee, notwithstanding any act of the said Grantor and that the said Grantee shall have quiet possession of the said lands, free from all encumbrances.

AND the said Grantor Covenants with the said Grantee that he will execute such further assurances of the said lands as may be requisite.

AND the said Grantor Covenants with the said Grantee that he has done no acts to encumber the said lands.

AND the said Grantor RELEASES to the said Grantee ALL HIS CLAIMS upon the said lands.

WHEREVER the singular or masculine is used throughout this Indenture, the same shall be construed as meaning the plural or the feminine or body corporate or politic where the context or the parties hereto so require.

IN WITNESS WHEREOF the said parties hereto have hereunto set their hands and seals on the date first above mentioned.

SIGNED, SEALED and DELIVERED )  
IN THE PRESENCE OF

"A W Petapiece"  
113 Columbia St  
New Westminster B.C.  
Solicitor } "J. M. Streight"

FOR MAKER

I HEREBY CERTIFY that, on the 22<sup>nd</sup> day of December, 1941, at New Westminster, in the Province of British Columbia, JACK MILTON STREIGHT, who is personally known to me, appeared before me and acknowledged to me that he is the person mentioned in the annexed instrument as the maker thereof, and whose name is subscribed thereto as party, that he knows the contents thereof, and that he executed the same voluntarily, and is of the full age of twenty-one years.

IN TESTIMONY WHEREOF I have hereunto set my Hand and Seal of Office, at New Westminster, in the Province of British Columbia, this 22<sup>nd</sup> day of December, in the year of our Lord one thousand nine hundred and forty-one.

(Notary Public)  
Seal "A W Petapiece"  
A NOTARY PUBLIC IN AND FOR PROVINCE OF  
BRITISH COLUMBIA.



465-2-7/P9030/3

Branch - Section / Direction générale - Section		LDU No. / N° de l'ERT	Date revised / Date de révision
<b>Research</b>		5909032267	
Site Name / Nom du lieu		16479 Doc.003	April 27, 1992
Date (Purchase - Lease / achat - location)	Total (Acres - Hectares - m <sup>2</sup> )	Research Station Highway #7 Agassiz, British Columbia	
August 3, 1954	1063.8 acres/430.5 ha	Former Owner / Propriétaire précédent	
<input type="checkbox"/> Owned Possession de la couronne	<b>Transfer</b>	<b>Department of Interior</b>	
<input type="checkbox"/> Leased Direct Loué directement	<input type="checkbox"/> Letting Cession à bail	Date expiry / Date d'échéance	Rental Cost / Coût du loyer
Lessor - Lessee / Bailleur - Locataire			
Related Building Inventory Records Dossier relié à l'inventaire du bâtiment	Related Misc. Agreement Records Dossier d'accord divers	Survey Plan Reference No. / N° du plan d'arpentage	
	001 and 002	Plan A and BC434	
Authority and Registration Reference / Référence et autorisation			
P.C. #277 dated February 4, 1890. P.C. #1441 dated May 15, 1893. P.C. #8394 dated October 28, 1941. Certificate of Titles #329741E dated August 3, 1954, registered in New Westminster.			
Description and Purpose of Property / Description et but du terrain			
<p><u>Firstly:</u> Portion of the NW 1/4 of Sect. 29. (161.9 acres more or less).</p> <p><u>Secondly:</u> Portions of the E 1/2 of the NW 1/4 of Sect. 30. (142.2 acres more or less).</p> <p><u>Thirdly:</u> Portion of Sect. 31. (636.9 acres more or less)</p> <p><u>Fourthly:</u> Portion of the SW 1/4 of Sect. 32. (122.8 acres more or less).</p> <p><u>Fifthly:</u> Portion of legal subdivision 12 of Sect. 32.</p> <p>All being in Twp 3, Rge 28, W6M, West of Maria Slough.</p>			
Remarks / Remarques			
Land Sold / Terrain vendu			
<p>875 acres was transferred to the Department of Indian Affairs and Northern Development, effective on January 1, 1969 under the letter of transfer dated July 18, 1972.</p> <p>875 acres was retransferred to Agr. Can. from <i>Ministry of Resources</i> under P.C. #1981-1737 dated June 25, 1981.</p>			



ABBREVIATIONS:  
 M.=Mortgage in fee.  
 R.P.=Right to purchase.  
 S.E.P.=Sub-right to purchase.  
 L.P.=Life pendens.  
 L.=Lease.  
 R.C.=Restrictive Covenant.

"For

R/W-  
 E.V.C.

CHARGES, LIENS, AND INTEREST

LAND	Nature of Charge	No.	Date of Application	Time	OWNER OF CHARGE	Value or Amount	PARTICULARS, TERM, RATE, ETC.	RELEASES	
								No.	Date
West B.C.E. St. Way in 14678 (inter alia)	M.L.	3439	9 9 54	7:30 PM	Bellini - Mackay Mills Limited	\$1061.03			
INTER ALIA to show on R/W in 14678 of plans 307-31	L.P.	175276	1 2 54	3:30 PM	FRANK L. FAYE AND COLLINS-MACKAY MILLS LIMITED	vs.	ALBERT DANIELS and BRITISH COLUMBIA ELECTRIC COMPANY LIMITED D. 1-10-54		
INTER ALIA to show on R/W in 14678 of plans 307-31	E.V.C.	182576	7 7 55	3:04 PM	BRITISH COLUMBIA P.M. ELECTRIC COMPANY LIMITED		dated 8-3-55		
of 1/2 of 1/4 of 6.30 of 1/2 of 1/4 of 31 M. of E.	STD. +	194897	2 2 55	12:03 PM	Montreal Trust Company P.M. Trust		Supp. to 104897C d. 1-12-55		
INTER ALIA					see D.D. 104897C etc				
" " " "	STD. +	195976	6 2 56	1:58 PM	Montreal Trust Company P.M.	\$30,000.00	4 1/2% d. 1-2-56 B.C.E.		
INTER ALIA									
"INTER ALIA"	M.	212047	10 2 57	12:40 PM	Montreal Trust Company P.M. Trust see 104897C and 212047C	\$40,000.00	Int 5 1/2% being supplemental to 104897C		
INTER ALIA	M.	229976	2 1 58	11:29 AM	Montreal Trust Company P.M. Trust see 104897C and 229976C	\$50,000.00	Int 5 1/2% being supplemental to 104897C		
"INTER ALIA"	M.	257462	2 3 59	1:01 PM	Montreal Trust Company P.M. Trust see 104897C and 257462C	\$30,000.00	Int 5 1/2% being supplemental to 104897C		
"INTER ALIA"	M.	282438C	4 4 60	3:06 PM	Montreal Trust Company P.M. Trust see 104897C and 282438C	\$30,000.00	Int 6 1/2% being supplemental to 104897C		
"INTER ALIA"	M.	301058C	2 5 61	1:08 PM	Montreal Trust Company P.M. Trust see 104897C and 301058C	\$15,000.00	Int 5 1/4% being supplemental to 104897C		
of 1/4 of 1/4 of 29 R/W part of 1/4 of 1/4 of 32 Plan 310-23		582994	11 12 68	11:37 AM	British Columbia Hydro and Power Authority				
INTER ALIA									

W.C.G.  
 1000

E-6

Ranch - Section / Direction générale - Section

LDU No. / N° de l'ERT

465-2-7/P9030/3  
Date revised / Date de révision

~~Research~~  
Site Name / Nom du lieu

5909032267  
16479 Doc 004  
Site Location / Emplacement du lieu

April 28, 1992

~~Research Station~~  
Date (Purchase - Lease / achat - location)

Total (Acres - Hectares - m<sup>2</sup>)

Research Station  
Highway #7  
Agassiz, British Columbia

November 16, 1956 423.4 acres / 171.2 ha

Acquisition Cost / Coût d'achat

Former Owner / Propriétaire précédent

Owned  
Possession de la couronne

\$55 000.00

Charles Cleveland Cunningham

Leased Direct  
Loué directement

Letting  
Cession à bail

Date expiry / Date d'échéance

Rental Cost / Coût du loyer

Lessor - Lessee / Bailleur - Locataire

Related Building Inventory Records  
Dossier relié à l'inventaire du bâtiment

Related Misc. Agreement Records  
Dossier d'accord divers

Survey Plan Reference No. / N° du plan d'arpentage

Plan A

Authority and Registration Reference / Référence et autorisation

P.C. #1956-9/389 dated March 15, 1956. Certificate of Titles #377655E, #377656E, #377657E registered on November 16, 1956 in New Westminster.

Description and Purpose of Property / Description et but du terrain

Firstly: All that portion of Legal Subdivision 13 in Sect 32, Twp 3 and all that portion of the South 10 chains of the fractional SW 1/4 of Sect 5, Twp 4.  
Secondly: Fractional Legal Subdivision 1 and 2 of Sect 7, Twp 4.  
Thirdly: Lot 39, Group 1, Yale Division of Yale District. Lot 536, Group 1. All those portions of Legal Subdivision 9 and 15 of Sect 6, Twp 4. All that portion of the fractional SW 1/4 of Sect 5, Twp 4. All those portions of Legal Subdivision 12 and 13 of Sect 5, Twp 4.

All in Rge 28, W6M, West of Maria Slough.

Remarks / Remarques

FYI: Treasury Board Minutes #497939.

*including doc # 007. See dead doc for more info.*

Land Sold / Terrain vendu



465-2-7/P9030/3

Date revised / Date de révision

Branch - Section / Direction générale - Section

LDU No. / N° de l'ERT

Research

5909032267

Site Name / Nom du lieu

16479 Doc 006

April 28, 1992

Research Station

Research Station  
Highway #7  
Agassiz, British Columbia

Date (Purchase - Lease / achat - location)

Total (Acres - Hectares - m<sup>2</sup>)

December 13, 1976 4.0 acres/1.6 ha

Acquisition Cost / Coût d'achat

Former Owner / Propriétaire précédent

Owned  
Possession de la couronne

\$500.00

Corporation of the District of Kent

Leased Direct  
Loué directement

Letting  
Cession à bail

Date expiry / Date d'échéance

Rental Cost / Coût du loyer

Lessor - Lessee / Bailleur - Locataire

Related Building Inventory Records  
Dossier relié à l'inventaire du bâtiment

Related Misc. Agreement Records  
Dossier d'accord divers

Survey Plan Reference No. / N° du plan d'arpentage

002, 006

Plan 36038

Authority and Registration Reference / Référence et autorisation

*Indefinite*

Certificate of Titles #M116131E dated December 13, 1976. Deed document <sup>of Land</sup> #~~VP36609~~ dated November 18, 1976. Certificate of encumbrances #533502 dated December 21, 1976.

Description and Purpose of Property / Description et but du terrain

Lots #16, 17 and 18 of District Lot #49, Group 1, located on Green Mountain, adjacent to and Northeast of Agassiz, in the Yale Division of Yale District, Municipality of Kent.

Remarks / Remarques

Land Sold / Terrain vendu









2-4

From Certificate No. 277077E 33304DE



No. 377655R

P. 91, 93, 7557

Certificate of Indefeasible Title is void as to the title of any person adversely in actual possession of and rightly entitled to the land...

Certificate of Indefeasible Title

Date of application for registration, the 16th day of November, 1956

Register, Vol. 1483

This is to certify that HER MAJESTY THE QUEEN IN RIGHT OF CANADA

is absolutely and indefeasibly entitled in fee-simple, subject to such charges, liens, and interests as are notified by endorsement hereon, and subject to the conditions, exceptions, and reservations set out hereon, to those

pieces of land situate in the Municipality of Kent

and Province of British Columbia, and more particularly known and described as:-

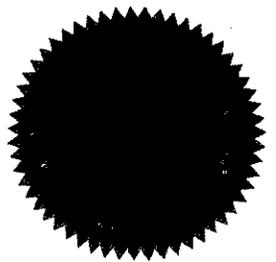
- Lot Thirty-nine (39) Group One (1) Yale Division of Yale District
Lot Five Hundred and Thirty-six (536) Group One (1)
All those portions of Legal Subdivisions Nine (9) and Fifteen (15) of Section Six (6) Township Four (4) Range Twenty-eight (28) West of the Sixth Meridian...

Table with 2 columns: LAND, CERT. NO. Header: FOLLOWING PIECES OF LAND HAVE BEEN TRANSFERRED:

In witness whereof I have hereunto set my hand and seal of office at New Westminster, British Columbia, this 16th day of November, 1956

(OVER)

Registrar signature and title



ABBREVIATIONS:  
 M. = Mortgage in fee.  
 R.P. = Right to purchase.  
 S.R.P. = Sub-right to purchase.  
 L.P. = Lis pendens.  
 L. = Lease.  
 R.C. = Restrictive Covenant.

## CHARGES, LIENS, AND INTEREST

\* 1000-486-9079 (4)

FOR OTHER ABBREVIATIONS  
FILL IN HERE

*deed*  
*1904*

LAND	Nature of Charge	No.	Date of Appl. cation	Time	OWNER OF CHARGE	Value or Amount	PARTICULARS THERE, RATE, ETC.	RELEASES	Date	Registrar's Signature or Release
Lot 39 Inter Alia	R.W.	156572C	20-3-53	3:00 P.M.	British Columbia Electric Company Limited		Right-of-way over portion on R.W. plan 12807 together with ancillary rights over balance d. 26-2-53			
Lot 39 Inter Alia	M.	104897C	2-1-47		Montreal Trust Company in Trust D.D. 104897C, etc.		Being a Mortgage of Inter Alia #156572C from British Columbia Electric Company Limited by way of Trust Deed. For Supplemental Trust Deeds see 112237C, 116292C, 120066C, 121901C, 124325C, 129325C, 135645C, 143215C, 145777C, 148208C, 151963C, 153360C, 162227C, 173531C, 178045C, 193881C.			

(See 110781C, 114486C, 120834C, 128920C, 140339C, 143796C, 153870C, 166444C, 185434C, 195247C, 203420C.)



LAND REGISTRY ACT  
(FORM F, SECTION 143)

Title No. ~~M116131E~~

Register Vol. \_\_\_\_\_

From Title No. ~~673451E~~

### CERTIFICATE OF INDEFEASIBLE TITLE

Land Registry Office, ~~New Westminster~~, British Columbia.

~~This is to certify~~ that the undermentioned registered owner in fee-simple is absolutely and indefeasibly entitled in fee-simple, subject to such charges, liens, and interests as are notified by endorsement hereon, and subject to the conditions, exceptions, and reservations set out hereon, to the land situated in the Province of British Columbia, and more particularly described below.

Registered owner in fee-simple: Application for registration received \_\_\_\_\_ December 3rd, 1976 \_\_\_\_\_

HER MAJESTY THE QUEEN IN RIGHT OF CANADA

Description of land: (See back hereof for transfers (if any) of the land or a part thereof).

Municipality of Kent

Lots 16, 17 and 18 of District Lot 49 Group 1  
Plan 36038 Yale Division of Yale District

CHARGES, LIENS, AND INTERESTS\*

Nature of Charge; Number; Date and Time of Application	Registered Owner of Charge	Remarks
RW E59020-3.9.69 14:37	British Columbia Hydro and Power Authority	Part Lot 16 Plan 36039

In witness whereof I have hereunto set my hand and the seal of my office aforesaid, this \_\_\_\_\_ 13th day of

December, 19 76

*R. L. Buchford*  
Deputy Registrar.

\* Each endorsement affects all the land described herein, unless otherwise indicated in "Remarks" column.—See back hereof for abbreviations, etc.

This certificate of indefeasible title is void as against the title of any person adversely in actual possession of and rightly entitled to the land included in same at the time of the application upon which this certificate was granted, and who continues in possession, and is subject to

- (a) the subsisting exceptions or reservations contained in the original grant from the Crown;
- (b) any Dominion or Provincial tax, rate, or assessment at the date of the application for registration imposed or made a lien or which may thereafter be imposed or made a lien on the land;
- (c) any municipal charge, rate, or assessment at the date of the application for registration imposed or which may thereafter be imposed on the land, or which had theretofore been imposed for local improvements or otherwise and which was not then due and payable, including any charge, rate, or assessment imposed by any public corporate body having taxing powers over an area in which the land is situate;
- (d) any lease, or agreement for lease, for a period not exceeding three years, where there is actual occupation under the same;
- (e) any public highway or right-of-way, watercourse or right of water, or other public easement;
- (f) any right of expropriation by Statute;
- (g) any lis pendens or mechanics' lien, judgment, caveat, or other charge, or any assignment for the benefit of creditors or receiving order or assignment under the *Bankruptcy Act*, registered since the date of the application for registration;
- (h) any condition, exception, reservation, charge, lien, or interest noted or endorsed hereon;
- (i) the right of any person to show that the whole or any portion of the land is by wrong description of boundaries or parcels improperly included in this certificate;
- (j) the right of any person to show fraud, wherein the registered owner or wherein the person from or through whom the registered owner derived his right or title otherwise than bona fide for value has participated in any degree;
- (k) any restrictive condition, right of reverter, or obligation imposed on the land by the *Forest Act* when noted and endorsed hereon.

THIS CERTIFICATE MAY BE AFFECTED BY THE LAND ACT AMENDMENT ACT, 1961 (see S.B.C. 1970, Chapter 17).

The following parcels have been transferred:—

Land	To Certificate No.

ABBREVIATIONS:

CML = Claim of mechanics' lien.  
 CVT = Caveat.  
 E = Easement.  
 J = Judgment.  
 L = Lease.

LP = Lis pendens.  
 M = Mortgage.  
 OP = Option to purchase.  
 RC = Restrictive covenant.  
 RFR = Right of first refusal.

RP = Right to purchase.  
 RW = Right-of-way.  
 SRP = Sub-right to purchase.  
 TSN = Tax Sale Notice.  
 U = Undersurface rights.



**LAND INVENTORY RECORD**

**FICHE D'INVENTAIRE DU TERRAIN**

File No. / N° du dossier

465-2-7/P9030/3

Branch - Section / Direction générale - Section <b>Research</b>		LDU No. / N° de l'ERT <b>16479</b>	Date Revised / Date de révision <b>2003/10/28</b>
Site Name / Nom du lieu <b>Research Farm</b>		Site Location / Emplacement du lieu <b>Hwy 7 Agassiz, British Columbia</b>	
Date (Purchase-Lease / Achat-location)	Total (Acres / Hectares / m <sup>2</sup> ) <b>190.4 ac / 77.05 ha</b>		
<input checked="" type="radio"/> Owned Possession de la couronne	Acquisition Cost / Coût d'achat	Former Owner / Propriétaire précédent <b>Lewis Nunn Agassiz ?</b>	
<input type="radio"/> Leased Direct Loué directement	<input type="radio"/> Letting Cession à bail	Date Expiry / Date d'échéance	Rental Cost / Coût du loyer
Lessor - Lessee / Bailleur - Locataire			
Related Building Inventory Records Dossier relié à l'inventaire du bâtiment	Related Misc. Agreement Records Dossier d'accord divers	Survey Plan Reference No. / N° du plan d'arpentage	
Authority and Registration Reference / N° d'inscription et autorisation <b>Absolute Certificate of Title No. 3843A, vol 12-folio 228</b>			
Description and Purpose of Property / Description et but du terrain <b>All that portion of land known as District Lot 36, Twp 30, Yale Division of Yale District containing approximately 190.4 acres more or less.</b>			
Remarks / Remarques			
Land Sold / Terrain vendu			

The information is being collected by Agriculture and Agri-Food Canada for the purpose of summarizing departmental land, leases and lettings. Some information may be accessible or protected as required under the provisions of the Access to Information Act.

Les renseignements sont recueillis par Agriculture et Agroalimentaire Canada afin de résumer les données du ministère sur les terres, les baux et les cessions à bail. Certains renseignements peuvent être accessibles ou protégés selon ce que prescrit la Loi sur l'accès à l'information.



# CERTIFICATE OF ENCUMBRANCES



THE GOVERNMENT OF  
THE PROVINCE OF BRITISH COLUMBIA

(Section 252)

## LAND REGISTRY OFFICE

New Westminster, B.C.

I HEREBY CERTIFY that, at 8.30 a.m. on 20th day of March 1969, the following is the state of the title to District Lot 36 Township 38 Yale Division of Yale District

2 /  
Dead Box No. Doc. No.  
141/9030/03-11  
File Reference  
Entered by Date  
25/6/69

Registered owner under Absolute Certificate of Title No. 3843A, Vol. 12-Folio 228

HER MAJESTY THE QUEEN IN RIGHT OF CANADA

### Endorsements on register:

- 3429 8th September, 1954 Mechanic's Lien in favour of Collins-Macken Mills Ltd. for \$1061.03 Inter Alia (as to British Columbia Electric Right of Way Plan 14678)
- 175291C 1st October, 1954 Lis Pendens to Frank L. Freeland and Collins-Macken Mills vs. Albert Douglas and British Columbia Electric Company Limited Inter Alia (as to British Columbia Electric Right of Way Plan 14678)
- 186529C 7th July, 1955 Right of Way to British Columbia Electric Company Limited
- 104897C 2nd January, 1947 Mortgage to Montreal Trust Company "In Trust" D.D. 104897C, etc. Mortgage of Right of Way 186529C. For Supplemental Trust Deeds see 110781C, 114486C, 120834C, 128920C, 140339C, 143796C, 153870C, 166444C, 185434C, 195247C, 212247C, 229970C, 257462C, 282438C, 301058C. Inter Alia

Judgments: None

Pending applications received: None

This certificate is to be read subject to the provisions of section 38 of the Land Registry Act and the Land Act Amendment Act, 1961.

To: Dept. of Agriculture

*Registrar advised the disposition of the absolute title is unobscured.*

Deputy Registrar

**APPENDIX II**

**AERIAL PHOTOGRAPHS (AGASSIZ AND ABBOTSFORD)**

CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Abbotsford\AIRPHOTOS.dwg

REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA			
TITLE		AERIAL PHOTOGRAPH - ABBOTSFORD			
		PROJECT No.	03-1412-127	FILE No.	AIRPHOTOS
DESIGN				SCALE	NTS REV. -
CADD	BAD		11MAR04	<b>FIGURE 1940</b>	
CHECK					
REVIEW					



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Abbotsford\AIRPHOTOS.dwg

REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA				
TITLE		AERIAL PHOTOGRAPH - ABBOTSFORD				
		PROJECT No. 03-1412-127		FILE No. AIRPHOTOS		
		DESIGN		SCALE	NTS	REV. -
		CADD	BAD	11MAR04		
		CHECK				
		REVIEW				
		<b>FIGURE 1949</b>				

CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 A AFC Phase 1s\Abbotsford\AIRPHOTOS.dwg

REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH WALMSLEY RESEARCH FARM	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1963</b>	
CHECK			
REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAF Phase 1s\Abbotsford\AIRPHOTOS.dwg

REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH CLEARBROOK RESEARCH FARM	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1963</b>	
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REVIEW			



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REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH WALMSLEY RESEARCH FARM	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1974</b>	
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REVIEW			



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REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH CLEARBROOK RESEARCH FARM	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1974</b>	
CHECK			
REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Abbotsford\AIRPHOTOS.dwg

REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH - ABBOTSFORD	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1979</b>	
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REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAF Phase 1s\Abbotsford\AIRPHOTOS.dwg

REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH - ABBOTSFORD	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1988</b>	
CHECK			
REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 A AFC Phase 1s\Abbotsford\AIRPHOTOS.dwg

REVISION DATE: 04/03/11 9:31am By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH - ABBOTSFORD	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1994</b>	
CHECK			
REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAF Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH - AGASSIZ FARM 1	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1949</b>	
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REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT

AGRICULTURE & AGRI-FOOD CANADA  
PHASE I & II ESA

TITLE

**AERIAL PHOTOGRAPH - AGASSIZ FARM 1**



PROJECT No. 03-1412-127			FILE No. AIRPHOTOS		
DESIGN			SCALE	NTS	REV. -
CADD	BAD	11MAR04	<b>FIGURE 1954</b>		
CHECK					
REVIEW					

CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH - AGASSIZ FARM 1	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1963</b>	
CHECK			
REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT

AGRICULTURE & AGRI-FOOD CANADA  
PHASE I & II ESA

TITLE

**AERIAL PHOTOGRAPH - AGASSIZ FARM 2**



PROJECT No.	03-1412-127	FILE No.	AIRPHOTOS
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1963</b>	
CHECK			
REVIEW			

CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 A AFC Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT				AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA			
TITLE				AERIAL PHOTOGRAPH - AGASSIZ FARMS 1&2			
PROJECT No.		03-1412-127		FILE No.		AIRPHOTOS	
DESIGN				SCALE	NTS	REV.	-
CADD	BAD		11MAR04	<b>FIGURE 1971</b>			
CHECK							
REVIEW							



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH - AGASSIZ FARM 1	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1979</b>	
CHECK			
REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT

AGRICULTURE & AGRI-FOOD CANADA  
PHASE I & II ESA

TITLE

**AERIAL PHOTOGRAPH - AGASSIZ FARM 2**



PROJECT No.	03-1412-127	FILE No.	AIRPHOTOS
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1979</b>	
CHECK			
REVIEW			

CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAF Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH - AGASSIZ FARM 1	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1983</b>	
CHECK			
REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 AAFC Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT		AGRICULTURE & AGRI-FOOD CANADA PHASE I & II ESA	
TITLE		AERIAL PHOTOGRAPH - AGASSIZ FARM 1	
PROJECT No. 03-1412-127		FILE No. AIRPHOTOS	
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1993</b>	
CHECK			
REVIEW			



CADD FILE: O:\Active\#2003-4\2003\1412\03-1412-127 A AFC Phase 1s\Agassiz Site\AIRPHOTOS.dwg

REVISION DATE: 04/03/10 3:29pm By: bdrozdiak



PROJECT

AGRICULTURE & AGRI-FOOD CANADA  
PHASE I & II ESA

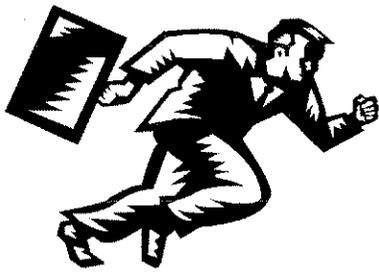
TITLE

**AERIAL PHOTOGRAPH - AGASSIZ FARM 1**



PROJECT No.	03-1412-127	FILE No.	AIRPHOTOS
DESIGN		SCALE	NTS REV. -
CADD	BAD 11MAR04	<b>FIGURE 1999</b>	
CHECK			
REVIEW			

**APPENDIX III**  
**HISTORICAL DIRECTORIES SEARCH**



# InfoAction

Information & Research Centre

*We do the work, you get the credit!*

Tuesday, October 21, 2003

Dear Simone,

**RE: CITY DIRECTORY SEARCH FOR 6947 LOUGHEED HIGHWAY AGASSIZ, 510  
CLEARBROOK ROAD ABBOTSFORD, 31790 WALMSLEY AVENUE ABBOTSFORD**

Thank you, for using InfoAction services. I searched the hard copy directories and the microfilms. Here are my results:

No street address for the 1800s – 1929 in the Hendersons' and Williams' City Directories (microfilm) for the three addresses. Street addresses are on some films for Vancouver during that time period.

A photocopy from the Chilliwack and Fraser Valley Directory 1955 showing Agassiz page 426 will show Experimental Farm Boarding House (Harrison Hot Springs Road), but not Dominion Experimental Farms. I have included this following up from our phone conversation on Friday.

I checked microfilms between 1934 and 1960, but I could not find the subject.

For 1965, BC Directories' Greater Vancouver Criss Cross has Walmsley Road and the lower number addresses for Clearbrook Road listed. Lougheed Highway is also listed for Agassiz.

Please note I have included a photocopy of copies re: Clearbrook Road every ten years from the Abbotsford/Clearbrook City Directories starting in 1970. They show the lower address numbers for Clearbrook Road and the Walmsley address in the Postal Code section (2000). When you go to the Street section in the Directories they are not listed as shown in the copies you will receive. Also will be copies of the Ws for those years with Walmsley not shown. Addresses North, South, East and West are for the higher addresses of Clearbrook Road. I have included one copy for you in the Lower Fraser Valley Directory (1970) showing North, South, East and West of Clearbrook Road but for the higher number addresses.

We will invoice your company Re: file # 031412127 for \$163.18 (two and a half hours +gst + courier), research time and photocopying. Please do not hesitate to contact us if you have any questions and/or we can be of further assistance.

Sincerely,

Carol Cockwell  
InfoAction

**Vancouver Public Library – Level 5**  
350 West Georgia Street, Vancouver, BC V6B 6B1  
phone: **604-331-3613** fax: **604-331-3611**  
email: **infoact@vpl.ca** web: **www.infoaction.ca**

**CHILLIWAGK &  
EAST FRASER  
VALLEY  
DIRECTORY 1955**

Agassiz

Cridland J B lab Can Govt  
Exp Farm r No 1 Rd Box  
173  
Cross W S mgr Shelline Sls &  
Serv  
Cummings Marilyn opr BC  
Tel  
Cunningham C C farmer r  
Wahleach Box SS  
Curiston Fredk R farmer h  
No 15 Rd RR1  
Curly Miss Z tchr Sch Dist  
No 76 Box 71 Seabird Is-  
land  
Currie Harry W farmer h Har-  
rison Hot Springs Rd  
Cuthbert Mrs S Box 63  
Cuthbert W J clk Kent Dist r  
No 9 Rd  
Cutler Hiram prop Agassiz  
Lime Quarry  
Danielson Nels L trk drvr h  
Humphrey Rd RR1  
Danielson Sten logr h Hum-  
phrey Rd RR1  
Darel Marcel R logr h No 7  
Rd RR1  
Darel Paul farmer h No 1 Rd  
RR1  
Daubney Wm R sec Sch Dist  
No 76 r Pioneer St  
Davis K L prntr and taxi drvr  
Davis Lewis W taxi No 9 Rd  
Box 61  
Davis W E P r Harrison Hot  
Springs Rd Box  
Davison J M retired r No 9 Rd  
Box 56  
D'Easum G tchr Sch Dist  
76  
Dec J retired r RR1  
Delacherois R O opr CPR r  
No 9 Rd Box 210  
Diamond Dairy Pioneer St  
Dickenson Rev A M priest St  
Anthony's RC Ch r No 4 Rd  
Ditchburn Herbt C gdnr h No  
1 Rd RR1  
Doherty A E farmer r No 10  
Rd RR1

Agassiz

Donahue Jean tchr Sch Dist  
No 76 Box 71 Seabird Is-  
land  
Doren Geo J farmer Box 105  
Douglas Jos retired  
Dowling Stan J farmer h Sims  
Rd RR1  
Driessen Peter farmer h No  
11 Rd RR1  
Drinkwater A E shovel opr r  
No 15 Rd RR1  
Duncan W S prin Sch Dist No  
76 r No 15 Rd  
Dyer F E lab r No 9 Rd Box  
112  
Dyer John A mgr Bella Vista  
Hotel r Pioneer St  
Dyer M W public wks emp r  
Harrison Hot Springs Rd  
Dyer Orville L surv h Harri-  
son Hot Springs Rd  
Dyer W H lab Box 189  
Eddy Elvin A lab h No 1 Rd  
RR1  
Eddy Horace J logr h No 1 Rd  
RR1  
Edmondson Chas W trk drvr  
h No 9 Rd Box 106  
Edmondson Thos L trk drvr  
h No 1 Rd Box 106  
Edmondson W trk drvr  
Eliason Ron A logr r Harri-  
son Hot Springs Rd Box 211  
Else Alfd W mgr Nichol &  
Else r Pioneer St  
Evans A lab r Pioneer St Box  
24  
Evans Arth P jntr r Pioneer  
St Box 24  
Ewen F retired  
Ewen Miss R r Seabird Island  
Experimental Farm Boarding  
House (W Becker) Harri-  
son Hot Springs Rd  
Farrant Sam E farmer h No 2  
Rd Box 228  
Federici F J farmer r Harri-  
son Hot Springs Rd RR1  
Fedorkew M clk PO Box 194  
Fedorkew Nick carp h Harri-  
son Hot Springs Rd

# CHILLIWACK & EAST FRASER VALLEY DIRECTORY

## 1955



Containing a descriptive write-up of Chilliwack City and Chilliwack Municipality, an Alphabetical List of Residents, Business Firms, etc., a Street and Avenue Directory listing the names of Householders numerically by Street, a complete classification of Trades or Professions and Chilliwack City and Chilliwack Municipality Maps.

This Directory is leased to the Subscriber only, and remains the property of the Publishers.

*Published by*

**B. C. DIRECTORIES LTD.**

2733 West Broadway

VANCOUVER, BRITISH COLUMBIA

(Copyright, Canada, 1955, by B. C. Directories Ltd.)



Agassiz

Cridland J B lab Can Govt  
Exp Farm r No 1 Rd Box  
173  
Cross W S mgr Shelline Sls &  
Serv  
Cummings Marilyn opr BC  
Tel  
Cunningham C C farmer r  
Wahleach Box SS  
Curiston Fredk R farmer h  
No 15 Rd RR1  
Curly Miss Z tchr Sch Dist  
No 76 Box 71 Seabird Is-  
land  
Currie Harry W farmer h Har-  
rison Hot Springs Rd  
Cuthbert Mrs S Box 63  
Cuthbert W J clk Kent Dist r  
No 9 Rd  
Cutler Hiram prop Agassiz  
Lime Quarry  
Danielson Nels L trk drvr h  
Humphrey Rd RR1  
Danielson Sten logr h Hum-  
phrey Rd RR1  
Darel Marcel R logr h No 7  
Rd RR1  
Darel Paul farmer h No 1 Rd  
RR1  
Daubney Wm R sec Sch Dist  
No 76 r Pioneer St  
Davis K L prntr and taxi drvr  
Davis Lewis W taxi No 9 Rd  
Box 61  
Davis W E P r Harrison Hot  
Springs Rd Box 102  
Davison J M retired r No 9 Rd  
Box 56  
D'Easum G tchr Sch Dist No  
76  
Dec J retired r RR1  
Delacherois R O opr CPR r  
No 9 Rd Box 210  
Diamond Dairy Pioneer St  
Dickenson Rev A M priest St  
Anthony's RC Ch r No 4 Rd  
Ditchburn Herbt C gdnr h No  
1 Rd RR1  
Doherty A E farmer r No 10  
Rd RR1

Agassiz

(1955)  
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Doren Geo J farmer Box 105  
Douglas Jos retired  
Dowling Stan J farmer h Sims  
Rd RR1  
Driessen Peter farmer h No  
11 Rd RR1  
Drinkwater A E shovel opr r  
No 15 Rd RR1  
Duncan W S prin Sch Dist No  
76 r No 15 Rd  
Dyer F E lab r No 9 Rd Box  
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Dyer John A mgr Bella Vista  
Hotel r Pioneer St  
Dyer M W public wks emp r  
Harrison Hot Springs Rd  
Dyer Orville L surv h Harri-  
son Hot Springs Rd  
Dyer W H lab Box 189  
Eddy Elvin A lab h No 1 Rd  
RR1  
Eddy Horace J logr h No 1 Rd  
RR1  
Edmondson Chas W trk drvr  
h No 9 Rd Box 106  
Edmondson Thos L trk drvr  
h No 1 Rd Box 106  
Edmondson W trk drvr  
Eliason Ron A logr r Harri-  
son Hot Springs Rd Box 211  
Else Alfd W mgr Nichol &  
Else r Pioneer St  
Evans A lab r Pioneer St Box  
24  
Evans Arth P jntr r Pioneer  
St Box 24  
Ewen F retired  
Ewen Miss R r Seabird Island  
Experimental Farm Boarding  
House (W Becker) Harri-  
son Hot Springs Rd  
Farrant Sam E farmer h No 2  
Rd Box 228  
Federici F J farmer r Harri-  
son Hot Springs Rd RR1  
Fedorkew M clk PO Box 194  
Fedorkew Nick carp h Harri-  
son Hot Springs Rd

# **B. C. DIRECTORIES'**

# **GREATER VANCOUVER**

# **CRISS CROSS**

**(Including Fraser Valley, Hope, Yale and Boston Bar)**

**1965**

**• PACKED WITH INFORMATION YOU NEED**

- A street guide by street name and house number of telephone subscribers in Greater Vancouver Area, printed on white paper.
- Refer to Yellow Page 3 for guide to Street Directory.
- A list of all telephones in numerical sequence, with addresses included printed on blue paper.
- Refer to Yellow Page 4 for guide to Exchange Prefix.
- \$25.00 (Sold Outright)

**B. C. DIRECTORIES, PUBLISHERS**

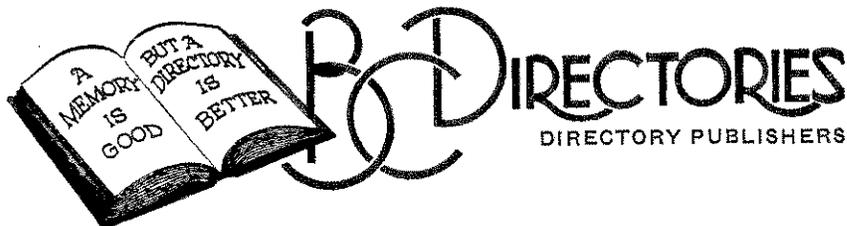
100 East 4th Ave., Vancouver 10, B.C.

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**B. C. DIRECTORIES'**  
**GREATER**  
**VANCOUVER**  
**CRISS**  
**CROSS**

**(Including Fraser Valley, Hope, Yale and Boston Bar)**

**1965**



(1965)

- Contd

oss Robert A 859-9174  
aidley A E 859-9156  
iches J H 859-5145  
eed Donald 859-2779  
oung Allan R Mrs 859-8050  
enner George 853-1227  
ay Ralph 859-4355  
layburn-Harblson Ltd 859-5770  
oss Wilbur M 859-5872  
nited Church Trinity Memorial 853-2591  
andorp A 859-8556

**LANE**  
chroeder Aganetha Mrs 859-5516  
hiesen A V 859-4148  
ran John 859-9692  
cott Larry W 859-4146  
arkentin D H 853-2189  
Enns John K 859-8226  
aerg Abram P 853-1417  
Neufeld John F 859-5627  
Falk Jacob J 853-1828

**ANNIAL**  
win L H Rev 859-5542  
Hebe Geo W 859-8202  
orn W J 859-9405  
yck I L 853-2871  
ick Jacob D 859-5811  
empel A W 859-9623  
etz Anna Mrs 853-2028  
endricks Wayne 853-1806  
romholt A R 859-2349  
randt John M 859-4339  
ppner H M 859-4132  
artens Jacob A Mrs 859-9380  
riesen John M 853-2314

**ANNIAL RD**  
r A A 859-9196  
n Julius John 859-9051  
ake H 859-9285

**RAL DR**  
naum A P 859-8863

**RE**  
anzen Jacob G 859-9470  
ndres E G 853-2194  
onscharow John 859-8188  
ms Abram 853-2539  
roeker Corne 859-9287  
iesbroecht Henry Jr 859-9566  
yck Dave 859-8646  
ews Susan 859-4324

**RY**  
loch Herman 859-4159  
uhar Samuel 853-2392  
ampel Anna Mrs 853-2077

**CH**  
egler F Ed 859-9811  
Zacharais John L Rev 853-1488  
ima Steve 859-5153  
Poews Herman 853-2100  
Dyck Henry 859-8115  
hroux G 853-1266  
Bergen Elias 853-1774

**K**  
Ratzlaff Henry 859-8097  
harp James 859-8529

**KE**  
Ferry C P 853-1931  
Hudson Clement W 859-5938  
Calland Norman Rev 853-2416  
Nixon W R B Rev 853-2154  
Inman R B 853-1500  
Harder I G 859-5682  
Carter H J Mrs 859-9373  
Graham Gordon 859-8858

**KE DR**  
Alex I 853-2510  
A A Dr 853-2410  
son Alvina Mrs 853-2009  
ons S A 859-8749  
sen John I 853-2845  
ewey J O 853-2648  
r M 853-2688  
er Ferguson Charles 853-1728

**'BURN RD**  
Fooks F R 859-8614  
Gawley M Mrs 859-8146  
Pearndon Archibald P 859-5842  
Toews Julius 859-9976  
Perker I F S 853-2861  
Ayling Cecil H 853-8569  
Ball C J 859-8373  
Boley Clifford 859-5095  
Cairns T 859-8933  
Cataline Russell P 853-2487  
Cooper's Store 859-8223  
Cruikshank George 853-2396  
Cummings Wayne 859-9778  
Davies Alfred L 859-9227  
Davies Edward 859-9945  
Davies Margaret L Mrs 859-9228  
Davies Robert 853-1837

Davies Wm A 859-8927  
Dykstra G 859-8694  
Fahmi Gerald O 859-9010  
Fraser Valley Pen-tecostal Camp 859-9271  
Gebbinck J 859-3543  
Gillies Geo 859-9053  
Harder J T 859-8376  
Investors Syndicate of Canada Ltd 859-9010  
Kryger Art 859-9055  
Merchel Fred 853-1277  
Messenger C R 859-8219  
Morrison Thomas R 859-9073  
Mundy Donald 859-8320  
Purver Frances 859-8741  
Rennie Thomas 859-8286  
Skjoldie Palmer M 859-8722  
Stirling Wm 859-4396  
Vanderweil Peter 859-9654  
Ward D J 859-4304  
Whitman Robert 859-9615  
Wilkinson Frederick 859-8373

**CLAYBURN-STRAITON RD**  
4463 Silva D Mrs 853-1450  
36262 Haines F Mrs 853-2454  
36376 Foulds Ellen M Mrs 859-5602  
Bushman David 853-2887  
Cullin Herbert L 859-6375  
Davis S 859-3456  
Dionne L E 859-5317  
Kraft John G 859-8626  
MacKenzie J C 859-9264  
MacKenzie W J 853-2614  
Mathers D A 853-2612  
Miller W J S Mrs 859-9542  
Mitchell Alex 859-9152  
Neimes J M 859-8669  
Simmons Albert 859-8644  
Wards James 859-9488

**CLEARBROOK**  
112 Kunze Joe 859-8364  
187 Williams H H 853-2353  
199 Reeves B 859-5618  
114 Friesen Henry 859-5673  
703 Falk E D 859-5170  
870 Bartsch Rudi 853-2900  
889 Logan D 859-9075  
1219 Friesen A R 859-8583  
1224 Siemens George 859-8636  
1376 Wittman George 859-9605  
1471 Bronk Chris 859-5754  
1448 Wiebe Wm 853-2808  
1733 Regier David 859-8195  
1794 O'Brien David L 859-8195  
1794 Rainbows End 853-2894  
1797 H & H Rentals 853-2894  
1797 Hildebrandt Henry 859-4847  
1822 Horwood W H 859-4349  
2037 Suderman John E 853-1758  
2197 Clearbrook Garage 859-5380  
2211 Unruh John B 853-1019  
2231 Epp Memo H 859-9529  
2311 A F Plumbing 859-8526  
2311 Fussi A 859-5908  
2328 Ens Rupert C 859-5784  
2331 Hastie D G Rev 859-4337  
2340 Yachnis Catherine Mrs 859-5196  
2349 Goerz John 859-8277  
2359 Sawatzky George 859-4145  
2369 Schmidt Bill 859-9596  
2377 Epp G F 859-5523  
2410 Pankratz F H Mrs 859-6650  
2420 Krahn Isaac I 853-2190  
2421 Ens George 853-1255  
2431 Janzen Henry H Rev 859-8174  
2440 Krahn Minnie Mrs 859-8024  
2448 Franz C 859-8520  
2455 Warkentin Abe 853-2822  
2458 Epp J J 853-2023  
2486 Pressley Fred T 859-8929  
2498 Peters John D 853-1820  
2497 Thompson John K 859-5766  
2507 Janzen Peter E 859-5857  
2508 Neufeld A H 859-3793  
2529 Schmidt Margaret Miss 859-5508  
2532 Rogalsky Henry 859-5046  
2540 Dyck Peter J 859-5593  
2548 Kopp Peter F 859-8064  
2549 Spenst John 859-8876  
2559 Jantz Anna Mrs 853-1532  
2580 Loeppky Otto L 859-5612  
2615 Harder's Marshall Wells Hardware 859-8260  
2649 Neufeld J G 853-2006  
2718 Buller John J 859-8622  
2728 Brandt John K 859-9447  
2758 Wiens Gerhard J 859-5368  
2770 Neufeld Walter R 859-6335  
2794 Redekop Agnes Mrs 859-9178  
2825 Janzen Henry J 859-5357  
2844 Isaak C A 859-5355  
2855 Wiebe William 859-4392  
2873 Braun Annie Mrs 859-9705  
2882 Froese M Mrs 859-5319  
2890 Reimer H G 859-8608  
3035 Blanke Ernest 859-5075  
1171 Faber Fred 859-8059  
3239 Penner Cornelius 859-5393  
3396 Toews J N 859-9362  
3538 Brown Henry 859-9362

**CLEARBROOK RD NORTH**  
Bousefield W 859-9425  
Doerksen Abe G 859-5301  
Doerksen Henry 859-9566  
Epp D D P 859-8379  
Senuk Kathe Mrs 859-9838  
Wiens F F 859-5389

**CLEARBROOK RD SOUTH**  
Abbotsford Gravel Sales Ltd 859-8484  
Allen John A 859-5345  
Can Govt Small Fruits Substation 853-1551  
Clearbrook Stock Farm 859-5345  
Cundiff C E 859-8486  
Fleming John 859-8581  
Loewen F C 859-8503  
Manley Ernest 859-8747  
Mutter A S 859-8775  
Neufeld Frank J 853-1696  
Sawatzky John J 859-8842  
Thiessen Jac R 859-8208  
Tolam Trucking Ltd 859-8764  
Veer Henry 853-2116  
Woelk Henry 859-8223

**COGHLAN**  
661 Onofrejchuk Peter 859-9234  
Coghlan F W 859-8932  
Clund Neils 859-8737  
Proctor R C 853-2378  
Smith Douglas E 859-8223

**COLE**  
1024 Buchanan W S 859-8603  
1618 Brogaard I Mrs 859-9278  
1638 Thompson Frederick William 859-9271  
1686 Van Veen Lorne 853-1289  
1816 Brogaard H 853-1035  
1893 Stewart Harry E 859-8165  
1905 Stewart Gordon 859-8016  
2660 Clark J R 859-5456  
Beck Christian 859-8635  
Higgs Thos S 859-8689  
McKee Edward 853-1273

**COLUMBIA**  
145 Stobbe Walter 859-8235  
165 Froese Harry C 859-8551  
207 Stobbe Henry J 859-5503  
267 Esau J 859-8734  
351 Bandsmer Otto 859-5189  
356 Mierau John 853-1233  
369 Rempel Anna Mrs 859-8362

1082 Wiens George I 859-5302  
2694 Melke Fred 853-1684  
2704 Enns Bernard 859-9212  
2719 Thiessen A H 859-8841  
2616 Wiens Heinrich J 859-9547  
2626 Peters B B 859-9859  
2636 Unruh Justina Mrs 859-8001  
2676 Duerksen F A 853-2065  
2811 Neissen Peter 853-2960  
2853 Thiessen John P 859-8261  
2882 Braun Nick 859-9660  
2897 Braun C 859-8644  
3019 Unruh John W 859-8801  
3026 Cornies D 859-5343  
3035 Suderman Henry J 859-5849  
3069 Konrad Peter J 859-9853  
3106 Doerksen G H 859-3057  
3133 Wiens P H 859-9843  
3143 Rempel D C 859-5330  
3154 Suderman John P 859-5389  
3355 Jagusch E 859-9660  
3434 Doerksen George 859-5342  
Trigler Ruth Mrs 859-9049

**CLEARBROOK SOUTH**  
545 Young M Mrs 853-2758  
1285 Peters Pete 853-1072  
1694 Bennett Fred C 859-9717  
2168 Rempel George J 859-9780  
2198 Friesen D D 853-1576  
2310 Sawatzky Jaan 859-9325  
2430 Martens H 853-1391  
2494 Rempel Susan Mrs 859-8291  
2497 Hildebrandt M Mrs 859-4162  
2589 Rempel J H 859-8333

**CLEARBROOK DISTRICT**  
Aitken J G 853-2772  
Bergen T 859-8773  
Clearbrook Mennonite Brethren Church 859-4144  
Clearbrook Waterworks District 859-8173  
Dyck A A 859-8267  
Friesen Jake 859-8337  
Harke August 859-8769  
Hendricks Julius 859-8351  
Hildebrandt John 853-2025  
Junior Mennonite High Sch 859-8767  
McNeill D J 859-8839  
Mennonite Brethren Bible Institute 859-5346  
Mennonite Educational Institute Sch 859-9762  
Redekop Peter 853-2606  
Schmor Catherine Miss 853-1038  
Siemens Peter 859-5697  
Wiens John A 859-8865  
Zseder Geza 859-8539

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Smith Douglas E 859-8223

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1638 Thompson Frederick William 859-9271  
1686 Van Veen Lorne 853-1289  
1816 Brogaard H 853-1035  
1893 Stewart Harry E 859-8165  
1905 Stewart Gordon 859-8016  
2660 Clark J R 859-5456  
Beck Christian 859-8635  
Higgs Thos S 859-8689  
McKee Edward 853-1273

**COLUMBIA**  
145 Stobbe Walter 859-8235  
165 Froese Harry C 859-8551  
207 Stobbe Henry J 859-5503  
267 Esau J 859-8734  
351 Bandsmer Otto 859-5189  
356 Mierau John 853-1233  
369 Rempel Anna Mrs 859-8362

437 Reimer Peter 859-9074  
465 Falk B H 859-8007  
542 Reimer Peter John 859-1002  
618 Toews J J 853-2876  
670 Unruh B H 859-2047  
672 Collins Frank C 859-9734  
736 Sinclair V M 859-8862  
830 Ketter J C 853-2843  
831 Chretien Lionel A 859-8465  
848 Sawatzky I P 859-9760  
858 Unruh M K 859-5371  
858 Falk A H 859-9661  
689 Falk John H 859-5666  
938 Schapansky Mary 853-2442  
972 Sawatzky C W 859-9924  
984 Rippel Geo 859-9904  
1048 Froese John O 859-9879  
1092 Barnum James E 853-1554  
1126 Nickel John B 859-1051  
1242 Friesen Dennis V 859-8846  
1281 Nickel Rudolph 859-5102  
1286 Borg H A 859-9171  
1304 Chapman Harry 859-9703  
1320 Krahn Bernard 859-5310  
1341 Appel Joseph 853-1014  
1376 Mierau Peter J 859-8867  
1460 Williams J H 859-9836  
32438 Reimer Maria Mrs 853-2751

**COLUMBIA SOUTH**  
595 Nickel Ben C 859-8840

**COLUMBIA RD**  
De Fehr Frank J 859-8082  
De Fehr J J 859-8992  
Dyck Jake Peter 853-1764  
Ennis Glen V 853-2539  
Fedje Ole 853-2646  
Heppner J J 853-1050  
Janzen Cornelius J 859-5448  
Jungnitz Paul 853-1835  
Krahn D D 859-9021  
Neufeld William I Rev 859-9087  
Penner Victor F 853-1071  
Quiring David A 859-8542  
Quiring John 859-9833  
Thomas Martin A 859-8726

**CORBOULD**  
48 Neufeld J J 853-1215  
184 Falk Henry B 869-8234

**CORBOULD RD**  
Klassen H E 853-2063  
Rempel John J 853-2321  
Schmidt Abraham D 853-8223  
Wiens Peter A 853-2816

**CRESCENT WAY**  
2391 Health Unit-Upper Fraser Valley 859-5215  
2405 Heron Freda Mrs 859-9361  
2413 Easterbrook R C 859-6375  
2421 Lohcar John 859-9324  
2427 Heke Olive Mrs 859-6103  
2435 Smith R C 859-0490  
2441 Thomson John 859-9030  
2442 Strachan R 853-1877  
2449 Mierau Dick 859-9462  
2451 Hill Thomas 859-8106  
2459 Harvey Walter 859-2432  
2468 Iorio Peter 859-1017  
2475 Papp Regina Mrs 859-9056  
2483 Nicholas R L 859-6436  
2491 Dennett C F 859-9306  
Abbotsford Junior Secondary School 853-2610  
Nelson F Miss 853-2409

**CYRIL**  
2531 King R M 859-9499  
2633 Rozsa Antal 859-1319  
2644 Spurling A 853-1555  
2549 Zurovski Rose Mrs 859-1052  
2559 Lidvall D Miss 859-4326  
2584 Abbotsford Marchine Repairs 859-9831  
34183 Dionne Ken 859-8241  
34205 Riedlinger A A 859-6488  
34205 Wittenberg Johnnie 859-4367  
34219 Serl Roy 859-9759  
34277 Jones E Mrs 859-8163  
34339 Bell W C 859-2169

**CYRIL RD**  
Straiton J Ernest R 853-2093

**CYRIL ST**  
Akins Thos 859-8866  
Bell Wilford J 859-8900  
Croisdale Construction Ltd 853-2335  
Rempel Herb 853-2542  
Surrey Co-operative Assn 859-5321  
Young Harold R 853-1812

**DAHL**  
34035 Sinnema A 859-9935  
34047 Dahl Ivar 853-1270

**DAHLSTROM**  
2835 Berg J D 859-8391  
32038 Peters Anna Mrs 859-2432  
32051 Hooge H 853-2432  
32067 Krause Alfred 859-5933  
32094 Bayda Mitchell M 859-4156  
33121 Knelson J 859-6646

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TOWNLINE RD (SOUTH) - Contd

Table with 3 columns: Name, Address, Phone Number. Includes Hirschman John, Fast Nick, Leo Floyd, Klassen Anna Mrs, Funk David G, Gaspar Ethel Mrs, Siska John, Wiens Henry.

TOWNSHIP LINE RD

Table with 3 columns: Name, Address, Phone Number. Includes Tongma John, McCrory W J, Whitson R B, Thompson W J, Ouwkerk Mike, Boonstra F, Martens George, Walters Herbert Ed, Anderson Erling, Anderson John, Borg Gustave N, Erandsma Bob, Burke E J, Crombie P E, De Goede Henry, Dempster Robert d'A, Kampman A J, Kaszonyi Peter, Keis Frank, Krahn Frank, Langelaar W J, Fraser John R, Makara Joe, Martens C I, Mutch G G, Nelson Bernhard, Nelson Gary, Nelson R K, Nissen Oscar, Penner Henry, Reitsem A, Reitsem Ted, Siemens Peter D, Smith A T, Stephens Brian T, Threlfall D, Threlfall J, Towell D S.

TRANS-CANADA HWAY

Table with 3 columns: Name, Address, Phone Number. Includes McCartney A, Hildebrandt Peter F, Wiebe Dietrich P, McGowan John Motors, Crescent Finance Corp, Szabo Steve, Hoppe Frank D, Eartel P H, Blacklock Dennis, Pache P.

Avenue Farm Machinery

Table with 3 columns: Name, Address, Phone Number. Includes Biely Construction Co, Clearbrook Photo Studio, Clearbrook Radio & TV, Commonwealth Record Co, BC Govt Dept of Highways.

Table with 3 columns: Name, Address, Phone Number. Includes Frost Auctions Ltd, Gmar Daniel O, Griffiths S R Mrs, Kennedy Ridge Service.

Table with 3 columns: Name, Address, Phone Number. Includes Klassen N, Four Harnan Mrs, Kovacs John, Ley Ronald, Martens Frank E, M S A Motors Ltd, Paul Mike, Royal Canadian Legion The, Triangle Motors, Turner R H, Verdonk Peter, Warwarick W.

TRETHEWEY RD

Table with 3 columns: Name, Address, Phone Number. Includes Garner Jacine Mrs, Friesen John.

TURNER RD

Table with 3 columns: Name, Address, Phone Number. Includes Short T, Dyck J B, Buyar N K, Davies R J, Hub Fire Engine & Equipment Ltd, Klebaum Rudolf, La Fleur A, Peters Henry H, Rogers & Boyd's Fortified Feeds Ltd.

UNION

Table with 3 columns: Name, Address, Phone Number. Includes Dyck J H, Federspiel Elmer, Krahn Henry.

UN-NAMED RD

Table with 3 columns: Name, Address, Phone Number. Includes Thompson L E.

UPLAND ST

Table with 3 columns: Name, Address, Phone Number. Includes Redekop John, Voth J H, Buehler J E, Matties Henry, Giesbrecht W R Dr.

UPLANDS DR

Table with 3 columns: Name, Address, Phone Number. Includes Wiens W.

VICTORIA

Table with 3 columns: Name, Address, Phone Number. Includes Enns Cornelius C, Schmidt Jacob J, Dyck A H, Klassen Frank R, Giesbrecht Peter, Kornelson Peter P, Bruns Walter, Willms John P, Friesen Jacob J, Dyck Elsie, Schmidt Helmut, Harder Erick, Hooge Henry, Konrad A H Rev, Hamn J E, Ott Henry, Bahmann Peter J, Toews Isaac J, Warkentin G P, Foetker Paul G, Rosler Bert, Nickel Henry H, Killoran Gordon F, Meyers Albert, Hooge Henry G, Klassen John C, Leikeman E Mrs.

VICTORY BLVD

Table with 3 columns: Name, Address, Phone Number. Includes Turner Clarence, Ralphs T E, Love Wm A, Priebe Leonard, Brandies Joseph, Shore Monty L, Lewis Stanley, Boyd James M, Peterson G H, Munro G E, King Reidford V, Akins R, Hack Arthur S, Gowland Gary, Fraser Arthur H, Hiebert Henry B, Beharrell J W, Cromwell W J, Johnson Lawrence A, Kiskoock P, Lewis F G, Deas Allan, Cauti Louis, Raqlan Edgar, Fast Alex, Dodd Harry, Nelles Rhoda Mrs, Newby W C Dr, Pongracz Frank, Nemechek Louise Mrs, Kleininger Joe.

VINEWOOD ST

Table with 3 columns: Name, Address, Phone Number. Includes Tingley C, Wiens Peter, Busby Marvin, Kvist Helmer, Day Peter, Brogaard Inger Mrs, Warkentin Abram H, Hock Otto, Sabo Jim, Kenzie John W, Brown Amanda, White D C, Buller Jack C, Thom J Ken, Enns Cornelius, Epp G E, Lusty Allan, Yanko Steve, Datoe Wm, Egger Walter J, Jansen Walter J, Pelletier Andrew, Waughall May Mrs, Wilson Robert J.

VYE RD

Table with 3 columns: Name, Address, Phone Number. Includes Sosnowski Antony, Hooge G G, Karafa Mike, Dykman Otto, Theobald Pete, Theobald Bud Pipe, Bert's X-Cavating, Lambrechts Bert, George A G, Martens Aron, Glover M L, Hulzenga R, Hofer C, Minty W A, Ferraro Gene, Schaart John.

Table with 3 columns: Name, Address, Phone Number. Includes Turnbull Marion Mrs, Dyck H D, Nigg J, De Vries D, Zanardo Idio E, Buchanan M, Verdonk James, Peters John P, Fairholm J E, Ratzlaff E F, Arends Berend, Cowley F H, Dahl Jakob, Doerksen Ben, Dyck Wm, Ferraro Ericidio, Ferraro Ramon, Jansen Pat, Janzen A A, Klassen Jacob, Kielstra John, Penner Corry, Penner John, Sawatzky Dave, Stobbe Jacob, Zanardo E.

WALKER CRES

Table with 3 columns: Name, Address, Phone Number. Includes Stratton R D, Sieboid Charles, James Norman V D, Lachapelle Vic, Funk Melvin C, Walker Harry C, Gibbard E H, Klippenstein H Mrs.

WALMSLEY RD

Table with 3 columns: Name, Address, Phone Number. Includes Toews Henry N, Lewin John, Zacharias A H, Wiebe Corrie, Giesbrecht G E, Neufeld Justina Mrs, Brandt Max, Hiebert Henry, Ewert John, Lowen Walter, De Fehr Edward, Janzen Henry H, Valley Rate-Mix Ltd.

WALNUT ST

Table with 3 columns: Name, Address, Phone Number. Includes Grigg S F, Allinout A J, Ross Walter L Mrs, Berry Wm J, Froese Ruth Miss, Van Dorp Harry C, Ferrari Mary Mrs, Lewis L E, Baynes C M, Robertson Harry.

WARD RD

Table with 3 columns: Name, Address, Phone Number. Includes Johnson J M, Regier Harvey, Valentine C.

WARE RD

Table with 3 columns: Name, Address, Phone Number. Includes Des Mazes Maurice, Lloyd W J, Krause David, Kroeker John F, Warren Jack E, Klassen G H, Deleske Luther, Peace Lutheran Church, Freund Gottliebe, Martens I A, Rasmussen Walter, Grant Hugh L, Myers C W, Szabo W, Jorgenson Thomas, Menagh Lyle, Godson Bert A S, Baker Ernie, Reimer Arden, Yuhas Gaspar, Kariton Werner, Hambley Eryan S, Plaxton E S, Wattie Margt, Peters F A, Armstrong W F, Steffak Robert, Corrigan M J, Solyon Louie, Thiessen O Jack, Casson Edward J, Petschulat Herta Mrs, Plitt A J, Rogers & Boyds Fortified Feeds Ltd, Abbotsford Senior Secondary School, Elok G, Elua Malcolm, Cape Vernon J, Emans W H, Estock E Mrs, Home Oil Distributors Ltd.

Table with 3 columns: Name, Address, Phone Number. Includes Jefferson A D, Percy Elwood J, Webber John W.

WAVELL LANE

Table with 3 columns: Name, Address, Phone Number. Includes Janssen Johanna Mrs, McNeill Leonard, Weir Kenneth M, Jones S, Macnab Fred W, Sambrooke Vera Mrs, Murphy John L.

WELLS LINE RD

Table with 3 columns: Name, Address, Phone Number. Includes Wiebe Walter, Swaan Lawrence, Towe N J, De Jong J, Hunter John F, Apperloo Ronnie, Harris H F, Hoekstra Jack, Van Leeuwen Jacobus, Martin Julius J, Penner Henry Isaac, Dueck Walter, Williams H L, Smith Ross W, Mitchell Perry E, Aperlou S, Beier A, Duyn Jacob A, Van der Frank, Wandelaar Max.

WESTBURY

Table with 3 columns: Name, Address, Phone Number. Includes Decker H Mrs, Block John P, Fischer Vern, Arnold Vic, Goertz Orval W.

WESTERLY

Table with 3 columns: Name, Address, Phone Number. Includes Krahn A P, Unrau Gordon.

WHATCOM RD

Table with 3 columns: Name, Address, Phone Number. Includes Schuurman N, Fadden Philip C, Porter F E, Porter W E, Doerksen John Jr, McGillivray Hugh, Jackson D W, Maddalozzo Ferruccio, Coers John, Siootweg K, Bassani M, Dykshoorn M Jr, Elgoid B, Jensen Henry T, Karafa Steve, Maddalozzo John, Muhlemann Hans, Nigg H, Westcoast Transmission Metering Sta.

WILDWOOD

Table with 3 columns: Name, Address, Phone Number. Includes Hoffman Thos L, Neetz Calvin, Szabon Louis, Speik W, Meinkeck M Mrs, Hyde W D, Malmas D T, Brown Geo C, Stefan Joe.

WILEROSE

Table with 3 columns: Name, Address, Phone Number. Includes Marrington Ron, Janzen Bernard, Rempel Frank, Robinson Jack D, Dyck R A.

WILLET RD

Table with 3 columns: Name, Address, Phone Number. Includes Germain Fred.

WILLOW

Table with 3 columns: Name, Address, Phone Number. Includes Craven R S, Adrian Ken, Kenie Peter, Anderson L J, Thomson G D Dr.

WINDSOR RD

Table with 3 columns: Name, Address, Phone Number. Includes Beryn Margt Mrs, Clearbrook Jr Secodary Sch, Eben-Ezer Mennonite Church, Neudorf W A.

WINSON RD

Table with 3 columns: Name, Address, Phone Number. Includes Trethewey W N, Wiens N H, Bartsch Ernest.

WOODBINE CRES

Table with 3 columns: Name, Address, Phone Number. Includes Carter Geo M, Krause Edwin J, Gardner Donn, Fridriksson Edw, Harper Vernon.

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## HOT SPRINGS RD - Contd

858 Maulson E A	796-2670
875 Harrison Taxi	796-9111
875 Harrison T V Service	796-9112
875 Harrison Trading Co	796-2584
875 Varcoe J	796-2584
912 Trout Paul F	796-2441
966 Barton Keith	796-2096
2301 Fletcher H F	796-2390
2302 Heward Alan	796-2471
3028 Striker Elsie Mrs	796-2546
3027 Mitchell Teresa Mrs	796-2265
3186 Payne A J	796-2557
3245 Eraskama Sidney	796-2743
3326 Campbell David	796-2490
3318 Gauthier M	796-2720
3581 Walters T E	796-2308
3635 Alexandre Louie	796-2544
3771 Hooker Dave	796-2543
4658 Grypaik Samuel	796-2363
4903 Hrybciuk Metro	796-2547
4903 Hanson Norman W	796-2487
Abram J M	796-2192
Alexandre J P	796-2180
Becker William	796-2077
Benneth L	796-2381
Clarke M F	796-2034
Eagle Creek Logging Co Ltd	796-2414
Garbet Bruce	796-2185
Green Edwin A	796-9184
Harrison Hot Springs Elem Sch	796-2838
Harrison W G	796-2781
Heikenberg Fred J	796-9104
Hicks Lloyd C	796-2774
Hughes Mary Mrs	796-2752
Inkman Frank Mrs	796-9163
Jenkins P A G	796-2748
Kelley Victor Jay	796-2292
Lovell C B	796-2261
Mc Bride K R	796-2274
McCaffrey P S Mrs	796-2642
McCombs A	796-2414
McPherson L C	796-9107
MacPherson Robert L	796-2654
McRae Duncan F	796-9191
Mayfield Serv Garage	796-2844
Miami Auto Park	796-1544
Orman J A	796-2811
Pines Drive In	796-2036
Robert Evan Mrs	796-9188
Rhodes Hal Photog	796-2061
Smyth Benjamin B Rev	796-2715
Striker Jack	796-2419
Sweetman F	796-9174
Thompson James	796-2769
Walters L	796-2848
Weick A	796-2076
Wigand Henry	796-2555
Wilson Ethel Mrs	796-2837

<b>HUMPHREY RD</b>	
4323 Nielsen Oscar B	796-2526
4354 Wolff John	796-2357
4514 Lunt Samuel A	796-2836
Danielson Sten	796-2808
Dyck Henry	796-2801
Johnson Lloyd K	796-2894
Jones R A	796-2818
Priddy E	796-2160
Sodermann Ludwig	796-2093

<b>HUNT RD</b>	
4480 Lanting K	796-2426
Farrant S E	796-2063

<b>INKMAN</b>	
620 Wagar H	796-2536

<b>KAMP</b>	
5840 Couwenberg G W	796-2341
6048 Ferrari Joseph	796-2366
Beaton Wm A	796-2866
De Rutter H	796-2856
Friends Frank	796-2784

<b>KENNEDY RD</b>	
Hansen M	796-2597
Toenders T	796-2593

<b>KENT</b>	
Kent Municipal Ambulance	796-2544
Kent Municipality Fire Dept	796-2544

<b>KILBY RD</b>	
167 Stockand Howard	796-2289
160 Krimmer J W	796-2512
215 Kirby Acton	796-2793
MacDonald T G	796-2715

<b>LAKEVIEW RD</b>	
Pfeffer Walter	796-9169

<b>LILLOOET</b>	
104 MacLeod D W	796-2702
114 Hedland Auto Court	796-9050
124 Ferrault Dennis	796-2647
134 Turner Sam	796-2377
174 Lanfranchi Gino	796-2475
278 Caribou Motel	796-2316
272 Mosier Theima Mrs	796-2262
312 Cair F W	796-2445
312 Neismith A M Lieut Col	796-2445
348 Stirling J	796-2405
380 Roberts John S	796-2788
408 Peambault Henry	796-9158

419 Roberts Alan	796-2295
429 Saen C B	796-2457
436 Ingham Ronald D	796-2718
440 McInroy F	796-2603
449 Pearson Fae Mrs	796-2527
469 Eriggs Louise Mrs	796-2152
480 Glaister K G	796-2049
470 Rose E L Mrs	796-2850
479 Kirkman Jack	796-9122
499 McCaig R W	796-2216
511 Bungalow Motor Court	796-9133
514 Robinson M	796-2891
520 Heinrichs Walter	796-9146
526 Erielsman P J	796-2763
531 Burger A	796-2451
538 Penota Robert L	796-2545
544 Aranedo V L	796-9176
553 Rendall T	796-2450
556 Power D R	796-2768
562 Kaiser H G	796-2746
562 Taylor Winnifred	796-2588
Gair Judy	796-2220

<b>N LILLOOET AV</b>	
550 Clayton Gertrude Mrs	796-2894
BC Govt Forest Service Station	796-2440
Riv-Tow Marine Services	796-2626

<b>S LILLOOET AV</b>	
Comai C	796-2838

<b>LIMBERT RD</b>	
1256 Myram E Mrs	796-2345
4982 Carroll G W	796-2409
6792 Schwartz A	796-2711
5877 Lanting Henry	796-2356
Qord W	796-2480
Bergstrom W	796-2580
Carperon W C	796-2057
Graham Earl	796-2357
Key Fred	796-2194
Limbert Martin J	796-2619
Rasmussen L A	796-2792
Williamson Doug	796-2828
Young John H	796-2828
Young Nancy Mrs	796-2828

<b>LOGGING RD</b>	
Devis G W	796-2865

<b>LOUGHEED HWAY</b>	
885 Katsafanas Steve	796-2363
1540 Duncan William	796-2448
2021 Duncan Donald	796-2320
3101 Tolmie C H	796-2753
3227 Green A	796-2376
3251 Smith H A	796-2396
3282 Nightingale Gene F	796-2296
3280 McRae Kenneth D	796-2678
4031 Post John	796-2358
4583 Frayn C	796-2895
4628 Vries John D	796-2504
4699 Cornack J P	796-2429
4725 Satuk S	796-2349
4949 Sprlak P	796-2482
4990 Owen's Mountain View Store & Serv Sta	796-2651
5039 Quaschnick J	796-2342
5005 Warbrick Archie	796-2343
6013 Darel Paul	796-2561
6024 Threlfall Margaret Mrs	796-2717
5904 Jones A E	796-2684
5832 Sward Donald	796-2806
5898 Nassura R	796-2418
5936 Kent Hotel	796-2276
6086 Dunkerley John James	796-2878
6110 Pathfinder Motel The	796-2716
6141 Carson John E A	796-2506
Arnell D	796-2850
Bodner John G	796-2656
Bulmer Ken	796-2789
Burns Tom	796-2741
Eynum M A Mrs	796-2879
Clarke W E	796-2049
Couch Ethel Mrs	796-2065
Dec J S	796-2827
Eddy E A Mrs	796-2102
Eddy H J	796-2038
Eddy W D	796-2814
Flanders E P	796-2852
Floyd Kenneth C	796-2115
Floyd Laurence	796-2855
France H M	796-2831
Gray Thomas	796-2577
Grosz R I	796-2622
Halstead Ronald	796-2780
Harkins F E	796-2579
Heizmann Gorg	796-2756
Kent Hotel Beauty Salon	796-2490
Kohlsmith Glenn	796-2581
Kohlsmith J	796-2791
Leipert F W	796-2766
Leon Rudolph	796-2806
Lindholm N C	796-2503
Madison Mae Mrs	796-2840
Mailloux Wm	796-2700
Mount Woodside Motel	796-2551
Neismith H H	796-2105
Nielsen Rudolph	796-2476
Oosterlaar Wm	796-2890
Scarr T	796-2631
Schneider M	796-2721
Sherlock C	796-2808
Stowell P	796-2785

Thiessen A D	796-2059
Triangle Service	796-2746
Urseth Ingvold Mrs	796-2666
Van Dyke Paul	796-2444
Victor Motors (Power Saws) Ltd	796-2622
Vogstad A O	796-9134
Waldon R E Mrs	796-2844
Watkins Sawmills Ltd	796-2832
Wiehler Henry A	796-9094

<b>McCAFFREY AV</b>	
1990 Benneth James	796-2510
Kaw Wallace	796-2634

<b>McCAFFREY RD</b>	
Finlay H S	796-2092
Fleming Ray	796-2818

<b>McCALLUM RD</b>	
5330 Sturdivan Norris R	796-2391
5390 McInroy C	796-2363
5533 Dyck John F	796-2398
5634 Funk A B	796-2305
5844 Ernie Peter	796-2453
5845 Striker M W	796-2452
6015 Lynam M	796-2303
6189 Hirschfeld Edward	796-2304
Bergsma John	796-2349
Danielson Contracting	796-2770
Hanna Lorraine Mrs	796-2781
Key Albert E	796-2517
McInroy Walter	796-2659

<b>McDONALD RD</b>	
7076 Twilnar John	796-2431
7257 Glenwood Private Hospital Ltd	796-2511
7257 Murphy M A Mrs	796-2511
Chandler E F	796-9098
Doherty A E	796-2653
Ernie Peter	796-9050
McDonald C	796-3145
Martin S	796-2637
Van der Horst Peter	796-2705

<b>McPHERSON RD</b>	
McPherson Marvel	796-2390

<b>McRAE RD</b>	
Hatt Walter	796-2672

<b>MAPLE</b>	
256 Hill M A	796-2282
298 Peter's Tent & Trailer	796-2758
298 Thein Pete	796-2756

<b>MARTIN</b>	
7226 Wierks Gerry	796-9109
7255 Ottenbreit F	796-2469

<b>MILL RD</b>	
Esboth Joseph	796-2855

<b>MORRIS VALLEY RD</b>	
Lions Gate Tobacco Co Ltd	796-2519
Pretty L F	796-2519
Wierda S	796-2597

<b>MORROW RD</b>	
7228 Tuytens Maurice	796-2385
7237 Catholic Church	796-9181
7237 Vermeulen C Rev	796-9181
7342 Hedway C	796-2476
7254 Sciotti S	796-2388
7268 Hicks W A	796-2455
7291 Booth G H Dr	796-2423
7296 Michaloski M H	796-9043
7312 Fraser Alan	796-2434
7343 Freeman J	796-2534
7360 Corviveau Flora Mrs	796-2300
7365 Roberts B A	796-2554
7449 Delacherois R O	796-2467
7479 Shore A Mrs	796-2516
7505 Morrow J G	796-2466
7557 Sumpter Wm	796-2492
7686 Gulker John	796-2606
8018 McCartney John	796-2456
8026 Gulker John	796-9198
Bourel Eugene	796-2508
Chaplin A P	796-9001
Dyer Earle J	796-9064
Fraser Jim	796-9182
Harmson C C	796-2782
Inkman C J	796-9140
Johnson W S	796-2600
Kozek John	796-2777
McDonald Kenneth F	796-2650
Minuth Victor	796-2673
Morrow N A	796-9087
Morrow's Transfer	796-2320
Rodger Ronald	796-2677
Sand Martin	796-2682
Scott J D	796-9130
Scott S S	796-2628
Swyck Metro L	796-2653
Vogstad Allen L	796-9060
Whelpton J R	796-2439

<b>MOUNTAIN VIEW RD</b>	
6436 Andres Hans	796-2309
Abma Fred	796-2854
Appel Frank J	796-9109
Kelonen Arnhil	796-9065
Lunt Howard	796-9097
Riemersma Jan	796-2886

<b>PARK WOOD SUBDIVISION</b>	
Barkey E E	796-2656
Michaloski Wm	796-2633

<b>PETERS RD</b>	
Peters Stanley J	796-2869

<b>PINE</b>	
389 Link Olie	796-2407
455 Marochi R	796-2785
444 Munro D H	796-2807
473 Vaugeois Dennis	796-2585
478 Cress D M	796-9138

<b>PIONEER</b>	
1892 Agassiz Restaurant	796-2500
6012 Phillips Albert	796-9048
6304 Ferreira Angus	796-2648
6332 Marsh Marilyn Mrs	796-2638
6952 Walker Mel	796-2494
7278 Kober Williams S	796-9118
Cross Lyle	796-2771
Galloway D F	796-2804
Reel F J Ltd	796-9123
Reel F J	796-9123
Olya's Style Shop	796-9000
Ozerov Alex	796-2728

<b>PIONEER EAST</b>	
8654 Marriott R N	796-2528
7105 Cherry Cafe	796-2412
7216 Schmidt Henry P	796-2520
7233 Strays A	796-2364
7255 Coulter W Don	796-2479
7260 Liquor Vendor's Store	796-2421
7266 Agassiz Builders Sapp Ltd	796-2433
7267 Agassiz-Harrison Adv- vance	796-2425
7430 Van Dosterom C	796-9036
Brown Marlin	796-2325
Daubney Wm R	796-4187
Grappin Alexander	796-9166
Holt Walter	796-2682
Jones All Auto Body Shop	796-9151
Larson Carl	796-2668
McLean's Grocery & Confectionery	796-9034
Midcaiff Arthur J	796-9178
Oleksy Jack	796-9176
Petersen Elva Mrs	796-9185
Scott's Meat Market	796-9044

<b>PIONEER WEST</b>	
1940 CFR Co Station	796-2311
2508 Teague Wm R	796-4079
2566 Sherman John	796-2273
6570 Edmondson Maude Mrs	796-2765
8704 Edmondson Charles W	796-2468
8954 Layton J A	796-2483
7010 Shell Car & Truck Serv	796-2384
7018 Wilson Harry	796-2373
Pioneer Beauty Salon	796-2444
Bank of Montreal	796-2636
Bobb L W	796-9008
Booth G H Dr	796-9120
British American Oil Co Ltd The	796-9111
3'Easum G C	796-2582
Penwick William	796-9072
Gibson's Red & White Store	796-9124
Gravelle Margaret Mrs	796-9070
Hertgers Jake	796-2737
Hipwell Harry D Ltd	796-9045
Imperial Oil Co	796-2465

# 1970

## ABBOTSFORD-CLEARBROOK DIRECTORY

An Alphabetical Directory of Business Concerns and Residents

### PUBLISHED IN TWO EDITIONS

THE HOME SUPPLEMENT EDITION containing the following departments:

1. The alphabetical listings of residents indicating occupation, marital status, address and telephone number. Included also are business concerns with indication of owners, managers or executives.
2. The Classified Business Directory with listings of business firms, professional services, tradespeople, organizations, schools, hospitals, libraries, public buildings, etc.

THE COMPLETE BUSINESS EDITION containing the following in addition to the two departments contained in the HOME SUPPLEMENT EDITION as listed above:

1. A STREET AND AVENUE GUIDE which lists residential homes, business locations with telephone numbers by street address. Home ownership is also indicated.
2. A NUMERICAL PHONE INDEX. Listing all existing phone numbers numerically, with names of individuals residing at location of telephone.



IMPORTANT TO ALL RESIDENTS — This Directory was made possible through the splendid co-operation of those business firms of this area whose advertisements appear in it, thus your patronage of these prominent firms will compensate for their progressive effort on your behalf.

PUBLISHER'S NOTE — We wish to thank all the advertisers for the gracious manner in which our representatives were received. To the householders, the business firms, we are also indebted for co-operation received in obtaining the information contained herein. It is our earnest hope that the Directory pleases everyone.

PUBLISHED BY

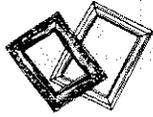
**B. C. DIRECTORIES**

100 East 4th Avenue

Phone 879-5311

Vancouver 10, B.C.

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# KASZONYI



# GALLERIES

32222 South Fraser Way

PHONE 853-2426

Clearbrook

PICTURE FRAMES — OIL PAINTINGS  
ART SUPPLIES—CUSTOM PICTURE FRAMING

Largest Art Shop in the Valley

(1970)

### Cedar Av - Contd

- 34246 Appeldoorn H @ 859-4363
- 34252 Goertzen E E @ 853-3988
- 34258 Martin D F @ 853-3038
- EARL'S CT BEGINS
- 34264 Occupied
- 34272 Fribance G E @ 859-7230
- 34292 Tallman O O @ 859-8149
- 34295 Morris D E @ 859-7858
- ns New House

### CEDAR LANE

- EAST FROM 2564 CLEARBROOK
- 32025 Occupied
- 32034 Schroeder Mrs A @ 859-5516
- 32040 Thiessen Mrs S @ 859-4148
- 32054 Brandt Mrs E @ 859-5716
- 32055 Kane J T 853-2459
- 32062 Warkentin D H @ 853-2189
- 32070 Warkentin A @ 859-9896
- 32088 Bauman A @ 859-9502
- AUBURN INTERSECTS

### CENTENNIAL ST

- NORTH FROM 31881 UNION
- 270 Konrad P J @ 859-9853
- 2610 Giesbrecht H @
- 2611 Fast J H @ 859-9285
- 2625 Friesen Contrg bldg contrs  
859-4232
- 2625 Friesen A O @ 859-4232
- 2628 Gossen J H @ 859-4438
- 2640 Kasper N @ 859-8177
- 2641 Wiebe G W @ 859-8202
- 2647 Born Mrs K @ 859-9405
- 2652 Maujoka M @
- 2657 Rempel A @ 859-9395
- 2662 Hooge H G 859-9406
- 2669 Rempel A W
- 2676 Ratzlaff G P @ 859-8642
- 2679 Lietz Mrs A @ 859-2028
- 2684 Thiessen D C @ 859-9595
- 2702 Driediger D D @ 859-4637
- 2710 Arendt J M 859-4339
- 2711 Qualey J E @ 859-5990
- 2718 Janzen H J @ 853-3108
- 2721 Heppner H M @
- 2728 Kroeker Mrs A @ 853-3930
- 2729 Friesen J M 853-2314
- OLD YALE RD INTERSECTS
- 2771 Brucks A @ 859-5834
- 2778 Wiebe P J @ 853-3092
- 2781 Zacharias J @ 853-3820
- 2789 Ljashenko H @ 859-9288
- 2798 Lenzmann Rev H @ 859-4924
- 2799 Wiens P H @ 859-9843
- DUCHESS BEGINS
- 2805 Enns H H @ 859-5888
- 2808 Occupied
- 2815 Fisher J E 859-8020

### Centennial St - Contd

- 2808 Block H @ 859-8186
- COUNTESS CRES INTERSECTS

### CENTRE ST

- NORTH FROM 31800 BLK GLEN-  
WOOD
- BEECH BEGINS
- 2257 Reddicopp L @
- 2261 Goodlad W J @ 853-3205
- 2273 Dyck David @ 853-1356
- 2289 Thiessen J @ 859-9941
- 2315 Harder E bldg contr @ 859-4540
- 2315 Rita's Beauty Salon @ 859-8813
- OAK BEGINS
- 2323 Occupied
- 2333 Preston G R @ 853-3490
- 2343 Rempel P J @ 853-2046
- 2344 Block P C @ 859-9263
- 2353 Baerg R @ 859-9875
- 2353 Siemens A R @ 859-5107
- 2373 Harder J J @ 859-8930
- FOREST BEGINS
- 2425 Occupied
- 2426 Moore C T @ 859-4504
- 2436 Braun D H @ 859-8333
- 2437 Enns A J @ 853-2539
- 2446 Loewen D H @ 853-1547
- 2449 Baerg J @ 853-3235
- 2456 Wilson A J @ 859-7485
- 2459 Siemens Mrs A @ 859-9175
- 2466 Toews S @ 859-4324
- 2476 Johnston E C @ 853-3966
- SOUTH FRASER WAY INTER-  
SECTS

### CHELSEA AV

- EAST TO 2150 SANDALWOOD CRES
- 33256 Stuart F A @ 859-9428
- 33257 Siska J @ 859-9421
- 33266 Dick Rev E G @ 853-3511
- 33267 Stewart B L 853-2650
- 33277 Drew W A @ 859-4634
- SANDALWOOD CRES INTER-  
SECTS

### CHERRY ST

- NORTH FROM 33895 MARSHALL
- 2020 Trinity Lutheran Ch
- 2045 Fowler D H @ 859-8405
- 2054 Kular S W @ 853-2392
- 2059 Hampel Mrs A @ 853-2077
- MAYFAIR INTERSECTS

### CHESTNUT ST

- NORTH FROM 34661 OLD CLAYBURN
- 3267 Hicks L R @ 853-1469
- 3282 Lyons Mrs A @ 859-7346
- 3291 Loewen J M @ 859-5081

### Chestnut St - Contd

- 3295 Rolleman's Constn bldg contrs  
859-4104
- 3296 Rolleman H H @ 859-4104
- 34667 Gossen F J @ 853-2870

### CHURCH ST

- NORTH FROM 32061 PEARDONVILLE
- 2424 Regier F E @ 859-9811
- 2425 Zacharias Rev J L 853-1488
- 2432 Sima Mrs E @ 859-9153
- 2435 Siemens Mrs M 859-4169
- 2440 Bergen Mrs H W 859-5172
- 2441 Dyck H @ 859-8115
- 2445 Bergen E 853-1774
- 2449 Neufeld J 859-5078

### CLARKE DR

- NORTH FROM 33750 BUSBY
- 2282 Trethewey J O @ 853-2648
- 2283 Hougen A I @ 853-2510
- 2295 Patterson A H @ 853-2009
- 2298 Miller Mrs M L @ 853-2410
- 2311 Webster F C @ 853-1726
- 2314 Perry C P @ 853-1931
- 2319 Thiessen J I @ 853-2845
- 2326 D'Andrea A @ 853-3657
- 2327 Battistoni C F @ 853-3124
- 2335 Jones M D @ 853-6156
- 2336 Calland Rev N @ 853-2416
- 2346 Gregory Rev J H @ 853-2154
- 2347 Inman R B 853-1500
- 2355 Harder I J @ 859-5662
- 2358 Hapiuk N @ 859-9014
- 2369 Groothof L @ 859-9495
- 2370 Kraft J G @ 859-8928
- 2393 Tucker M @ 853-2488
- BOUNDARY INTERSECTS

### CLEARBROOK RD

- NORTH FROM 31943 KING
- 1630 Dick A A 859-4560
- 1648 Wiebe W 853-3632
- 1649 Bennett F C @ 859-9717
- MARSHALL RD EXTENSION ENDS
- 1709 Occupied
- 1733 Loewen A @ 859-9389
- 1736 Veer W J @ 859-4585
- 1745 Okkerse T H masonry constr  
859-9235
- 1762 O'Brien D L @ 859-5327
- 1772 Weir N W 853-3440
- 1789 H & H Trailer Sales & Rentals  
853-2894
- 1789 Hildebrandt H J @ 853-2894
- 1794 Vacant
- NOT OPENED THROUGH
- 1806 Rawleigh Prods 859-8323
- 1806 Toews W F @ 859-8323
- 1882 Isaac H P @ 859-8551

## Clearbrook Drygoods, Ready-To-Wear and Fabric Centre

CLOTHIERS FOR THE ENTIRE FAMILY — DRY GOODS — FABRICS

32031 SOUTH FRASER WAY

PHONE 853-1361

CLEARBROOK

(1970)

# GALE REALTY & MORTGAGE CO. LTD.

Real Estate and Land Development - Mortgages - Appraisals - Insurance - Sub Division Specialists

2467 PAULINE ST.

PHONE 853-1151

ABBOTSFORD

## Clearbrook Rd - Contd

1824 Bergen Mrs K © 859-4002  
 1858 Matties H © 859-5739  
 MARSHALL RECOMMENCES  
 JOYCE BEGINS  
 2085 Lescheid W 859-7379  
 2095 Friesen Equip farm equip  
 859-7644  
 2121 Wiebe J © 853-2435  
 2132 Itcush Mrs P © 859-4557  
 2139 Occupied  
 2153 Vacant  
 2166 Dueck J A © 853-2942  
 2175 Thiessen J R 859-8842  
 2182 Rempel G J © 859-9780  
 2194 Friesen D D 853-1576  
 2197 Lark Mtrs serv sta 853-3815  
 MELMAR BEGINS  
 2211 Fleming J J © 859-8581  
 2231 Lawson E J 859-7839  
 2245 Occupied  
 2276 Manley E W © 859-8336  
 2285 Bakerview Mennonite Brethren  
 Ch 859-4611  
 FIR BEGINS  
 2310 Vacant  
 2311 Whitmore P 859-4164  
 2328 Bergen Mrs T © 853-1631  
 2331 Shroeder Mrs T © 859-9775  
 2339 Derkson Dr W H © 853-3115  
 2349 Goerz J © 859-5198  
 2359 Sawatzky Mrs A © 859-8277  
 2360 Wiens J J © 859-7372  
 2369 Dyck Miss M  
 2372 Andres W G © 853-3415  
 2377 Epp G P © 859-9596  
 PEARDONVILLE INTERSECTS  
 2410 Pankratz Mrs J © 859-4487  
 2411 Ferns Beauty Nook beauty salon  
 859-4914  
 2420 Krahn I I © 859-8650  
 2421 Occupied  
 2430 Martens Mrs S © 853-1891  
 2431 Reimer Rev B D 859-7241  
 SUNRISE CRES BEGINS  
 2440 Krahn Mrs M © 859-8174  
 2448 Buhr Mrs A 859-5914  
 2455 Warkenten A © 859-8520  
 2458 Occupied  
 2466 Baxandall J © 859-4908  
 PINEVIEW BEGINS  
 2467 Block Mrs K ©  
 2486 Peters Mrs K © 859-8929  
 2487 Friesen D A © 853-2305  
 SUNRISE CRES ENDS  
 2494 Advance Htg © 859-7261  
 2497 Hildebrand Mrs M © 859-4162  
 2500 D&D Constn bldg contr 859-8267  
 2500 Dyck A A © 859-8267  
 2502 Laudromat  
 2502 Huffman J  
 2502 Epp J  
 2502 Friesen D

## Clearbrook Rd - Contd

2507 Schmidtke C © 859-7025  
 2508 Enns I G A Foods  
 2516 Occupied  
 HILLCREST BEGINS  
 2519 Occupied  
 2529 Occupied  
 2539 Rogalsky H J © 859-5508  
 2539 Schmidt A D © 859-8229  
 2540 Friesen Mrs M © 853-2704  
 2548 Kopp P P 859-5593  
 2549 Loewen F F © 859-4055  
 CEDAR LANE BEGINS  
 2569 Heppner J ©  
 2577 Vacant  
 2579 Valley Taxidermy & Fibreglass  
 859-4740  
 2580 Filter Queens Sls vacuum clnrs  
 859-8430  
 2580 Wallace D H 859-4939  
 SOUTH FRASER WAY INTERSECTS  
 2611 Laundromat  
 2613 Vic's Barber Shop 859-5440  
 2615 Marshall Wells Plaza Hdw  
 859-5612  
 2627 Penner's Pharm 853-2421  
 2631 Can Imperial Bank 853-3344  
 2635 Heppner Jwlr 859-4016  
 2639 Clearbrook Food Centre 853-2310  
 2640 Vacant  
 2642 Giddings M E 853-1368  
 2651 Neufeld Mrs E J © 853-1432  
 2666 Epp D D P 859-8379  
 2672 Wiens J A © 859-8865  
 DUECK ENDS  
 2682 Schmor Miss C 853-1038  
 2689 Harder H  
 2691 Tieszen A H © 859-8841  
 2693 Letkamen Mrs H © 853-1945  
 2694 Mielke F © 853-1884  
 NOBLE BEGINS  
 2704 Enns Mrs S B © 859-9212  
 2716 Buller Mrs H © 859-9822  
 2728 Brandt J K © 859-9822  
 2736 Sukkau J A © 859-4190  
 2758 Gyuricza E © 853-1066  
 OLD YALE INTERSECTS  
 2770 Neufeld M L piano tchr ©  
 859-5388  
 2700 Neufeld W R violin tchr ©  
 859-5388  
 2780 Wiens Mrs H © 859-5389  
 MT WADDINGTON BEGINS  
 2794 Derksen J J © 853-2402  
 2808 Brown J I © 859-4273  
 2816 Wiens H J © 859-9547  
 2826 Peter's B B © 859-9959  
 2834 Hodel Miss O R © 859-7042  
 2836 Gutwin Miss H 859-4978  
 TIMS BEGINS  
 2844 Peters C N © 853-2179

## Clearbrook Rd - Contd

2855 Occupied  
 1 Stonehouse R 859-7273  
 2 Woloschuk D 859-9593  
 3 Dyck E C bldg contr 859-4561  
 4 Regier P  
 2860 Nickel Mrs M © 859-4561  
 2873 Zurowski H C © 853-3620  
 2876 Stralutat E 853-2348  
 2882 Paetkau Miss M ©  
 2890 Reimer H G © 859-5319  
 HOPEDALE ENDS  
 DAHLSTROM BEGINS  
 2901 Wiebe Mrs C 853-3596  
 2911 Niessen P 853-2980  
 2940 Mennonite Brethren Bible Inst  
 sch 853-3358  
 2940 Mennonite Brethren Mission of  
 BC 853-3358  
 2940 Mennonite Brethren Christian  
 Educ Ofc 853-3358  
 2940 BC Conference of Mennonite  
 Brethren Churches 853-3358  
 2944 Schmidt G 859-8102  
 2953 Occupied  
 2972 Belton T  
 2985 Braun G © 853-3865  
 2992 Braun N © 859-9660  
 CORAL ENDS  
 3019 Umrnh J W 859-9301  
 3026 Schierling J 853-2936  
 3035 Suderman H J 859-5849

## COMMERCIAL ST

NORTH TO 32547 SOUTH FRASER  
 WAY

2629 Ace Hydraulics mach shop ©  
 859-4442

2649 Occupied

SOUTH FRASER WAY INTERSECTS

## CONWAY PL

SOUTH FROM HIGGINS

## CORAL AV

EAST FROM 2953 PRINCESS

31796 Stelting H E © 859-7768

31798 New House

31800 New House

31802 New House

31804 New House

CASTLE CT BEGINS

ROYAL ENDS

CLEARBROOK INTERSECTS

## COUNTESS CRES

NORTH FROM 31876 OLD YALE

2626 Wiebe D P © 853-1787

2627 Reimer J A © 853-2328



# INSURANCE SERVICES LTD.

ONE CALL INSURES ALL — AUTO - FIRE - LIFE - FARM

2485 PAULINE ST. Phone 859-4725 — Residence 859-4610 ABBOTSFORD



# JOHN MCGOWAN MOTORS LTD.

PONTIAC - BUICK - ACADIAN - VAUXHALL CARS - G.M.C. TRUCKS — HERTZ RENT-A-CAR

32611 South Fraser Way

PHONE 859-5264

Abbotsford

## Victory Blvd - Contd

- 33863 Kehler J H @ 859-4922  
 33866 Hagen A M @ 859-9702  
 33873 Buhler J @ 859-9522  
 TAYLOR WAY BEGINS  
 33876 Bukowski E @ 859-8119  
 33886 MacDougall Mrs J W @ 859-9410  
 33897 Smith P P E @ 859-5001  
 33898 Johnson Mrs B @ 853-3952  
 33906 Kissock P @ 853-2423  
 33911 Hrussoezy V @ 853-2495  
 33916 Deas A M @ 859-9910  
 33919 Boulton J H @ 853-1248  
 33927 Csuti L J @ 859-5649  
 33934 Raglan E A @ 853-2578  
 GRANT ENDS  
 33937 Ciccone V G @ 859-4082  
 33947 Dodd H F @ 853-1337  
 33954 Caul L L @ 859-4215  
 33959 Newby W C @ 859-9695  
 33969 Pongracz F @ 859-5372  
 33970 Buchanan R  
 33977 Kleininger J @ 859-5004  
 MCKENZIE INTERSECTS

6

## VINEWOOD ST

- NORTH FROM 33245 MARSHALL  
 2018 Balliet P A 859-5634  
 2021 Sandstrom H V @ 853-1739  
 2029 Gee F  
 2030 Occupied  
 2040 Day P J @ 853-2651  
 2051 Brogaard Mrs I @ 859-4366  
 2052 Warkentine Mrs M @ 859-9603  
 2061 Vacant  
 2062 Cochrane G F @ 859-5717  
 2071 Hoock O 859-9026  
 2072 Sabo J @ 859-5765  
 2079 Hada J @ 859-5065  
 2082 Yanko S P @ 853-1359  
 2085 Brown E I @ 853-2092  
 MAYFAIR BEGINS  
 2108 Carson I S @ 853-2180  
 2109 Fall Norman R 859-8863  
 2121 Lusty A A @ 853-2587  
 2131 Occupied  
 2141 Enns Mrs E @ 859-8971  
 2143 Timar J @ 859-4014  
 2148 Smorenburg W @ 859-4445  
 2153 Renner D L @ 859-4226  
 2158 Heitzmann J @ 859-9154  
 2170 I Grant Mrs M 853-6040  
 2 Occupied  
 3 Occupied  
 4 Oostenbrug Mrs T  
 2182 Collins F  
 2185 Johansen J P @ 853-2990  
 2190 S Clark M A  
 2192 G Sigfusson Mrs S M  
 WARE INTERSECTS

## WALKER CRES

- SOUTH FROM 34600 BLK MARSHALL  
 34668 Van Tilborg R 859-4239  
 34670 Straiton R D @ 859-8331  
 SKYLINE BEGINS  
 34691 Siebold C H @ 859-8217  
 34694 James N V D @  
 34709 Paul J D @ 853-2385  
 34729 Funk M C @ 853-2774  
 34734 Walker H C 859-8882  
 34746 Gibbard E H @ 859-9252  
 34752 Klippenstein H @ 859-9689  
 MARSHALL INTERSECTS

10

## WALNUT ST

- EAST FROM 2722 GLADYS  
 ABBOTSFORD MISSION HWAY  
 BEGINS  
 33887 Jantz H W 859-4761  
 McCRIMMON BEGINS  
 33902 Berry W J @ 859-5363  
 33904 Froese Miss R M 859-8300  
 33907 Van Dorp H C @ 859-5629  
 33919 Allinott A I @ 859-5557  
 33923 Occupied  
 33945 Fast K J @ 853-1440  
 MAPLE INTERSECTS  
 33986 Sollied B M @ 859-9086  
 33988 Domke Mrs E M @ 859-5050  
 33993 Kasper W H @ 853-3200  
 PRATT AND CAMBRIDGE BEGINS  
 34115 Bukowski Mrs L 859-4956  
 WOODLAND BEGINS  
 34161 Chausse W H @ 859-4093  
 34171 Klew K @ 859-5776  
 34181 Kvist H A @ 859-9402  
 ASH INTERSECTS  
 GREEN BEGINS

11

## WALSH AV

- EAST FROM 2593 WARE  
 33236 Gough & Co Ltd elec equip  
 859-9804  
 33241 Home Oil Distrib 853-2177  
 ALLIANCE INTERSECTS

5

## WARE ST

- NORTH FROM 33218 MARSHALL  
 2010 Kroeker J F @ 859-8943  
 2020 Grant W L 859-4256  
 2030 Klassen G H @ 859-9173  
 2039 Peace Lutheran Ch 859-5409  
 2040 Blue M @ 853-1530  
 2047 Doering Rev F 859-5409  
 2050 Bos R W 853-3608  
 2062 Occupied  
 2065 Vacant  
 2067 Buller H 853-1746  
 2070 Freund G @ 859-5695  
 2075 Walter R bldg contr @ 859-4762

6

## Ware St - Contd

- 2077 Vacant  
 2078 Vacant  
 2082 Occupied  
 2090 Rasmussen W @ 859-9088  
 2096 Occupied  
 BRUNDIGE ENDS  
 2113 Myers C W @ 853-2368  
 2127 Sousedik F 859-8088  
 2129 Mayer W W 859-7281  
 2130 Szabo W @ 859-9927  
 2141 Morrison T R @ bldg contr  
 859-9073  
 2142 Occupied  
 2152 Occupied  
 VINEWOOD ENDS  
 2184 Brown C J 853-2149  
 2191 Godson A S  
 BEVAN ENDS  
 2221 Bev-Way Grocery 859-5573  
 2221 Blackman H A @ 859-5573  
 2222 Abbotsford Jr Secondary Sch  
 859-7125  
 2223 Occupied  
 2235 Occupied  
 2243 Occupied  
 2255 Fleming J 859-8159  
 2258 Hein W E @ 859-9761  
 2294 Ferguson Mrs E M 859-9661  
 2296 Benedict D H 859-7297  
 ALTA CRES BEGINS  
 2306 Friesen P E @ 859-5407  
 2313 Des Mazes Mrs J @ 853-1763  
 2322 Templeton E B @ 859-8306  
 2339 Mahoney J A 859-7255  
 2356 Richardson J B @ 853-3857  
 FARRANT CRES BEGINS  
 2365 Reed D M @ 853-2779  
 2365 Nokleby B O 853-3162  
 2370 Supernal Homes bldg contrs  
 853-1953  
 2370 Funk H D @ 853-1953  
 2377 Pawlovich Dr J P @ 853-3122  
 2385 Crocker P B @ 853-1315  
 2387 Kariton W N @ 859-8461  
 2394 Butchart J F @ 859-8243  
 RAVINE BEGINS  
 2414 Krahn Dr J J @ 859-4707  
 2423 Occupied  
 2425 Terlingen Dr H A 859-4647  
 2425 Wattie Miss M 853-1947  
 2440 Neal L C @ 859-8944  
 PLAXTON CRES INTERSECTS  
 2445 Lakeside Ter apts 859-7525  
 101 Stirn J F 859-7086  
 102 McRae M D 859-7574  
 103 Osborne P J 853-2637  
 104 Spence P R 853-1239  
 201 Deyo Dr A W 853-2072  
 202 Alp J E 859-5785  
 203 Gaetz M L 859-9824

5

# R. A. BROWN AGENCY LTD.

REAL ESTATE

MORTGAGES

FIRE INSURANCE

2613 PAULINE STREET

ABBOTSFORD

PHONE 853-2405

# 1980

## ABBOTSFORD-CLEARBROOK DIRECTORY

An Alphabetical Directory of Business Concerns and Residents

### PUBLISHED IN TWO EDITIONS

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IMPORTANT TO ALL RESIDENTS — This Directory was made possible through the splendid co-operation of those business firms of this area whose advertisements appear in it, thus your patronage of these prominent firms will compensate for their progressive effort on your behalf.

PUBLISHER'S NOTE — We wish to thank all the advertisers for the gracious manner in which our representatives were received. To the householders, the business firms, we are also indebted for co-operation received in obtaining the information contained herein. It is our earnest hope that the Directory pleases everyone.

## B. C. DIRECTORIES

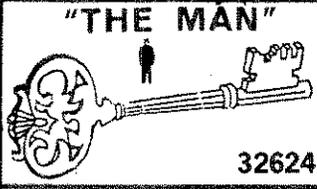
DIVISION OF R. L. POLK & CO. LTD.

PUBLISHERS

100 East 4th Avenue

Phone 879-5311

Vancouver, B.C., V5T 1G3



# Locksmithing Ltd.

TUBULAR LOCKS & KEYS — BURGLAR & FIRE ALARM SYSTEMS  
KEYS CUT BY CODE & RESIDENTIAL & COMMERCIAL



32624 South Fraser Way, Abbotsford, Clearbrook, P.O. Box 2185 - 853-7913

### CHARLES CT —FROM 31809 CONRAD AV NORTH

- 3060 Loewen Fred @ 853-6791
- 3061★Morphy James @ 853-8651
- 3068 No Return
- 3069 Ewert Peter J @ 853-5262
- 3076 No Return
- 3077 Storey Charles @ 859-1155
- 3086 Sloan Floyd @ 853-5172
- 3187 Braun Geo @ 859-9893

### CHARLOTTE AV —FROM 3090 PRINCESS ST WEST

- 31605 No Return
- 31613 Miller Albert @ 859-4924
- 31621 No Return
- 31629★Illner Norbert @ 853-7233
- 31636 No Return
- 31638 Middleton Terry 589-6635
- 31639 No Return
- 31646 Griffith Wayne M 853-5721
- 31649 Edwards Doreen M @ 859-4969
- 31656★Dick Saml @ 859-8953
- 31659★Sharp Lorne 853-7779
- ★Carding Eric @ 853-7779

- 31666 Craig Dale @ 853-4016
- 31667★Goertzen Frank @ 859-0454
- 31677 No Return
- 31678 Crozier Wm G @
- 31685 Munro Hugh K @ 853-8853
- 31688 Vacant
- 31695★Horvath P J @
- 31698 Cochran S 853-9356
- 31703 No Return
- 31706 Janzen Walter @ 859-7874
- ★Unger John H

- 31713 No Return
- 31714 Morgan Morley @ 853-0684
- 31721 Hoepfner Dave D @ 859-9675
- 31722 Frank Nicolaas J @ 853-8480
- 31729 Antifaef Tom @ 853-0832
- 31734 Graham M David @ 853-4241
- 31737 No Return
- 31745 Therien Dorothy @ 853-4225
- 31746 Griffiths Wayne @ 853-5721
- 31764 Clifford Harold @ 859-9638
- 31773 Wenig Elwood J @ 859-3044
- 31796 No Return
- 31800★Mac Eachern Howard @ 853-8400
- 31810★Quiring David @ 859-5465
- 31820★Kornelsen Gordon @ 859-9330
- 31830★Ethier Walter @ 853-6657
- 31840★Davis John @ 853-8382
- 31850★Schafer Andrew @ 853-0137
- 31860★Raap Henry @ 853-7068
- 31870 No Return
- 31880★Aubin Paul @ 859-1271
- 31890★Graydon John A
- 31900★Born Frank @ 859-1144
- 31910★Knuff Phil @ 853-6494
- 31920★Friesen Heinrich @ 853-2985
- 31930★Barnes Raymond J @ 853-9693
- 31940 No Return

### CHATEAU PL —FROM 32023 SHERWOOD CRES SOUTH THEN EAST

- 2119 Exley Ron @ 859-1628
- 2120 Borley Leonard 853-6312
- 2123 Dobson Albert 853-5166
- 2124 Toor Sukhdev @ 853-9565
- 2125 No Return
- 2128 Blakeburn Gary 853-2649
- 2129 Wedel David A @ 853-2114
- 2132 Penner Otto C 853-6768
- 2133 Dyck Jake P 853-1784
- 2134 Ketler Rudolf @ 853-6829
- 2135 Reimer Peter A 859-8254
- 2137 Pauls Peter 859-4041
- 2139 Wiebe Abe @ 859-8674
- 2140 Friesen Helen Mrs 853-4754
- 2159 Dhalla Sadrudin A 853-3269

### CHELSEA AV —FROM 2150 SANDALWOOD CRES WEST (NUMBERS REVERSED)

- 33256 Stuart Forbes A @ 859-9428
- 33257 Siska Julia @ 859-9421
- 33267 Stewart Barry L @ 853-3650
- 33277 Drew Wm A @ 859-4634

### CHERRY ST —FROM 33605 MARSHALL RD NORTH

- 2020 Trinity Lutheran Church 853-9227
  - 2045★Carriere L J 853-3431
  - 2054 Kuhar Saml W @ 853-2992
  - 2059 Hampel A @ 853-2077
- MAYFAIR AV INTERSECTS

### CHESTNUT ST —FROM 34661 OLD CLAYBURN RD NORTH

- 3222 Vanderveen Jess
  - 3223 Walker Doug @ 853-0933
  - 3231 No Return
  - 3232★Soathof Bruno @ 853-9317
  - 3246 Scott Ralph A @ 853-6397
  - 3256★Parlee Rod G 859-3073
  - 3267 Hicks L A @ 853-1469
  - 3268 No Return
  - 3279 Beaulieu Geo P @ 853-4698
  - 3282 No Return
  - 3291 Hunter Glen 859-9452
  - 3293 No Return
  - 3296★Lalumiere Donald E @ 859-4104
  - 34667 Starr Ramsbottom & Leskun chartered accts 853-9651
  - Starr Robt A @ 853-9651
- BEVERLEY CRES ENDS

### CHURCH ST FROM 32061 PEARDONVILLE RD NORTH

- 2424 Siemens Rudy @ 853-2919
- 2425 Zacharias John L Rev @ 853-1488
- 2432 Bergen Jacob J @ 859-4653

- 2435 Martin Donald @ 859-9190
- 2440 Bergen Edna @ 859-5172
- 2441 No Return
- 2448 Bergen Elias @ 853-1774
- 2449 Neufeld Jacob @ 859-5078

### CLARKE DR —FROM 33750 BUSBY RD NORTH

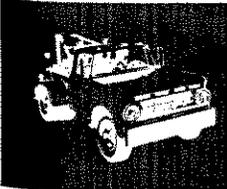
- 2282 Haines Douglas @ 853-9081
  - 2283 Hougen Alex I @ 853-2510
  - 2295 Patterson A @ 853-2009
  - 2298 Miller Margt L Mrs @ 853-2410
  - 2311 Webster Ferguson C @ 853-1726
  - 2314 Perry Elaine V Mrs @ 853-5631
  - 2319 Thiessen John I @ 853-2845
  - 2326 D'Andrea Albert @ 853-3657
  - 2327 Battistoni Cyril F @ 853-3124
  - 2335 Hoppe Edwin W @ 859-9958
  - 2336 Scott Thos @ 853-1424
  - 2346 No Return
  - 2347 Inman Richd B @ 853-1500
  - 2355 Harder Isaac G @ 859-5662
  - 2358 Hapiuk Nick @ 859-9014
  - 2369 Groothof E @ 859-9495
  - 2370 Kraft John G @ 859-8926
  - 2393 Pawlovich John P
- MC DOUGALL AV INTERSECTS

### CLAUDIA CT —FROM 31788 CONRAD AV NORTH

- 3058 Grant Marvin C @ 859-6178
- 3059 Vacant
- 3068 Crispin O M @ 853-7249
- 3069 Lochbaum Robt @ 853-5553
- 3078★Dearle Geo 859-0636
- 3079 Switzer Paul R @ 859-2562
- 3088 Jones Gerald @ 853-4649
- 3089 Fitzgibbon Thos M @ 853-4158

### CLEARBROOK RD —FROM 31943 KING RD NORTH

- 1630 Ollenberger Monty 853-7645
  - 1648 Full Gospel Bus Men's Fellowship (Abbotsford) 853-3125
  - Wiebe Wm @ 853-9632
  - 1694 Kleinfelder Eileen @ 853-9058
  - 1709 Hendricks Julius @ 859-8351
  - 1733★Friesen M G 853-1218
  - 1736 No Return
  - 1745 Peters Larry @ 859-8148
  - 1762★Hardless H
  - 1772 Stewart Gary 853-7844
  - 1789 H & H Trailer Sales & Rentals Ltd 853-0701
  - Hildebrandt Henry J @ 853-0701
  - 1794 Vacant
- NOT OPENED THROUGH
- 1806 O'Brien David L @ 859-5327
  - 1822 No Return
  - 1834 Bergen Katharina Mrs 859-4002
  - 1858 Matties Henry @ 859-4434
- MARSHALL RD RECOMMENCES  
JOYCE AV BEGINS
- 2073 Country Inns 859-3114



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**CLEARBROOK RD—Contd**

Herby's Restaurant 859-3810  
 2095 Mc Causland Consulting Services Ltd  
 poultry consulting 853-0754  
 Agripharm Supplier Ltd 859-2714  
**SHERWOOD CRES ENDS**  
 2104 Reimer M 853-3437  
 2112 Johnson Garry A @ 859-7473  
 2121 Renpenning David @ 859-4272  
 2122 Mangelsen Fred @ 859-1847  
 2132 Itcush Pearl @ 859-4557  
 2139 Matsqui Electronics Alarm  
 Components Inc 859-7466  
 General Auto Parts & Machine  
 853-8631  
 Lark Motors Limited 853-2304  
 2156 No Return  
 2166\***Koop Peter** 853-0102  
**SHERWOOD CRES BEGINS**  
 2182 Rempel Geo J @ 859-9780  
 2194 Cassidy G W @ 853-4239  
 2197 Clearbrook Marine Ltd 859-6771  
**MELMAR ST BEGINS**  
 2211 Glenwood Manor  
 101 Matties Agnes 853-0572  
 102\***Cornelson T W**  
 103 Fast M 853-1925  
 104 Stroyan Phillip B 859-6281  
 105\***Fischer V** 853-7184  
 106\***Dick H**  
 107 Carter H 853-6704  
 108 Windover R Earl @ 853-5239  
 109 Bursner Erna Mrs @ 853-7678  
 110 Ostrus G @  
 111 Neuman E 859-9039  
 112 Derksen F J 853-1866  
 113 Schmidt L  
 114 Burns Geo @ 859-8672  
 115 Warkentin J @ 859-5148  
 116 Regehr A @  
 201 Loewen W  
 202 Thiessen J H 853-9731  
 203 Ince E A 853-7257  
 204 Vacant  
 205 Stahl K 859-7335  
 206\***Krause Abe J** 853-6943  
 207 Allen D  
 208 Peters A 853-9706  
 209\***Loewen J M** 859-5081  
 210 Isaak M 853-8037  
 211 Braun Henry J 859-9216  
 212\***Mottishaw L** 859-6176  
 213 Isaak A D  
 214 Janzen M 859-5630  
 215\***Felch Ernest E** 853-9734  
 216 Dirks T  
 301 Andres Peter H @ 853-6306  
 302\***Wiebe J J** 859-3009  
 303\***Neufeldt A J**  
 304 Loewen P  
 305 Dokimenko P 859-6266  
 306 Stangeland Ole M 859-7526  
 307 Kaethler M  
 308 Friesen Nick N Rev 853-0338  
 309 Ries Anna Mrs 859-8881  
 310 Bittner R @ 853-6670  
 311 Janzen Lena F 853-6268  
 312 Funk Jake D 859-9305  
 313 Neufeld F Mrs 859-1650  
 314 Wiebe Paul J @ 853-3092

315 Isaac Leona 853-0853  
 316 Bruner Robt A @ 859-4366  
 2231\***Wallace David** 859-5060  
 2238 Hassall Sidney S @ 853-0543  
 2245 Pratt E E @ 859-9201  
 2248 Vacant  
 2258 Vacant  
 2268\***Nagy S** 859-0998  
 2276 Wilson I 859-5488  
 2285 Bakerview Mennonite Brethren  
 Church 859-4611  
**OAK AV ENDS**  
 2311 Friesen Roy 859-2468  
 2328\***Dolan R M** 853-9190  
 2331 Edgar Brian B 859-6579  
 2339 O'Brien Michl S @ 859-9366  
**FIR AV BEGINS**  
 2349 Dyck A 853-4302  
 2359 No Return  
 2360 Wiens John J @ 859-7372  
 2369 Smith Fern D Mrs 853-4301  
 2372\***Chariton Kirk** 853-8696  
 2377\***Pieguth C H** @ 853-7483  
**PEARDFORDVILLE RD INTERSECTS**  
 2411 Fern's Beauty Nook 859-4914  
 2418 Mac's Convenience Store 853-7626  
 2420 International Books Records &  
 Giftwares 859-3246  
 2421 Enns Geo @ 853-2190  
 2430 Penner Katie @ 859-5005  
 2431 Berry Forrest A 859-6339  
**SUNRISE CRES BEGINS**  
 2440 Krahn M @ 859-8174  
 2448 Three D Cycles The Honda 859-4732  
 2455\***Sjolie Kevin**  
**PINEVIEW AV BEGINS**  
 2464 Offices  
 101 Guilford Industries Ltd 853-0747  
 102 Pat & Lou's Hair Design 853-5388  
 103 Vacant  
 201 Robertson Becker Balakshin &  
 Downe 859-7161  
 202 Loewen Healey & Co 853-6742  
 203 Mill Donald H consulting civil  
 engs 859-2435  
 2467\***Deshais Roger** 859-0783  
 2486 No Return  
 2487 Friesen David A @ 853-2305  
**SUNRISE CRES ENDS**  
 2494 Golden Age Society 853-5532  
 Clearbrook Handicraft Souvenir &  
 Gift Shop 853-5532  
 Sunset Travel Service 853-5532  
 Clearbrook Community Services  
 853-5616  
 2497 Hildebrand M @ 859-4162  
 2500 Bhagat Enterprises 853-4312  
 2502 Busy Bee Cleaners 853-7061  
 2506 Toews Sewing Centre 853-1646  
 Toews Music Centre 859-1801  
 2516 Tru Fit Shoes Ltd 859-9914  
 \***Shore Ted** 853-5335  
 2516a Otano Mike  
 2516b Cooper E  
**HILLCREST AV BEGINS**  
 2532\***Roulston A** 859-6258  
 2540\***Borman Edw** @ 853-7246  
 2548 Wiebe K P & Co 853-4844  
 Linley Dignan Wattie & Brown  
 859-7134

Bank Of Nova Scotia The 853-7485  
 2564 Clearbrook Waterworks District  
 859-8173  
 2566 Bernhard's Hair Styling 859-5625  
**CEDAR LANE BEGINS**  
 2580 Funk's Supermarket 853-9155  
**SOUTH FRASER WAY INTERSECTS**

2336\***Leach W D** @ 853-2964  
 2611 Clearbrook Laundromat 853-7251  
 2613 Vic's Barber Shop 859-5440  
 2615 Plaza Pro Hardware Ltd 859-5612  
 2627 Auld Phillips Store 853-7145  
 2631 Canadian Imperial Bank Of  
 Commerce 853-3344  
 2639 G & H Shop And Save 853-2310  
 2672 No Return  
**DUECK CRES INTERSECTS**  
 2682 No Return  
 2694 Vacant

**NOBLE AV BEGINS**  
 2704 Hunter Irene @ 859-6639  
 2716 Toews Dick F @ 859-4364  
 2719 Clearbrook Mennonite Brethren  
 Church 859-4144  
 2728 Bonn Janice L 853-2623  
 2736 Manns Wilbur A @ 853-7355  
**OLD YALE RD INTERSECTS**  
 2758 Gyuricza E 853-1066  
 2770 Neufeld Menno L mus tchr @  
 859-5388  
 Neufeld Walter R mus tchr @  
 859-5388

2780 Boyer Arth J @ 853-5604  
 2781 Mennonite Educational Institute  
 859-9762

2794 Derksen John J @ 853-2402  
**MT WADDINGTON AV BEGINS**  
 2808 No Return  
 Hilsen Harry @ 859-5534

2816 No Return  
 2826 Vacant  
 2834 Hodel Olga @ 859-7042  
 2836 Toews Arth 859-1483  
 2844 Driedger David F @ 853-5237  
**TIMS CRES BEGINS**

2855 Apartments  
 1 No Return  
 2 Melnik M J 853-8715  
 3 Vacant  
 4\***Heppler S** 859-7820

**HOPEDALE AV ENDS**  
 2873\***Gass Ron** @ 859-2235  
 2882 Teigrob Ed 853-0461  
 2885 De Buhr H @ 853-8232  
 2895 Niessen E @ 853-2980

**DAHLSTROM AV BEGINS**  
 2905\***Townsend Clifford** 853-9053  
 2915 Braun David J @ 859-7362  
 2929\***Friesen Rudolf** @ 859-2575  
 2939\***Seen Jacob** @ 859-0690  
 2940 Columbia Bible Institute sch 853-3358  
 B C Conference Of Mennonite  
 Brethren Churches 853-3358  
 2944 Dorm Of Columbia Bible Institute  
 2949 Loewen E @ 853-6647  
 2960 No Return  
 2972 Vacant  
 2985 Kamper John @

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CLEARBROOK RD—Contd  
 2992 No Return  
 CORAL AV INTERSECTS  
 3015 Unruh John W @ 859-9301  
 3026 Chorm Louis @ 859-8330  
 3027 Koop Bernard @ 859-3923  
 3035 Rosewood Manor  
 101\*Beetstra A 853-1541  
 103\*Nisbet N 853-5792  
 104\*Visser M  
 201\*Windover E  
 3065 Apartments  
 101\*Mc Kimmon B 859-0727  
 102\*Fontaine Ray 853-4134  
 103\*Corbett E T  
 104\*Russell Andy  
 105\*Adams N A 859-3623  
 106\*Janowski D 853-9629  
 107 Vacant  
 108\*Payne Koddy H  
 109\*Nash M 853-4659  
 111 Whitaker  
 112\*Kotiuk Glen  
 113 Vacant  
 114\*Warkentin G  
 115 Brient T 853-1566  
 116\*Delpport R 859-4817  
 117 Woods K B 853-0517  
 118 Reimer H W 859-9000  
 119\*Dainsby K  
 201\*Reid D 859-9560  
 202 Vacant  
 203\*Sudomlak Nick 859-2075  
 204\*Mackie A 853-3394  
 205\*Marcellus E 859-6487  
 206\*Scott Brad 853-0630  
 207\*Rempel K 859-6667  
 208\*Alton E O 859-3159  
 209\*Bowyer D 859-1820  
 210\*Howarth K 853-5316  
 211 Klassen  
 212 Mc Gregor Al 853-5259  
 213\*Reimer A 853-2183  
 214\*Guillemaud J 859-7482  
 215\*Loewen B  
 216\*Tillotson Charlie 859-6750  
 217\*Yeo Barry  
 218\*Webster J 859-2094  
 219\*Bayne P  
 301\*Anderson C 853-6484  
 302\*Mc Gowan M 859-6826  
 303 Friesen Sue 859-2014  
 304 Fulwiler Kenneth 853-4095  
 305\*Funk M  
 306 Laseur Arnold J 859-6517  
 307 Shore D A 859-6304  
 308 Moritz Paul 853-1737  
 309\*Unruh Ben 853-7775  
 310\*Epp Henry 859-0355  
 311\*Smith D 853-1995  
 312 Siddle Graham 853-6141  
 313\*Staicue J  
 314\*Jenken F  
 315\*Hardie J M 853-9229  
 316\*Lyons D 859-0607  
 317\*Bates Dale 853-0292  
 318\*Whereat A 853-2250  
 319\*Alden R 859-1514  
 3106 Clearbrook Arena 853-1920  
 CHARLOTTE AV INTERSECTS

3133 Banas Robt @ 859-4038  
 3143 Rempel D C @ 859-5330  
 3154 Murphy C D  
 3216 No Return  
 3222 No Return  
 3223 Under Constn  
 3230 No Return  
 3244\*Johnston Edw F @ 859-8644  
 3252\*Rofet Colin @ 859-8425  
 3262 Vacant  
 3279\*Doerksen Abe G @ 859-5301  
 3313 Under Constn  
 3331 Under Constn  
 3339 Under Constn

CLEARVIEW CRES —FROM MONTE  
 VISTA AV EAST

SUNNYSIDE ST BEGINS  
 31563 No Return  
 31564 Fast A @ 853-5704  
 31567 Bergen Peter @ 853-0402  
 31570 No Return  
 31571 Care Construction brklyng contr  
 859-7907  
 Montler John @ 859-7907  
 31573 Loewen Peter @ 853-3173  
 31575 Bogle Frank @ 859-9215  
 31585 No Return  
 31595 Krahn Peter @ 853-7388  
 31606 Johns H V @ 853-0809

COMMERCIAL ST —FROM 32671  
 ROSSLAND AV NORTH

2629 Ace Hydraulics mach shop 859-4442  
 2649 Hambley J J Hatcheries (B C) Ltd  
 853-6421  
 2669 Vacant  
 SOUTH FRASER WAY INTERSECTS

CONRAD AV —FROM 2900 BLK  
 PRINCESS ST EAST

31788 Eddy Wayne @ 859-9605  
 31789 Goerz Aaron @ 859-5319  
 31798 Janzen Wm @ 859-9012  
 31805 Langell M 859-9313  
 31808 Enns Jake @ 859-6974  
 CHARLES CT ENDS  
 31818 Gifford Allan @ 853-6868  
 31831 Fast Elmer I @ 859-6366  
 31844 Gibson Simon J @ 853-1746  
 31849\*Zurowski John @ 859-0670  
 CLAUDIA CT ENDS  
 31856 No Return  
 31868 Benson John M @ 853-0512  
 31875 Rahn Jacob P @ 853-6014  
 31882 Preston Norman A @ 853-5679  
 31894 Burgess Robt B @ 853-8908  
 31895 Karans Joseph F @ 853-0631  
 CARLA CT ENDS  
 31904 Mc Kay Desmond A @ 853-0459  
 31918 Reddicopp A @ 859-8288  
 31928 Thompson Fred @ 859-9987  
 31937 Valley Two Way Radio  
 Neufeld Donald @ 853-8657

ROYAL ST INTERSECTS

CONSORT CT

3139\*Deveer H @ 859-6479  
 3140\*Swinton Richd @ 859-8183  
 3149 Vacant  
 3150\*Goertzen Henry 859-4670  
 3159 Under Constn  
 3160\*Rushton David @ 859-4567  
 3169 No Return  
 3170 Under Constn  
 Vacant  
 3174 Under Constn  
 3175 Under Constn  
 3180 Under Constn

CONWAY PL —FROM 33485 HUGGINS  
 AV SOUTHEAST

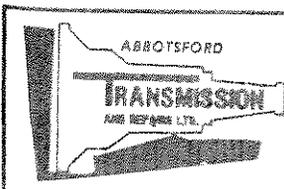
33452 Bailam Raymond F @ 859-4077  
 33456 Edmondson Thos @ 859-5350  
 33460 Young Charles T @ 853-2341  
 33464 Chiang Jia-Ling  
 33468 Knipstrom Robt @ 859-1479  
 33472 Lupuliak Geo @ 853-5253  
 33476 Vinet J Paul @ 859-9220

CORAL AV —FROM 3000 BLK  
 PRINCESS ST EAST

31796\*Dueck Willy @ 853-0270  
 31797 Laslop Joseph @ 859-8967  
 31806 No Return  
 31807\*Geleta Peter G @ 853-6713  
 31816 No Return  
 31830 Loeppky David B @ 859-1523  
 31831\*Black R F @ 853-5059  
 31843 Lewis Charles @ 859-8527  
 31844 Jahrig Gunter @ 853-6976  
 31854 Vacant  
 31857\*Dannes Ortwin @ 859-8043  
 31867\*Mc Nabb John D 859-7438  
 31868 Braun Heinz @ 853-5817  
 CASTLE CT BEGINS  
 31877 Penner A @ 859-8625  
 31187 Schellenberg Wesley @ 853-6588  
 31907 Stachiw Edw @ 853-6753  
 31916 Pauls David @ 853-2602  
 31917 Gerty Brian @ 859-3426  
 31927 Suderman Henry J @ 859-5849  
 31928 No Return  
 31940 Brandon P M @  
 ROYAL ST INTERSECTS  
 CLEARBROOK RD INTERSECTS

CORDOVA AV —FROM 1900 BLK  
 ALBION ST WEST

32244 Rempel Dietrich @ 853-8932  
 Rempel Steph  
 32245 Tessaro Joe  
 32255\*Thind Mohinder S 859-2403  
 32265\*Viesulas Bruce N @ 859-2982  
 32275 Rogers Michl B 853-1954  
 32285\*Emann Otto @ 853-7409



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## VICTORIA ST —FROM 31872 UNION AV NORTH

2554\*Trask Philip R @ 859-0766  
2570 No Return  
2577 Reinke Rudolph F @ 859-4037  
2620 No Return  
2621 Chace Joseph  
2630 Plett Frank @ 859-2005  
2631\*Mochofski Joseph @ 859-0315  
2640 Peters Franz A @ 853-1769  
2641 Banas J @ 859-2790  
2650 No Return  
2651 Schmidt Kathie  
2660 Enns John H @ 853-2549  
2661 Moroz Henry @ 859-1891  
2670 Friesen Jacob J @ 859-9104  
2671 Dvck E @ 859-3158  
2680 Kettle Robt L @ 853-5167  
2681 No Return  
2690 Sawatzky Henry J @ 859-9043  
2691 Enns Cornelius C @ 853-2644  
2702 Schmidt K @ 853-3055  
2703 Giesbrecht Geo @ 853-0012  
2712 Derksen Julius J @ 859-9051  
2713 Goetz Gerhard @  
2723 Streber Geo 853-7668  
2730 Froese Jacob @ 859-7856  
OLD YALE RD INTERSECTS  
2771 Hooge Peter P @ 859-4491  
2776 Funk Henry G @ 853-1470  
2779 West Marie @  
2789 Janzen H @ 853-3943  
2790 Bahman Peter J @ 859-8261  
2799 No Return  
2802 Giesbrecht David @ 853-0382  
2809 Taekema John @ 859-4257  
2815 No Return  
2823 No Return  
2831 No Return  
2840 Vacant  
2841 Vacant

COUNTESS CRES BEGINS  
2851 Warkentin Dan 859-9352  
2861 Ashdown Clarence V @ 853-8673  
2871 Rempel T @ 859-5021  
HOPEDALE AV BEGINS  
2886 No Return  
2889 Block D J 859-5720  
2894 Smith Angus @ 859-6637  
2895 Baerg Isaac M 853-2023  
2902 Rempel Gerhard 853-7959  
2905 No Return  
2912 Schellenberg Peter @ 853-8662  
2915 Falk Werner @ 853-3417  
2922 No Return  
2925 Funk Frank @ 853-5349  
2940 Orth Aug E @ 853-5109  
CARLSRUE AV INTERSECTS

## VICTORY BLVD —FROM 2205 LOBBAN RD EAST

33806 No Return  
MOULSTADE RD BEGINS  
33810 Johnson Kjartan @  
33812 No Return  
33814 Coombs Robt @ 859-5061

33816 Edwards L Eldon @ 859-3965  
33819 Shore Jean I Mrs @ 853-2590  
33824 Lewis Stanley @ 859-5463  
33834 Martins Phillip H 859-8761  
33841 Peterson Gordon H @ 859-8064  
33844 No Return  
33854\*Dewar James A @ 859-0789  
33855 Akins Russell R @ 859-5827  
33863 Harvey J A @ 853-6571  
33866 Deines Robt A @ 853-9548  
33873 Martin Andrew @ 859-8973  
TAYLOR WAY BEGINS  
33876 Swartz Juel F @ 853-5265  
33886 Kirkwood Doug R @ 859-3730  
33897 Smith Paul B @ 859-5901  
33898 Davidson W Warren @ 859-6317  
33906 Lay S J @  
33911 Hrusoczy Valentine Mrs @ 853-2495  
33916 Deas Allan M @ 859-9910  
33919 Franzen Henry @ 859-5514  
33927 Csuti Louis J @ 859-5649  
33934 Raglan Edgar A @ 853-2578  
GRANT CRES ENDS  
33937 Lathrop Glenn E @ 853-9528  
33947 Dodd Greg 853-1337  
33954 Caul Laurence L @ 859-4215  
33959 No Return  
33969 Pongracz Frank @ 859-5372  
33970 Siebenga John D 859-1431  
33977 Kleiminger M @ 859-5004  
MC KENZIE RD INTERSECTS  
33987\*Boersma Peter 853-4152

## VIEW GROVE PL

1874 Penner Cornelius H @ 859-8738  
Penner Louis P 859-8738

## VINEWOOD ST —FROM 33245 MARSHALL RD NORTH

2018 Solberg Jim 859-7261  
2021 Sandstrom Hugo V @ 853-1739  
2029 Rempel John @ 859-6415  
2030 Holt Wm J @ 853-5272  
2040 Campbell Don 859-1932  
2041 Esselink Bert @ 859-8623  
2051 No Return  
2052 Garrett Olive Mrs @ 853-5288  
2062 Cochrane Gordon F @ 859-5717  
2071 Olson Edwin W @  
2072 No Return  
2079 Hada Joseph @ 859-5065  
2097\*Johnson C L 859-2429  
2082 Yanko Steven P @ 853-1359  
2085 No Return  
MAYFAIR AV BEGINS  
2108 Carson John S @ 853-2180  
2109 Fail Norman @ 859-8863  
2121 No Return  
2124 Jones D @ 859-4253  
2131 Dafeo Wm @ 853-2904  
2136 Olson G @ 859-1658  
2143 Timar John @ 859-4014  
2148 Valley Aluminum  
Smorenburg Wayne @ 853-1250  
2153 Renner Dennison L @ 859-4226  
2158 Mantler Mary @ 859-9738

2170 No Return  
2172 No Return  
2180 Vacant  
2182 Vacant  
2185 Johansen John P @ 853-2990  
2190 Yamasaki Tsuneo 853-9062  
2192 Anderson Peter 853-7370  
WARE ST INTERSECTS

## WALDEN ST —FROM 34500 BLK DONLYN AV NORTH

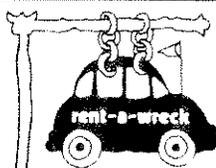
3525\*Plecas Darryl 859-9395  
3537 Penner Robt L @ 853-1398  
3547 No Return  
HURST CRES BEGINS  
3559 Bos Charles R @ 853-3648  
3569 No Return  
3572 No Return  
3579 Flintoff Ronald E @ 859-6934  
3584\*Pollard Dan S @ 859-3038  
3589 Whittaker Kevin 853-9240  
3596 No Return

## WALKER CRES —FROM 34600 BLK MARSHALL RD SOUTH

34670 Strainton B M @ 859-8331  
SKYLINE DR BEGINS  
34691 Wheeler Mabel L Mrs @ 853-0197  
34694\*Garrett David J 853-3263  
34709 Paul J D @ 853-2385  
34714 No Return  
34729 Funk Melvin C @ 853-6269  
34734 Walker Harry C @ 859-8982  
34746 No Return  
34752 Klippenstein Harry @ 859-9639  
34756\*Emery Ron F @ 853-7106  
MARSHALL RD INTERSECTS

## WALNUT ST —FROM 2722 GLADYS AV EAST

ABBOTSFORD-MISSION HWY BEGINS  
33874 No Return  
33887 No Return  
MC CRIMMON DR BEGINS  
33902 Berry G @ 859-5363  
33904 No Return  
33907 No Return  
33919 Allinott Albert I @ 859-5557  
33945 No Return  
MAPLE AV INTERSECTS  
33986 Powers E A @ 853-5098  
33988 Domke Joseph @ 859-5050  
33993 Duffus Alison 853-0908  
PRATT CRES BEGINS  
CAMBRIDGE ST BEGINS  
34115 Sontag L A 863-9085  
WOODLAND ST BEGINS  
34161 Chausse Wm H @ 859-4093  
34171 Kleiv Knut B @ 859-5776  
34181 Flavell M 859-6162  
Mann Joseph 859-6162  
ASH ST INTERSECTS  
GREEN BLVD BEGINS

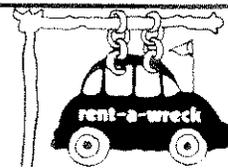


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## ABBOTSFORD-CLEARBROOK DIRECTORY

An Alphabetical Directory of Business Concerns and Residents

### PUBLISHED IN TWO EDITIONS

THE HOME SUPPLEMENT EDITION containing the following departments:

1. The Classified Buyers' Guide contains the advertising and listings of the participating business firms and professional people.
2. The alphabetical listings of residents indicating occupation, marital status, address and telephone number. Included also are business concerns with indication of owners, managers or executives.

THE COMPLETE BUSINESS EDITION containing the following in addition to the two departments contained in the HOME SUPPLEMENT EDITION as listed above:

1. THE STREET GUIDE lists all residences and businesses by street address. Special features are the designation of owner occupied homes, telephone numbers, new householder symbol plus the Postal Code Directory.
2. A NUMERICAL PHONE INDEX. Listing all existing phone numbers numerically, with names of individuals residing at location of telephone.

### PUBLICATION SUMMARY

BUSINESS LISTINGS	2,564
HOUSEHOLD LISTINGS	20,072
RESIDER LISTINGS	6,524
TOTAL LISTINGS	29,160
TOTAL NEW OR UPDATED LISTINGS	13,151

IMPORTANT TO ALL RESIDENTS — This Directory was made possible through the splendid co-operation of those business firms of this area whose advertisements appear in it, thus your patronage of these prominent firms will compensate for their progressive effort on your behalf.

PUBLISHER'S NOTE — We wish to thank all the advertisers for the gracious manner in which our representatives were received. To the householders, the business firms, we are also indebted for co-operation received in obtaining the information contained herein. It is our earnest hope that the Directory pleases everyone.

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ABBOTSFORD, B.C. V2S 4N2

### ● HOMEOWNER

22

#### 28 CLARKE DR -FROM 33750 BUSBY RD NORTH

- 2282 Bruinsma Edmund W @ 854-6182
- 2283 Deslauriers Emerson @ 859-5860
- 2296 Patterson Albert H @ 853-2009
- 2298 Miller Margt @ 853-2410
- 2311 Webster Scott F @ 852-4960
- 2314 Patterson Gordon @ 853-5631
- 2319 Proudfoot Murray T @ 853-5156
- 2326\*Mac Donald Allan @ 850-1787
- 2327 Battistoni Cyril F @ 853-3124
- 2335 Jones Dan @ 853-1722
- 2336 Scott Joyce @ 853-1424
- 2346 No Return
- 2347 Timar Lisa @ 852-1823
- 2355 Scott Randall @ 853-7978
- 2358 Martel Mike D @ 859-9774
- 2369 Jones Bret @ 853-1975
- 2370 No Return
- 2393 Pawlovich John P @

MC DOUGALL AV INTERSECTS

#### 1 CLAUDIA CT -FROM 31788 CONRAD AV NORTH

- 3058 Sidhu Mukhtair Mrs @ 853-0889
- 3059 Waterfield Eric M @ 853-9698
- 3068 Crispin E Mrs @ 853-7249
- 3069 Lochbaum Robt @ 853-5553
- 3078 Kercher Randy @ 859-7545
- 3079\*Mondor Aldeo J @ 852-6137
- 3088 Coutus
- 3089 Mc Mann Everett @ 853-0897

#### 21 CLEARBROOK RD -FROM 31943 KING RD NORTH

- 1630 Vacant
- 1648 Dhaliwal Chamkaur S @ 859-2510
- 1681 Horizon Hatchery Ltd 853-8362
- 1694 No Return
- 1709 Hendricks Julius @ 859-2740
- 1733 Janzen Jacob 852-1578
- 1736 Born Frank 856-5916
- 1745 Peters Vern A @ 859-7594
- 1762 Stachiw Randy 859-1770
- 1772 No Return
- 1789 H & H Trailer Sales & Rentals Ltd 853-0701
- \*Hildebrandt John 854-3879
- 1794 Roger's Drive-Inn restr 859-2713
- FREEWAY OVERPASS
- 1806 Clearbrook Produce produce sls 852-6400
- 1822 Bricks-R-US pavingstone co 852-3768
- Ahern Mark R 852-3768
- 1834 No Return
- 1858\*Reddecopp Herbert 859-1042

#### MARSHALL RD RECOMMENCES JOYCE AV BEGINS

- 2073 Country Inn Motor Hotel 859-6211
- 2073a Ricky's Restaurant 859-6789
- 2096 Payless Gas 852-9372
- SHERWOOD CRES ENDS
- 2112 Johnson Garry A @ 859-7473
- 2121 Three D Honda Cycles 859-4732
- Dance In Motion 853-9404
- Abbotsford Four Square Gospel Church 854-3511
- 2122 Mangelsen Fred @ 859-1847
- 2132 Itcush P @ 859-4557

- 2139 Office Building Rooms
- 1 Glass World (A Division Of Clearbrook Glass Ltd) 859-0448
- 2 Motorola Ltd two way radio equip 852-0882
- 3 Auto-Mate Radiators 852-4522
- 4 Lark Motors (1981) Ltd 853-2304

2156 No Return

2166 Vacant

#### SHERWOOD CRES BEGINS

- 2181 Shell Gas Station 850-1150
- 2182 Wong Margo 852-3058
- 2194\*Fall Wes 850-5024
- MELMAR ST BEGINS
- 2211 Glenwood Manor
- 101\*Thiessen W 853-4108
- 102 Tessaro J 853-7803
- 103 Remple Isaac 859-2291
- 104 Houck H 859-0459
- 105 Fischer M 852-5648
- 106 Siemens T 859-2460
- 107 Carter H 853-6704
- 108 Pothescary J D' 853-4512
- 109 Bursner Erna Mrs @ 853-7678
- 110\*Stewart Robert 854-6715
- 111 Neuman Ernest J 859-9089
- 112\*Fast D
- 113\*Patterson P
- 114 Reedman L 850-1334
- 115\*Schabatsky David @ 850-2251
- 116 Bojck A 852-3960
- 201 Loewen W @ 853-0479
- 202 Loewen Peter 859-9095
- 203 Ince E A 853-7257
- 204 Stewart D 854-6448
- 205 Stahl K 859-7335
- 206 Krause J 859-3262
- 207\*Ginter C P 850-9082
- 208 Loewen L M 853-4034
- 209 Loewen S 859-5081
- 210 Enns Erika @ 859-6101
- 211\*Janzen W
- 212 Tucker J 859-6176
- 213 Neufeld M 854-5083
- 214 Toews M J 853-4524
- 215 Felch Ernest E 853-9734
- 216\*Seufert Herman 859-5650
- 301 Andres Ann V Mrs @ 853-6306
- 302 Wiebe J J 859-3009
- 303\*Nontell Allen 853-9273
- 304 Toews A 859-7160
- 305 Loepky D 852-8601
- 306 Stangeland Ole M 859-7526
- 307\*Barlow Shirley 853-6794
- 308 Friesen Nick N 853-0838
- 309\*Campbell N
- 310 Masse J 853-0422
- 311 Janzen Lena 853-6268
- 312 Brooman Roy S 859-3462
- 313 Neufeld F 859-1650
- 314\*Cole T
- 315 Enns Tina @ 859-3145
- 316 Bruner Mabel @ 850-4366

- 2231 Leonhardt Dennis E 859-8187
- 2236 No Return
- 2245 No Return
- 2248 No Return
- 2258 Katerelos G @ 852-5193
- 2268 Negrin Eugene B
- 2276 Bonar Dale A 852-9576
- 2285 Bakerview Mennonite Brethren Church 859-4611

- OAK AV ENDS
- 2310 Woodlawn Funeral Home 853-2643
- 2326 Clearbrook Cycles Ltd 853-8821
- FIR AV BEGINS

- 2349 No Return
- 2359 Quyen Tailors 852-2496
- 2360\*Mc Lueen Scott 850-9294
- 2369 No Return
- 2372 Lally Mohan 859-0363
- 2377\*Bouchgard M V @ 852-6734
- PEARDONVILLE RD INTERSECTS
- 2411 Beauty Nook 859-4914
- 2418 Mac's Convenience Store 853-7626
- 2420 Alphorn Restaurant 852-1563
- 2421 Transamerica Occidental Life life ins agcy 859-2334

2431 Lee's Fine Jewellery Ltd 853-9192

#### SUNRISE CRES BEGINS

- 2434 Clearbrook Realty Ltd 853-2277
- Haraldsen Ken barr 853-5401
- Kuzminski L M barr 853-5401
- 2448 Valley Sound Odyssey stereo equip 850-0657
- B C Cellular cellular phones & equip
- 2451 Office Building Rooms
- 101 O'Sullivan Sally notary public 859-6262
- 102 Asian Microsystems Inc 852-7323
- 103 Pen Mar Appraisals (1986) Ltd 852-6755
- 200 Western Propeller (Pacific) Ltd aircraft propellers 853-8704
- 202 Wiebe K P & Co certified genl accts 853-4844
- 204 Mic Motivation Inst

#### PINEVIEW AV BEGINS

- 2464 Office Building Rooms
- 101 Mutual Group The 854-6959
- 103 Heritage Alliance Church 850-5031
- 201 Goddard Larry W barr & solr 853-3535
- 202 British Columbia Conference Of M B Churches 853-6959
- 203 Board Room
- 204 B C Raspberry Growers Association 853-1312

2467 Loewen Nick 852-2854

#### SUNRISE CRES ENDS

- 2488 Royal Fashions 852-9375
- Shingaar House 852-5639
- 2494 Bhagat Enterprises grocery 853-4312
- 2497\*Wall Harry 850-6820
- 2500 Banwait Fine Fashions fabric store 854-6213
- 2502 Busy Bee One Hour Cleaners 853-7061
- 2506 Toews Sewing Department 859-1801
- Toews Musical & Stereo Supplies Ltd 859-1801
- 2516 No Return
- 2516a No Return
- 2516b No Return
- 2518 Avtar Food 832-8367
- Desshmesh Cloth House Ltd fabric sales 853-7760

#### HILLCREST AV BEGINS

- 2532 Glen B A @ 859-1805
- 2540 Carlisle John E 850-0842
- 2548 Linley Duignan 859-7134
- Bank Of Nova Scotia The 853-7485

#### CEDAR LANE BEGINS

- 2564 Clearbrook Waterworks District 850-6621
- 2566 Bernhard's Hair Styling 859-5525
- 2570 Clearbrook Decorating Centre 853-6909
- 2580 Funk's Supermarket 853-9155

#### SOUTH FRASER WAY INTERSECTS

2

13



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ABBOTSFORD

**VICTORY BLVD--Contd**

- 33834 Dyck Victor @ 859-7779
- 33841 Peterson Gordon H @ 859-8064
- 33844 Wiebe Earl @ 852-5977
- 33854\*Blohm Jerry @ 853-3458
- 33855 Akins Russell R @ 859-5827
- 33863 Harvey M E @ 853-6571
- 33866\*Ritter Monique @
- 33873 Loewen M @ 852-2161
- TAYLOR WAY BEGINS
- 33876 Ward Charlene 852-8342
- 33886 Cedroff Jorie 852-6073
- 33897 Melan Jonas H @ 853-7740
- 33898 Vacant
- 33906 Maher Ken 852-5663
- 33911\*Goyette Robert N 852-8450
- 33916 Mc Quiggin C A @ 854-1462
- 33919 Bassani Joseph @
- 33927 Csuti Louis J @ 859-5649
- 33934 Raglan Edgar A @ 853-2578
- GRANT CRES ENDS
- 33937\*Plowright C J @ 853-6036
- 33947 No Return
- 33954\*Chalk Tuan @ 859-3927
- 33959 Fenner Geo @ 853-5557
- 33969\*Breukelman S @ 859-2906
- 33970 No Return
- 33977 Kosub Thomas A @ 859-5732
- 33987\*Briggs Mark @ 853-3037
- MC KENZIE RD INTERSECTS

- 2041 Ramsay Jamey B @ 854-6403
- 2051 Peck Geo @ 852-5803
- 2052 Simpson L @ 852-3923
- 2062 Ferraro C 859-2523
- 2071 Mc Afee Tom @
- 2072 No Return
- 2079 Dykstra Steve @ 853-6796
- 2082 Yanko Steven P @ 853-1359
- 2085\*Brown Ernest I 853-2092
- 2097 Sudomiak Nick @ 859-2075
- MAYFAIR AV BEGINS
- 2108 Carson John S @ 853-2180
- 2109 Fall Norman @ 859-8863
- 2121 Suto Edw @ 853-2363
- 2124\*Bruntlett C W 859-9664
- 2131 Heaps Garth A @ 852-8919
- 2136 Peters Jack W @
- 2143 Timar Elsie I Mrs @ 859-4014
- 2148 Smorenburg Wayne @ 853-3912
- 2153 Renner Dennison L @ 859-4226
- 2158 Ritchie Keith E @ 853-7821
- 2170 No Return
- 2172 Joseph Louise 852-4985
- 2180 Rikley Nellie 852-2873
- 2182 Vo Liem 850-0829
- 2185 Johansen John P @ 853-2990

- 3624 Renault Mark C @ 859-7226
- 3627 Saari Ron 850-0719
- 3631 Aubertin Dennis 850-0710
- 3632 Sibley Dave D @ 853-8291
- 3636 Spier Elly

**WALKER CRES -FROM 34600 BLK  
MARSHALL RD SOUTH**

- 34650\*Brown G 853-8709
- 34660 Nelson Gary C @ 859-2073
- 34661 Scarff Wm K @ 853-5762
- 34670 Stralton B M @ 859-8331
- 34671 Tamas Wendy K Mrs  
\*Tamas John @ 850-6998
- SKYLINE DR BEGINS
- 34691 Paul Randy K @ 859-1131
- 34694 Garrett David J @ 853-3263
- 34709 Paul Jim D @ 853-2385
- 34714 Hooge Jake @ 859-9035
- 34729 Conley M M @ 852-1802
- 34734 Walker A P @ 859-8982
- 34746\*Leonhard Glenn @ 853-9417
- 34750 Pincott Keith @ 859-7836
- 34752\*Rawlyck Peter 859-5582
- 34753 Funk Melvin C @ 853-6269
- 34756 Emery Ron F @ 853-7106
- MARSHALL RD INTERSECTS

**VIEW GROVE PL -FROM 35060  
PANORAMA DR SOUTH**

- 1873 Adrian Ken @ 859-5597
- 1874 Penner Cornelius H @ 859-8738
- 1883 Harper Bruce @ 853-6093
- 1884\*Peake Desmond @ 852-7184
- 1893 No Return
- 1894 Koch Karl H @ 852-3986

**VYE RD WEST -FROM MC CALLUM  
RD EAST**

- 33660 Wight Maya K 854-5785
- 33711 Kenrich Farms egg farm 859-4973
- 33736 Willems Jack G @ 853-2486
- 33788 Bird John @ 852-8176
- 33820 Wiebe Henry 859-8518
- 33833 Kempel Warren D @ 853-5245
- 33848 Martens Orlando A @ 859-9393
- 33990 Pfenniger Frank @ 859-7258
- MC KENZIE RD INTERSECTS
- 34314 Capt'n Crunch Auto Wrecking Ltd  
853-3074
- 34345 B C Govt Ministry Of The  
Environment 852-5388
- 34374 Riverside Automotive Ltd 852-1970
- RIVERSIDE RD INTERSECTS
- 34421 A J Transport Ltd 852-0541
- G S Industries 850-2541
- 34511 Central Valley Farm Equipment Ltd  
859-9273
- 34601 Big O Inc pipe 850-0753
- 34614 Foster Lumber Co Ltd 852-9033
- 34624 Chevron Commercial Cardlock  
854-6299
- 34633 Mainland Ford Equipment Sales Ltd  
853-9474
- 34765 Balladier Kennels 859-9111

**VILLAGE GLENN -FROM 2234  
MOUNTAIN DR SOUTH WEST**

- 2236 Cornies Bill J 854-3137
- \*Bublitz M 853-9808
- 2238 Gulyas Andy
- 2240 Under Constr
- 2242 Nickel Elmer @ 850-2177
- \*Sheldon Bruce @ 852-6404
- 2244 Under Constr

**VILLAGE KNOLL -FROM 2230  
MOUNTAIN DR NORTHEAST**

- 36026 Crevier Edouard J @ 859-4349
- 36029\*Fletcher P A 853-3088
- 36036 Long Norman @ 852-1175
- 36039 Jelinski David @ 853-4945
- 36046 Jansen Don @ 852-3728
- 36049 Warawa Mark @ 852-7309
- 36056\*Jacobs Elroy 850-2800
- 36059 No Return
- 36066\*Hutsul Rock W 859-2784

**VINEWOOD ST -FROM 33245  
MARSHALL RD NORTH**

- 2018 Kirk Walter H @ 852-1918
- 2021 Sandstrom Hugo V @ 853-1739
- 2029 Bruynnckx Isabella @ 854-1587
- 2030 Duffield Graham C @ 859-6463
- 2040 Gazso Louis @ 853-7035

**WALNUT ST -FROM 2722 GLADYS  
AV EAST**

- ABBOTSFORD-MISSION HWY BEGINS
- 33874\*Hunter R 854-5066
- 33887 Embley Allen @ 859-2369
- 33997\*Sephens Jim 853-5780
- MC CRIMMON DR BEGINS
- 33902 No Return
- 33904 No Return
- 33907 Vacant
- 33919 Ward Nancy @
- 33945 Armstrong Alan S @ 859-2349
- MAPLE AV INTERSECTS
- 33986 Melody Music Services 853-5098
- Melody Custom Metal 853-5098
- Powers Ed @ 853-5098
- 33988 Vacant
- 33993 No Return
- PRATT CRES BEGINS
- CAMBRIDGE ST BEGINS
- 34115 No Return
- WOODLAND ST BEGINS
- 34161 Dykstra Atze @ 859-0823
- 34171 Kleiv K B @ 859-5776
- 34181 Flavell M R @ 859-6162
- ASH ST INTERSECTS
- GREEN BLVD BEGINS

**WALDEN ST -FROM 34500 BLK  
DONLYN AV NORTH**

- 3525 No Return
- 3537 No Return
- 3547 No Return
- HURST CRES BEGINS
- 3559\*Code D 859-1599
- 3569 Vacant
- 3572 No Return
- 3579 Vacant
- 3584 Stratton Trent @ 854-3888
- 3589 Howitt Danl W @ 852-2559
- 3596\*Madill L A 853-0030
- 3602 Pentz Eugene 852-2846
- 3605 Johnston Dennis R 859-5552
- 3614 Fraser Lon 853-8575
- 3617 Dyck Robt V @ 853-5463

**WALSH AV -FROM 2593 WARE ST  
EAST**

- 33228 Vacant
- 33233 Bavaria Restaurant 859-3154
- 33233b Valley Instant Press 859-3766
- 33233c Jack's Hog Spot 854-8350
- 33236 Man Locksmithing Ltd The 853-7913
- 33241 No Return
- ALLIANCE ST INTERSECTS

**WARE ST -FROM 33218 MARSHALL  
NORTH**

- 2010\*Brerston David @ 853-6064

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# 2000 ABBOTSFORD BRITISH COLUMBIA POLK CITY DIRECTORY

Published Since 1970

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*Communities that appear all or in part in this Polk City Directory:*

Abbotsford

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Telephone (800) 275-7655 Fax (248) 728-6826

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1. The streets are listed alphabetically and broken down into odd and even numbers, as in this example. In the second column are listed the street numbers with the corresponding postal CODE on the same line in the last column.

2. When an asterisk precedes a number, or group of numbers, in the second column, this number specifies a suite or room number at the address listed on the previous line. This suite or room has a separate postal CODE, listed on the same line in the last column.

3. Occasionally, street numbers (in this example "182", "192" and "214") are part of a group of numbers ("182-214") which has a particular CODE. These numbers (or number, in some cases) are then repeated on the following lines, in bold face, with different postal CODES. This indicates that at these addresses are located a large business firm or organization, or an apartment or office building, with their own CODES.

4. The sign (\*) identifies a postal CODE assigned exclusively to a customer receiving a large mail volume regularly and the CODE is not to be used by others who may subsequently occupy the same premises.

<b>MAIN AVENUE</b>			
Odd/Impair	2331	2355	K4H 6S9
	2365	—	K4H 6T1
	<b>2365</b>		
Even/Pair	2328	<b>*389</b>	<b>*K4H 6T2</b>
		2340	K4H 6T3
<b>MARY STREET EAST</b>			
Odd/Impair	211	219	K4E 5M6
	225	253	K4E 5M7
Even/Pair	140	164	K4H 6S5
	<b>182</b>	214	K4H 6S6
	<b>182</b>		K4H 6S7
	<b>192</b>		<b>*K4H 6S8</b>
	<b>214</b>		K4H 6S9

## ABBOTSFORD

### ABBOTSFORD, CLAYBURN, CLEARBROOK AND/ET MOUNT LEHMAN

<b>ABBOTSFORD WAY</b> GREYHOUND BUS LINES 2033 2001 2043 V2S 6Y6 2000 2030 V2S 6X8	<b>ALLWOOD ST</b> 2757 2795 V2T 3S1 2722 2790 V2T 3R7 ALLWOOD TRAILER PARK 2800 V2T 3R8	<b>APPROACH DR</b> 30575 V2T 6H5 30470 30540 V2T 6H5	32136 32168 V2T 5C7	32711 32749 V2T 3W9 32666 32730 V2T 3S6
<b>ABBOTSFORD-MISSION HWY</b> 3857 3927 V4X 1X1 2852 2866 V2S 3Y2 3112 V2S 8C7 3386 V2S 7V2	<b>ALMA ST</b> 34075 34095 V2S 1H1 34107 34113 V2S 1H2 34070 34090 V2S 1G9 34136 34164 V2S 1H3	<b>ARBUTUS ST</b> 2339 2379 V2T 2N8 2332 2378 V2T 2N9	<b>ASHLEY WAY</b> 32841 32891 V2S 5W3 32838 32890 V2S 5W3	<b>AVIATOR DR</b> 1130 1-2 V2T 6H5 1172 1208 V2T 6H5
<b>ADORN AVE</b> 34543 34637 V2S 5G2 34558 34638 V2S 5C3	<b>ALPINE AVE</b> 32329 V2T 1H4 32355 32369 V2T 1H5 32326 32392 V2T 1H3	<b>ARCADIAN WAY</b> 33651 33679 V2S 7T4 33682 33680 V2S 7T4	<b>ASPEN AVE</b> 32875 32997 V2S 7A5 32968 V2S 7A5	<b>AVONDALE AVE</b> 33409 33429 V2S 2T2 33428 33442 V2S 2T3
<b>ADAIR AVE</b> 32235 32393 V2T 4L7 32250 32302 V2T 4L6 32348 32386 V2T 4L5	<b>ALTA AVE</b> 32901 32931 V2S 6P5 33021 33035 V2S 4S4 33127 33163 V2S 4S6 33221 33283 V2S 1V1 32902 32932 V2S 6P9 33024 33130 V2S 5B8 33156 33180 V2S 4S5 33212 33274 V2S 1T9	<b>ARDEN DR</b> 34729 34805 V2S 2X9 34702 34722 V2S 2X8	<b>ASTORIA CRES</b> 3245 3269 V2T 4P8 32027 32045 V2T 4P6 32105 32175 V2T 4P7 3232 3310 V2T 4R1 32028 32188 V2T 4P5	<b>AZALEA CLOSE</b> 3593 3609 V2S 6C6 3606 3612 V2S 6C6
<b>JANAC ST</b> 2245 2259 V2S 4S7 2295 2325 V2S 4T1 2250 2258 V2S 4S8 2292 2324 V2S 4S9	<b>AMBERPOINT PL</b> 31665 31711 V2T 6T2 31662 31710 V2T 6T2	<b>ARGYLE ST</b> 3537 3697 V2S 7A9 3588 3700 V2S 7A9	<b>ASTORIA CRT</b> 32065 32095 V2T 4P9	<b>B ST</b> 20 40 V2S 8C2 122 V2S 8C1 160 V2S 8B8 260 280 V2S 8B9
<b>DELAIDE ST</b> 2411 2415 V2T 3L8 2449 2551 V2T 3L9 2559 2663 V2T 3M1 2410 2574 V2T 3L7 2610 2662 V2T 3M2	<b>AMICUS PL</b> 32917 V2S 6G9 AMICUS SENIOR CITIZENS HOME 32920 V2S 5V1 32910 32950 V2S 6G9	<b>ARLINGTON ST</b> 2823 2851 V2S 3L1 2796 2829 V2S 3K9	<b>ATKINSON LANE</b> 3281 3327 V3G 2G5	<b>BABICH PL</b> 33405 33407 V2S 6V3 33382 33398 V2S 6V3
<b>EROLANE AVE</b> 31465 31477 V2T 4B5 31486 31482 V2T 4A7	<b>ANDERSON AVE</b> 34697 35165 V3G 1N4 35040 35410 V3G 1N4	<b>ARMSTRONG AVE</b> 34775 34859 V2S 7Y9 34818 34854 V2S 7Y9	<b>ATKINSON RD</b> 37351 47499 V3G 2G7 37442 37776 V3G 2G7 38050 V3G 2G6 38200 V3G 2X5	<b>BABICH ST</b> 2767 3005 V2S 3K4 3071 3177 V2S 5W5 2620 3000 V2S 3K5 3066 3152 V2S 5H7 3190 V2S 6C5
<b>LADDIN CRES</b> 2401 2503 V2S 5K7 2404 2486 V2S 5K7	<b>ANDREWS PL</b> 33909 33921 V2S 6P3 33906 33918 V2S 6P3	<b>ARNOLD RD</b> 3303 733 V3G 1S4 3304 748 V3G 1S4	<b>ATWATER CRES</b> 3231 3277 V2T 4L1 3287 3323 V2T 4L9 32251 32331 V2T 4L3 3236 3284 V2T 4L4 3302 3328 V2T 5B1 32226 32330 V2T 4L2	<b>BAKVIEW ST</b> 2043 2191 V2T 3B2 2211 2375 V2T 3B3 2062 2180 V2T 3B1 2212 2374 V2T 3B4
<b>LBERT WAY</b> 2650 2666 V2T 2R2	<b>ANGUS CAMPBELL RD</b> 55 681 V3G 1S3 1365 V3G 2G4 BC MINISTRY OF AGRICULTURE & FOOD 1767 V3G 2M3 40 520 V3G 1S3 1324 1618 V3G 2G4	<b>ASH ST</b> 2745 V2S 4E9 2765 2785 V2S 4G2 2821 2911 V2S 4G3 2939 3055 V2S 4G5 2662 2664 V2S 4R6 2700 2730 V2S 4E8 2784 V2S 4G1 2874 2910 V2S 4G4 2944 3046 V2S 4G6	<b>AUBURN ST</b> 2549 V2T 3J9 2585 2651 V2T 3X2 2550 2640 V2T 3K1	<b>BAKSTAD RD</b> 37685 37855A V3G 2L3
<b>LBION ST</b> 1944 1976 V2T 3Y8	<b>ANORA DR</b> 2263 2339 V2S 5P5 2353 2381 V2S 5P6 34775 V2S 6T7 2270 2338 V2S 5P7 2346 2390 V2S 5P8 34770 34780 V2S 6C2	<b>ASHCROFT DR</b> 3349 3367 V2T 5C7 3377 3441 V2T 5C6 3521 3549 V2T 5B4 32077 32085 V2T 5C3 32095 32133 V2T 5C4 32143 32215 V2T 5C7 3336 3358 V2T 5C7 3364 3399 V2T 5C6 3464 3552 V2T 5B4 32074 32082 V2T 5C3 32084 32126 V2T 5C4	<b>AUGUSTON PKY</b> 36291 36363 V3G 2Y7 36294 36310 V3G 2Y7	<b>BALDWIN RD</b> 2763 34679 V2S 7H9 2728 34656 V2S 7H9
<b>LBONVIEW ST</b> 2509 2553 V2S 4E1 2494 2550 V2S 4C9 2276 2312 V2S 3W5 2276 2312 V2S 3W4	<b>APEX CRT</b> 3407 3427 V2T 6N5 3416 3424 V2T 6N5	<b>AUTUMN AVE</b> 32109 32149 V2T 1P2 32201 32249 V2T 1P4 32108 32136 V2T 1P1 32198 32248 V2T 1P3	<b>BALFOUR DR</b> 32015 32055 V2T 5C1 32085 32141 V2T 5C2 32084 32142 V2T 5C2	<b>BALMORAL ST</b> 4171 4191 V4X 1Y5 4174 4212 V4X 1Y5
<b>LEXANDER CRES</b> 2289 2305 V2S 3W5 2276 2312 V2S 3W4		<b>AVALON CRES</b> 32669 32679 V2T 3W8	<b>BALSAM CRES</b> 3741 3791 V2S 7A3 3801 3855 V2S 7A4 3738 3790 V2S 7A3 3802 3856 V2S 7A4	<b>BANFF PL</b> 32947 33035 V2S 7B1 32942 33036 V2S 7B1
<b>LICE ST</b> 2829 2839 V2T 3P2 2826 2838 V2T 3P1			<b>BARKER RD</b> 149 295 V3G 1S5 350 V3G 1S5	<b>BASSANO TERR</b> 3443 3475 V3G 2Y1
<b>MELLEN AVE</b> 33254 33280 V2S 2L4				
<b>MILLANCE ST</b> 2621 2625 V2S 3J9 2606 2620B V2S 3J8				

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<b>CENTENNIAL ST</b> 2611 2729 V2T 2V3 2755 2815 V2T 2V4 2610 2728 V2T 2V2 2758 2778 V2T 2V5 2798 2808 V2T 2V6	<b>APARTMENT BUILDING</b> 32777 V2T 5W4 32600 32610 V2T 5A5 32662 32694 V2T 4Z8 32696 32788 V2T 5S5	3770 V2T 6N3 4120 V2T 5W7	<b>COUNTRESS ST</b> COUNTRESS MEWS 2441 V2T 4G3 COUNTRESS MEWS 2481 V2T 4G4 ARLINGTON PLACE 2487 100-317 V2T 5L9 2617 2731 V2T 2V8 THE WEDGEWOOD 2626 V2T 5P3 2640 2730 V2T 2V7	30635 30791 V2T 5K7 3064 3136 V2T 5J3 3184 3214 V2T 5F8 30814 V2T 5J3 30620 30790 V2T 5K7
<b>CENTER ST</b> 2227 2373 V2T 2N1 2425 2459 V2T 2N4 2234 2244 V2T 2M9 2330 2344 V2T 2N2 2370 2388 V2T 2N3 2426 2476 V2T 2N5	<b>CHRISTINA PL</b> 35111 35205 V2S 8H1 35110 35202 V2S 8H1	<b>CLINTON AVE</b> 32059 32107 V2T 5B7 32117 32259 V2T 5B5 32267 37331 V2T 5B3 32072 32096 V2T 5B7 32106 32262 V2T 5B5 32268 32330 V2T 5B3	2487 100-317 V2T 5L9 2617 2731 V2T 2V8 2626 V2T 5P3 2640 2730 V2T 2V7 2523 2561 V3G 1M1 2520 2524 V3G 1M1	<b>CURRIE PL</b> 34639 34687 V2S 7J1 34640 34670 V2S 7J1
<b>CENTURY CRES</b> 2873 2943 V2S 5V3 33317 V2S 5V4 33335 33349 V2S 5Z6 2884 2916 V2S 6A6 33256 33340 V2S 5V5	<b>CHURCH ST</b> 2425 V2T 3J8 2414 2450 V2T 3J7	<b>COACHSTONE WAY</b> 3789 3899 V2S 8G7 3903 3963 V2S 8G6 3798 3898 V2S 8G7 3904 3954 V2S 8G6	2523 2561 V3G 1M1 2520 2524 V3G 1M1 36227 36291 V3G 1M1 36303 36477 V3G 1M2 36278 36304 V3G 1M1 36308 36324 V3G 1M2 36350 V3G 1M1 36356 36476 V3G 1M2	<b>CYPRESS ST</b> 33767 33771 V2S 1Z2
<b>CENTURY CRT</b> 33283 33305 V2S 5Y2	<b>CLARKE DR</b> 2283 2393 V2S 3V4 2282 2370 V2S 3V3	<b>COBBLESTONE DR</b> 3635 3695 V2S 7J8 3634 3694 V2S 7J8	<b>COUNTRY CRT</b> 2523 2561 V3G 1M1 2520 2524 V3G 1M1	<b>CYRIL ST</b> 2513 2549 V2S 2G1 2631 2633 V2S 2G4
<b>CHADSEY CRES</b> 3791 3823 V2S 7A2 3833 3873 V2S 7A1 3808 3828 V2S 7A2 3838 3858 V2S 7A1	<b>CLAUDIA CRT</b> 3059 3089 V2T 2W7 3058 3088 V2T 2W6	<b>COGHAN PL</b> 31255 31331 V2T 5M8 31250 31332 V2T 5M8	<b>COUNTRY PL</b> 36227 36291 V3G 1M1 36303 36477 V3G 1M2 36278 36304 V3G 1M1 36308 36324 V3G 1M2 36350 V3G 1M1 36356 36476 V3G 1M2	<b>CO-OP MALL</b> 33933 V2S 5V2
<b>CHALMERS PL</b> 31429 31435 V2T 5H1 31428 31438 V2T 5H1	<b>CLAYBURN RD</b> 32869 33055 V4X 1W7 33439 33585 V2S 7I8 33629 V2S 7I7 34159 V2S 7I1 34161 34175 V2S 7I6 34481 34487 V2S 7I5 34773 V2S 7I1 34777 1-3 V2S 7I1 34919 35071 V2S 7Z1 32812 32918 V4X 1W7 33324 33562 V2S 7I8 33786 33980 V2S 7I7 34004 34316 V2S 7I6 34416 34486 V2S 7I5 34570 34742 V2S 7I9 34746 V2S 7I1 34750 34974 V2S 7I9 34980 35006 V2S 7Z1 35060 15-24 V2S 7Z2	<b>COLE RD</b> 1791 1905 V3G 1T3 2201 2373 V3G 2H1 922 1024 V3G 1T2 658 2200 V3G 1T3	<b>COUNTRESS ST</b> COUNTRESS MEWS 2441 V2T 4G3 COUNTRESS MEWS 2481 V2T 4G4 ARLINGTON PLACE 2487 100-317 V2T 5L9 2617 2731 V2T 2V8 THE WEDGEWOOD 2626 V2T 5P3 2640 2730 V2T 2V7 2523 2561 V3G 1M1 2520 2524 V3G 1M1 36227 36291 V3G 1M1 36303 36477 V3G 1M2 36278 36304 V3G 1M1 36308 36324 V3G 1M2 36350 V3G 1M1 36356 36476 V3G 1M2	<b>ABBOTSFORD NEWS</b> 34375 V2S 2H5 33933 34375 V2S 2E8 2542 2584 V2S 2G2 2644 V2S 2G3
<b>CHAMPLAIN CRES</b> 34805 34955 V2S 5P3 34810 34820 V2S 6A1 34850 34870 V2S 5Y6 34900 V2S 5Y7	<b>CLEARBROOK RD</b> 71 703 V2T 5X1 819 1569 V2T 5X2 1681 1789 V2T 5X5 2073 2095 V2T 2K1 2121 2139 V2T 4H6 2181 2285 V2T 2K4 2335 2377 V2T 2K6 2421 2431 V2T 2X9 2451 V2T 2Y1 2497 V2T 2Y2 2611 2677 V2T 2Y6 2719 V2T 2Y9	<b>COLE RD</b> 1791 1905 V3G 1T3 2201 2373 V3G 2H1 922 1024 V3G 1T2 658 2200 V3G 1T3	<b>COULTS WAY</b> 929 1015 V2S 7M2	<b>D ST</b> 151 V2S 8B6
<b>CHAMPLAIN DR</b> 2197 2247 V2S 6E5 2188 2248 V2S 6E4	<b>CLEARBROOK GOLDEN AGE HOME</b> 2825 V2T 6S3 2855 V2T 2Z3 2873 2985 V2T 2Z6	<b>COMOX CRT</b> 3219 3243 V2S 7B4 3220 3228 V2S 7B4	<b>COWICHAN TERR</b> 32623 32695 V2T 4Y6 32705 32777 V2T 4Y5 32624 32696 V2T 4Y6 32706 32780 V2T 4Y5	<b>DAHL CRES</b> 1825 1913 V2S 4B3 1949 1971 V2S 4B6 1820 1842 V2S 6V4 1866 1912 V2S 4B4 1956 1980 V2S 4B5
<b>CHANTRELL PL</b> 34707 34797 V2S 7H8 34803 34883 V3G 1G5 34708 34798 V2S 7H8 34802 34872 V3G 1G5	<b>CLEARBROOK ROAD APTS.</b> 3085 V2T 4A9 3015 3065 V2T 2Z9 3133 3185 V2T 4N8 3211 3279 V2T 4N9 3313 3427 V2T 4P1 3471 3495 V2T 5C1 3737 1-10 V2T 5A7 3755 1-26 V2T 5A8 3905 41-25 V2T 5W7 14 614 V2T 5W9 828 1494 V2T 5X3 1630 1858 V2T 5X4 2096 2166 V2T 2X2 2182 2194 V2T 2X3 2238 2328 V2T 2X5 2360 2372 V2T 2X7 2416 2464 V2T 2X8 2488 25188 V2T 2Y2 2532 2548 V2T 2Y4 2564 2580 V2T 2Y5 2640 2642 V2T 2Y7 2672 2694 V2T 2Y8 2712 2728 V2T 2Z1	<b>CONAIR AVE</b> 31355 31395 V2T 5G5 2630 31386 V2T 5G5	<b>COUCHTTS WAY</b> 929 1015 V2S 7M2	<b>DAHLSTROM AVE</b> 32025 32085 V2T 2K7 32095 32275 V2T 2K3 32307 32387 V2T 2L2
<b>CHAPMAN PL</b> 2647 2711 V2S 7J2 2646 2694 V2S 7J1 2702 2710 V2S 7J2	<b>CONRAD AVE</b> 31789 31905 V2T 2K4 31831 31849 V2T 2K5 31875 31895 V2T 3W4 31937 V2T 3W5 31788 31928 V2T 2K3	<b>CONRAD AVE</b> 31789 31905 V2T 2K4 31831 31849 V2T 2K5 31875 31895 V2T 3W4 31937 V2T 3W5 31788 31928 V2T 2K3	<b>CRANBERRY CRT</b> 2351 2427 V3G 2W8	<b>DAHLSTROM PL</b> 32025 32085 V2T 2K7 32095 32275 V2T 2K3 32307 32387 V2T 2L2
<b>CHARLES CRT</b> 3061 3087 V2T 2W5 3060 3086 V2T 2W4	<b>CONWAY PL</b> 33452 33476 V2S 2R6	<b>CONWAY PL</b> 33452 33476 V2S 2R6	<b>CREEKSTONE DR</b> 3605 3703 V2S 7J7 3642 3720 V2S 7J7	<b>DAHLSTROM MANOR</b> 2977 V2T 4Y3
<b>CHARLIE SPRUCE PL</b> 4555 4755 V3G 2K9 4550 4700 V3G 2K9	<b>COOPER PL</b> 34813 34845 V2S 7K6 34814 34844 V2S 7K6	<b>COOPER PL</b> 34813 34845 V2S 7K6 34814 34844 V2S 7K6	<b>CREEKSTONE DR</b> 3605 3703 V2S 7J7 3642 3720 V2S 7J7	<b>DAMSON AVE</b> 35021 35041 V3G 2B5 35022 35052 V3G 2B5
<b>CHARLOTTE AVE</b> 31605 31773 V2T 3Z6 31795 V2T 4K9 31975 V2T 4T7 31636 31764 V2T 3Z9 31796 31940 V2T 4J3 31964 31988 V2T 4K8	<b>CORAL AVE</b> 31797 31927 V2T 2K1 31957 V2T 4T3 31796 31868 V2T 2J9 31916 31940 V2T 2K2	<b>CORAL AVE</b> 31797 31927 V2T 2K1 31957 V2T 4T3 31796 31868 V2T 2J9 31916 31940 V2T 2K2	<b>CREEKSTONE DR</b> 3605 3703 V2S 7J7 3642 3720 V2S 7J7	<b>DAVIE CRT</b> 34635 34657 V2S 6G3 34630 34654 V2S 6G3
<b>CHASE ST</b> 3443 3497 V2T 5B2 3505 3561 V2T 5B3 3442 3498 V2T 5A9 3506 3562 V2T 5B3	<b>CORBETT PL</b> 35283 35327 V3G 1K1 35232 35326 V3G 1K1	<b>CORBETT PL</b> 35283 35327 V3G 1K1 35232 35326 V3G 1K1	<b>CRESTON DR</b> 3443 3483 V2T 5B9 3493 3527 V2T 5B8 3434 3486 V2T 5B9 3494 3514 V2T 5B8	<b>DAVIE ST</b> 3525 3647 V2S 6G3 3691 3733 V2S 6K7 3751 3771 V2S 6E9 3594 3644 V2S 6G3 3676 3742 V2S 6K7 3750 3770 V2S 6E9
<b>CHATEAU PL</b> 2119 2159 V2T 3T9 2120 2140 V2T 3V1	<b>CORBOULD RD</b> 37 259 V3G 1T4 48 184 V3G 1T4	<b>CORBOULD RD</b> 37 259 V3G 1T4 48 184 V3G 1T4	<b>CRESTON DR</b> 3443 3483 V2T 5B9 3493 3527 V2T 5B8 3434 3486 V2T 5B9 3494 3514 V2T 5B8	<b>DAWSON RD</b> 36241 V3G 2E8 36313 37067 V3G 2L1 37525 37833 V3G 2K9 36184 36262 V3G 2E8 36376 37088 V3G 2L1 37108 37272 V3G 2K9 37330 V3G 2L2 37368 37610 V3G 2K9
<b>CHEAM DR</b> 3251 3261 V2T 4Y5 3263 3299 V2T 4Y8 3232 3256 V2T 4Y5 3270 3298 V2T 4Y8 3308 3312 V2T 4Y9	<b>CORDOVA AVE</b> 32245 32315 V2T 4B4 32365 32493 V2T 3Y6 32244 32324 V2T 3Y2 32354 V2T 4M6 32394 32494 V2T 3Y7	<b>CORDOVA AVE</b> 32245 32315 V2T 4B4 32365 32493 V2T 3Y6 32244 32324 V2T 3Y2 32354 V2T 4M6 32394 32494 V2T 3Y7	<b>CRESTON DR</b> 3443 3483 V2T 5B9 3493 3527 V2T 5B8 3434 3486 V2T 5B9 3494 3514 V2T 5B8	<b>DAWSON RD</b> 36241 V3G 2E8 36313 37067 V3G 2L1 37525 37833 V3G 2K9 36184 36262 V3G 2E8 36376 37088 V3G 2L1 37108 37272 V3G 2K9 37330 V3G 2L2 37368 37610 V3G 2K9
<b>CHEHALIS DR</b> 3207 3263 V2T 4Y6 3271 32651 V2T 4Y7 32661 32793 V2T 4Y9 3246 3264 V2T 4Y6 3274 32650 V2T 4Y7 32720 32770 V2T 4Y9	<b>CORNELL ST</b> 1190 1342 V2T 6H5	<b>CORNELL ST</b> 1190 1342 V2T 6H5	<b>CRESTON DR</b> 3443 3483 V2T 5B9 3493 3527 V2T 5B8 3434 3486 V2T 5B9 3494 3514 V2T 5B8	<b>DAYBREAK LANE</b> 2615 2645 V3G 2W9 2626 V3G 2W9
<b>CHESEA AVE</b> 33257 33277 V2S 1R8 33256 33266 V2S 1R7	<b>CORONATION CRT</b> 3129 3175 V2T 4J7 3130 3180 V2T 4J7	<b>CORONATION CRT</b> 3129 3175 V2T 4J7 3130 3180 V2T 4J7	<b>CRESTON DR</b> 3443 3483 V2T 5B9 3493 3527 V2T 5B8 3434 3486 V2T 5B9 3494 3514 V2T 5B8	<b>DE COSMOS AVE</b> 34657 34677 V2S 6G4 34640 34660 V2S 6G3 34670 34680 V2S 6G4
<b>CHERRY ST</b> 2045 2059 V2S 3S5 2054 V2S 3S6	<b>COTTAGE LANE</b> 33457 V2S 6E1	<b>COTTAGE LANE</b> 33457 V2S 6E1	<b>CRESTON DR</b> 3443 3483 V2T 5B9 3493 3527 V2T 5B8 3434 3486 V2T 5B9 3494 3514 V2T 5B8	<b>DEACON ST</b> 2595 2669 V2T 6H3 2656 V2T 6H3
<b>CHESTNUT ST</b> 3223 3293 V2S 4M2 3305 V2S 4M3 3222 3296 V2S 4M4	<b>COTTAGE LANE APTS.</b> 33490 V2S 6B8	<b>COTTAGE LANE APTS.</b> 33490 V2S 6B8	<b>CRESTON DR</b> 3443 3483 V2T 5B9 3493 3527 V2T 5B8 3434 3486 V2T 5B9 3494 3514 V2T 5B8	<b>DEBREEN CRES</b> 32037 32147 V2T 1H1 32034 32152 V2T 1H2
<b>CHEMILCOTIN DR</b> 32591 32603 V2T 5A5 32611 32645 V2T 5A4 32655 32673 V2T 4Z8 32717 32767 V2T 5S5	<b>COTTONWOOD ST</b> 2445 2795 V4X 1K5 2420 2940 V4X 1K5	<b>COTTONWOOD ST</b> 2445 2795 V4X 1K5 2420 2940 V4X 1K5	<b>CRESTON DR</b> 3443 3483 V2T 5B9 3493 3527 V2T 5B8 3434 3486 V2T 5B9 3494 3514 V2T 5B8	<b>DEBRYNE RD</b> 28591 V4X 1N4

(2000)

# ABBOTSFORD

SCHOOL DISTRICT 34 (ABBOTSFORD) 2790 2804 2886 V2T 4M7 3016 3060 V2T 4G8	APARTMENT BUILDING 3110 1-60 V2S 7X7 APARTMENT BUILDING 3220 V2S 8G4 TRANS CANADA HWY 40382 40606 V3G 2W1	3497 3539 V2T 5R6 3380 V2T 4W9 3396 3422 V2T 5M9 3498 3534 V2T 5R6	3605 3631 V2S 6V5 3572 3596 V2S 6C1 3602 3636 V2S 6V5	2600 2635 V2S 2E6 2657 2699 V2S 2E7 2142 2246 V2S 2E2 2444 2518 V2S 2E4	TODD CRT 3077 3089 V2S 5S5 3076 3092 V2S 5S5	TRETHEWEY ST 2885 V2T 3R2 2925 V2T 3R3 2971 3075 V2T 3R4 3245 3255 V2T 4C1 3339 3353 V2T 5C9 3361 3369 V2T 5A9 2760 2774 V2T 3R1 2880 V2T 4X5	VALEMONT CRES 2601 2745 V2T 3V6 2600 2752 V2T 3V5	WALKER CRES 34661 34753 V2S 1J4 34650 34670 V2S 1J3 34694 34756 V2S 1J5	WESTBURY AVE 1859 1921 V2S 1B9 33157 33167 V2S 1C3 33267 33339 V2S 1C4 33383 33565 V2S 1C6 1880 1942 V2S 1C1 33140 33354B V2S 1C2 33374 33560 V2S 1C5	TOLMIE RD 2211 V3G 2T5 2567 3219 V3G 2T7 3367 3921 V3G 2T9 4243 4791 V3G 2V2 5061 5413 V3G 2V4 2020 2228 V3G 2T6 2400 3108 V3G 2T8 3870 3924 V3G 2V1 4340 4680 V3G 2V3 5050 5436 V3G 2V5 5956 6230 V3G 2V6	VALENCIA CRT 1911 1941 V2T 4M1 1912 1944 V2T 4M1	WALLACE ST 5637 5775 V4X 1T5	WALMSLEY AVE 31465 31817 V2T 6G5 31618 31790 V2T 6G6	WALTERS ST 3877 33919 V2S 2S2 33945 V2S 2S4 33993 V2S 2S6 34115 V2S 2S7 34161 34181 V2S 2S8 33974 33968 V2S 2S3 33968 V2S 2S5	WALNUT AVE 33877 33919 V2S 2S2 33945 V2S 2S4 33993 V2S 2S6 34115 V2S 2S7 34161 34181 V2S 2S8 33974 33968 V2S 2S3 33968 V2S 2S5	WALNUT ST 285 V2S 8B6 244 298 V2S 8B6	WALSH AVE 33233 33241 V2S 1Z9 33226 33236 V2S 1Z8	WALTER RD 36111 36167 V3G 1K9 36110 36202 V3G 1K9	WALTERS ST 7315 7467 V3G 1N3 7448 7532 V3G 1N3	WARD RD 37195 37353 V3G 2K6 37120 37318 V3G 2K6	WARE ST 2029 2077 V2S 3C3 2113 2191 V2S 3C4 2223 2443 V2S 3C6	LAKESIDE TERRACE APTS. 2445 V2S 3E3 2499 2633 V2S 3E2 2655 2679 V2S 3E7 2713 2731 V2S 3E8 2010 2152 V2S 3C2 2174 2258 V2S 3C5 2294 2322 V2S 3C7 2356 2370 V2S 3C8 2394 2414 V2S 3C9 2440 2456 V2S 3E1 2510 2556 V2S 3E4 2594 2616 V2S 3E5 2650 2660 V2S 3E6 2702 V2S 5E6	WHEELER RD 37069 37161 V3G 2L2 37084 37178 V3G 2L2	WILDFLOWER DR 33623 33683 V2S 1S2 33678 33686 V2S 1S3	WILDFLOWER ST 2107 2165 V2S 2Y7 2112 2170 V2S 2Y8	WILEY RD 2041 2067 V2S 2Z4 2117 2175 V2S 2Z7 2060 2084 V2S 2Z5 2110 2190 V2S 2Z6	WILLBAND ST 2899 2915 V2S 5V8 2979 3009 V2S 6V2 2894 3008 V2S 5V7	WILLET ST 4709 5315 V3G 2E8 4818 5360 V3G 2E8	WILLINGDON CRES 32551 32663 V2T 1S1 32580 32660 V2T 1S2	WILLOW LANE 2551 V2S 5Z9 2554 2570 V2S 3Y5	WILLOW ST 2063 2087 V2S 3X1 2060 2084 V2S 3W9	WINDSOR CRT 2203 31395 V2T 6L8 31382 31396 V2T 6L8	WINDSOR ST 2051 2165 V2T 6L9 2217 2255 V2T 6L8 2303 2381 V2T 6M1 31391B V2T 6L9 2026 2116 V2T 6L9 2136 2220 V2T 6L8 2342 V2T 6M2	WINFIELD DR 1973 1-110 V3G 1K6 APARTMENT BUILDING 2023 1-48 V3G 1K5 ASCOT HILLS 2081 1-48 V3G 1C7 ASCOT HILLS 2006 1-36 V3G 1K4 APARTMENT BUILDING 2048 1-54 V3G 1M3 2058 2088 V3G 1M4	WINDSOR RD 15 175 V2S 8E8 90 V2S 8E8	WILTON AVE
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CHRISTINA PL

- 35194 Potter Jamie & Kristine 850-9177
Shaw Kevin M 850-9177
35199 Mc Kenzie Kari M 504-5511
Schmielgel Jerry 504-5511
35202 Ketter Tony V & Yvonne 556-0572
35205 Not Verified
BUSINESSES 1 HOUSEHOLDS 21

CHURCH ST -FROM 32061 PEARDONVILLE RD NORTH

- 2414 AUTUMN TERRACE CONDOMINIUMS 3
101 2414 Penner William 859-8572
102 Vacant
103 Not Verified
104 Mindel Harold 854-5143
105 Schellenberg A 850-5166
106 Siemens O 853-4649
107 Scheckel E 853-4417
108 Hamm Henry 854-6746
109 Vacant
110 Sawatsky C 850-0247
111 Giesbrecht Neta 859-4739
112 Braun H 853-5050
113 Fehr Isaac & Mary 853-8893
114 Harder S 850-2915
115 Banman A C 859-8005
116 Friesen M 859-2477
201 Shelly H 859-5452
202 Peters S 853-2889
203-204 Vacant (2 Apts)
205 Neufeld Peter F & Tina 853-1923
206 Ross E 852-8480
207 Pauls C 504-0065
208 Thibodeau R J 853-9519
209 Hill K C 853-0053
210 Vacant
211 Not Verified
212 Epp M 853-5830
213 Cooper Gary & Darlene 556-3709
214 Wiens Franz 854-3293
215 Weiler H 850-8784
216 Not Verified
301 Esau Betty 853-5285
301 Esau Mary 853-5285
302 Badke A 556-3349
303 Twining R 855-4450
304 Neufeld Peter K & Elizabeth 859-0116
305 Kehler K 853-2647
306 Not Verified
307 Lind A 853-5559
308 Not Verified
309 Neudorf K 859-9657
310 Mc Fayden Merle E 504-3210
311 Vacant
312 Not Verified
313-314 Vacant (2 Apts)
315 Sawatsky H 853-3747
316 Klassen H 859-8391

- 2425 PARKVIEW PLACE APARTMENT
101 Reimer Jacob 859-5881
102 Schmidt John J 859-6668
103 La Chance Larry J 852-2084
104 Champagne G 864-8875
105 Spent E 859-6802
106 Peters William & Anne 852-3935
853-6986
107 Hamilton A 853-9541
108 Wiens O 854-8168
109 Guttridge S 854-4190
110 Not Verified
111 Rempel Ben 859-7056
112 Goetzke Hans 859-1415
201 Ediger Peter 850-0389
202 Cook E E 852-0811
203 Not Verified
204 Baker D P 864-9001
205 Voth K 859-2578
206 Falk Arnold H 852-2605
207 Schroeder H P 853-7343
208-210 Not Verified (3 Apts)
211 Wiebe G A 853-4356
212 Mc Lellan John 854-5908
301 Leduc L 850-3074
302 Abrahams D L 852-2401
303 Heinrichs Peter R & Margaret 853-7522
304 Doherty A R 853-7887
305 Raymer F Ross & Donna 852-6222

CHURCH ST

- 306 Vacant
307 Sawatsky Jake J & Tina 853-1225
308 Rempel Peter K 859-5110
309 Peters Peter J & Kay 859-5881
310 Not Verified
311 Rempel John J & Katherine 859-5387
312 Martens David F & Martha 504-1921
2450 MAGNOLIA GARDENS condominiums
101 Wiebe J 864-4178
102 Thiessen K 859-9375
103 Matties H 853-5283
104 Jantzen W 852-3645
105 Harvey C 504-3911
106 Gross Albert 850-7176
107 Cross D E 852-5163
108 Voth M 853-3145
109 Janzen Henry & Kay 853-1454
110 Schmidt Peter 853-1937
201 Froese K 852-2103
202 Kucher E 850-2599
203 Neifert Jim 859-4953
204 Neumann J H O 853-6249
205 Blair Robert 854-3868
206 Angevine Ernie 859-0663
207 Hoffman A 855-0932
208 Friesen M T 850-7652
209 Friesen C 854-3489
210 Janzen M 852-4292
301 Friesen K 859-9333
302 Warkentin Albert & Elsie 853-2685
303 Brotherston G J 859-8982
304 Follack H 853-9433
305 Harder H 864-4252
306 Martens J 853-7478
307 Morris A 850-2737
308 Zacharias Peter & Mary 855-8963
309 Suderman H 852-3197
310 Neufeld Ben 850-8720
BUSINESSES 3 HOUSEHOLDS 107

CLARKE DR -FROM 33700 BUSBY RD NORTH

- 2282 BRUINSMA TREE SERVICE tree service 854-6182
Bruinsma Ed W & Susan 854-6182
2283 Des Lauriers Emerson & Adelje 859-5860
2295 Patterson Albert H & Alvina 853-2009
2298 Miller M L 853-2410
2311 Lawlor Glen & Maria 853-2162
Lawlor Ryner 853-2162
2314 Lamont Brian 853-7798
Gladstone Wesley 853-7798
2319 Long Robert 854-3695
2326 Groot Ken & Linda 853-2241
2327 Battistoni P J 853-3124
2335 Jones Dan 853-1722
2336 Mc Donald L 859-1011
2346-2347 Not Verified (2 Hses)
2355 Scott R W 853-7978
2358-2369 Not Verified (2 Hses)
2369 Sanderson Billy 556-2521
2370 Heppner D 852-8380
2393 Not Verified
+ MC DOUGALL AV INTERSECTS
BUSINESSES 1 HOUSEHOLDS 19

CLAUDIA CT -FROM 31868 CONRAD AV NORTH

- 3058 Gibson R M & Margaret 850-2224
Gibson Stephanie 850-2224
3059 Boulanger Leon & Karen 864-0654
3068 Samograd T & Valerie 504-3335
3069 Hodges P 853-3258
3078 Fust Danny E & Karen 859-8547
3079 Lowey Dale & Colleen 852-6263
3088 Wallace Andrew J 852-3986
3089 Mc Mann Everett 853-0897
HOUSEHOLDS

CLEARBROOK RD -FROM 31943 KING RD NORTH

- 1630 Not Verified 21

CLEARBROOK RD

- 1648 Dhaliwal Chamkaur S & Surinder 852-3454
1681 FRASER VALLEY CHICK SALES LTD 864-0555
1694 Clarke Larry E & Pat 850-5807
1709-1733 Not Verified (2 Hses)
1736 Normand K A 855-4234
1745 Peters Vern A 855-6094
1762-1772 Not Verified (2 Hses)
1789 H & H TRAILER SALES LTD 864-0026
Craig Jacqueline 854-3840
1794-1806 Vacant (2 Hses)
1822 Irwin Wayne 504-7284
1858 Reddecopp Herbert 854-1042
Oppen Brian 854-1042
+ FREEWAY OVERPASS
+ MARSHALL RD INTERSECTS
+ JOYCE AV INTERSECTS
2073 HOLIDAY INN EXPRESS 859-6211
2073a RICKY'S RESTAURANT 859-6789
2095 MADEIRA CHEVRON TOWN PANTRY 850-6773
+ SHERWOOD CRES INTERSECTS
2112 Johnson Garry A 864-9492
2121 THREE D CYCLES LTD motorcycles s/s-serv 859-4732
2122 102 P J AUTO SALES LIMITED auto sales 864-6239
2321 Vacant
2139 STRIP MALL
+ UNITS
1 CLEARBROOK GLASS 854-1327
3 MISTER TRANSMISSION 853-0020
4 LARK MOTORS (1981) LTD 853-2304
2142 CLEARWEST SOLUTIONS cellular telephones 504-3838
2156 Not Verified
2166 Vacant
+ SHERWOOD CRES INTERSECTS
2181 SHELL GAS STATION 850-1150
2182 Not Verified
2194 Penman Tammy 850-3021
+ MELMAR ST INTERSECTS
2211 GLENWOOD MANOR
101 Matties John W & Dolores 853-8901
102 Not Verified
103 Smith Mike 859-7485
104 Not Verified
105 Fischer Melford 852-5648
106 DIRECT FIRE SYSTEMS fire equip 859-0563
107 Carter H J 853-6704
108 Taylor L 870-0172
109 Not Verified
110 Trotter J 855-0546
111 Neuman E 859-9039
112 Not Verified
113 Markowski D 504-7828
114 Johnson Leonard 853-6072
115 Not Verified
116 Gibbs G 853-8809
201 Hood Alan 850-9085
202 Martens K 859-6618
203-204 Not Verified (2 Apts)
205 Unruh Adolf 859-0536
206 Whitney Den 855-5393
207 Pawlett K 850-7983
208 Parton K C 853-1035
209 Loewen Susie 859-5081
210 Enns E 859-6101
211 Keye S 853-7935
212 Allen M 853-9172
213 Neufeld Margaret 854-5063
214 Lee David & Dianne 853-8577
215 Feich E E 853-9734
216 Doucet M 859-2542
301 Guilbert 855-0754
302 Widge Eddie 855-8879
303 Not Verified
304 Lamothe J 852-4269
305 Heidebrecht Bud 864-4982
306 Landells S 859-5649
307 Thiessen Lawrence & Hilda 850-8560
308 Hart Gordon 850-2912
309 Klassen Trevor 852-8660
310 Anderson D 855-6923
311 Not Verified
312 O'Donnell Dorothy Jean 859-0363



OFFICIAL APPOINTMENT  
CANADA SELECT B  
☆☆☆

BEST WESTERN  
GOLD CROWN CLUB  
INTERNATIONAL

**BEST WESTERN  
BAKERVIEW INN - ABBOTSFORD**  
Phone 859-1341



Exit 92, Off Hwy. #1

1821 Sumas Way

WAGNER DR to WARE ST

180

HOMEOWNER

**WAGNER DR**  
3367 Not Verified  
3375 Parshad Ram S & Nirmla 4 850-9393  
Parshad Neel & Suman 850-9393  
3385 Not Verified  
3394 Kaila Jagroop S & Simardeep 2 855-5370  
Kaila Bikker S & Ranjit 855-5370  
3395 Singh Piara 2 852-4734  
Smid A 852-4734  
3402 Mahi Sharanjit 2 854-1682  
3403 Bhangu Harry 2 850-2897  
3412 Dass Armit & Vijai Lalit 2  
3413 Gill Surinder 2 852-2861  
Gill Taswinder 852-2861  
Gill S 2 855-7663  
3422 Lalli W 2 850-7112  
3423 Bucusis David G & Sherry 2 504-7399  
3432 Gill Sukhdarshan S 3 855-0180  
3433 Mander Bhadur S & Taljinder 2 854-1573  
Gill Shivinder S 854-1573  
3456 Hundall Baljit & Jaswinder 2 854-5701  
Hundall Kabal S & Sukwant 854-5701  
Hundal Baljit & Jaswinder 2 556-3580  
3457 Farwaha Jasbir S & Lakhbir 2 852-4751  
Farwaha Harpreet K 852-4751  
Farwaha Jagjit & Baljit 852-4751  
Farwaha Sharanjit K 852-4751  
3463-3524 Under Constn (4 Hses)  
31236 Irion Roland A 2 854-5815  
31246 Not Verified  
31251 Sharma Manohar & Monika 3 854-3852  
Sharma Tarlochan & Rekha 854-3852  
31256 Papuc Rick N & Bonnie 3 855-6115  
31261 Crocker L 2 852-2216  
Crocker Elizabeth 852-2216  
31264 Narivonchik Igor & Galina 556-7873  
Narivonchik Irina 556-7873  
31271 Dhillon Nirbhaj 2 864-6284  
Deshi K S 864-6318  
31274 Brar Sewa S & Angrej 2 855-6711  
Brar Sukhjeet K 855-6711  
31279 Watrin Kevin & Michelle 2 852-9383  
31284 Badger Gordon K & Lisa 2 852-8199  
31289 Mahal Rajdeep 504-3491  
31292 Delbridge John R & Enri 3 855-4613  
31297 Wollbaum David A & V Joan 2 556-2290  
31300 Borseth Jason 864-0064  
31305 Fik S 3 850-8440  
31306 Jhinger Balbir 2 854-3928  
31315 Sahota Nashatt 3 850-7824  
31316 HERBIE'S PAINTING res painting  
contr. 852-8398  
Pahal Herbie H & Inderjit 3 852-8398  
31325 Mann C S 2 855-0053  
31326 Klassen Len A & Sharon 2 855-0169  
31335 Weins Gerhard H & Maria 864-4215  
31336 Beauchesne J C & A 2 852-6882  
31343 Bains Malkit Singh 3 855-1922  
Deol Sukhwinder 855-1922  
31402 Under Constn  
BUSINESSES 3 HOUSEHOLDS 74

**WAGNER PL - FROM WAGNER DR  
NORTHEAST**  
3442 BRITE GUTTER INSTALLATIONS LTD  
contractor 854-1102  
Ruiter Jim 2 854-1102  
Ruiter D J 854-1102  
3351 Mand Ranjit 3 852-6287  
3352 Not Verified  
3361 Torsky Linda S 504-5775  
Torsky Melissa N 504-5775  
3362 Not Verified  
3371 Jarvis Gordon & Erika 855-1714

**WAGNER PL**  
Jarvie Suzanne C 855-1714  
3372 Johnsen Chris 3 854-8270  
BUSINESSES 1 HOUSEHOLDS 7  
**WALDEN ST - FROM 34500 BLK DONLYN  
AV NORTH**  
11  
3525 Myers-Wardal D 2 853-9024  
3537 Duncan Craig 864-8987  
3547 Not Verified  
+ HURST CRES INTERSECTS  
3559 Code C 859-1569  
3569 MARIA'S STUDIO 35 nails tech 854-1938  
Reimer M 2 854-1938  
3572 Flett K 3 859-8554  
3579 Romanchuk Cameron B 3 853-0221  
3584 Stralton T 2 854-3888  
3589 Mac Pherson William & Sharon 2 855-6606  
3596 Madill L A 3 853-0030  
+ THOREAU AV INTERSECTS  
3602 Mac Neil Sean 855-1883  
3605 Johnston Dennis R 4 859-5552  
3614 Fraser Lon & Karen 3 853-8575  
3617 Dyck Robert V 3 853-5463  
3624 Birchfield Mike J & Brenda 853-8508  
3627 Kuipers Henry & Marilyn 2 855-7578  
3631 Elias M 852-1974  
3632 Gruszczynski Danny 4 852-4559  
3636 Green S J 2 853-7903  
BUSINESSES 1 HOUSEHOLDS 19

**WALKER CRES - FROM 34600 BLK  
MARSHALL RD SOUTH**  
20  
34650 Mayhew Don 3 852-8369  
34660 Nelson Gary C & Leila 3 859-2073  
34661 Penill E A 4 854-3354  
34670 Barr M 832-8959  
34671 Mulder John & Marianne 852-4358  
+ SKYLINE DR INTERSECTS  
34691 Mc Meekind Gary A 2 852-5195  
Fairbairn Mark G 852-5195  
Muscat Christopher J 852-5195  
34694-34709 Not Verified (2 Hses)  
34714 Botkin W D 2 504-0109  
34729 Thornton C 3 852-1802  
34734 Klein Paul 870-0274  
34734 Klein Ehren 852-3888  
34746 Rozsa S 2 859-6442  
34750 Pincott Keith C 2 859-7836  
34752 Not Verified  
34753 Funk Melvin & Mona 3 853-6269  
34756 Wandrei Bud 2 859-5262  
Emery Ron F & Gloria 853-7106  
+ MARSHALL RD INTERSECTS  
HOUSEHOLDS 18

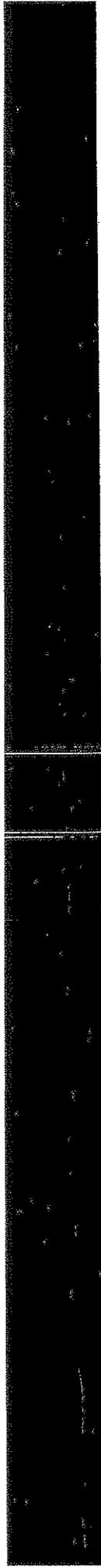
**WALNUT AV - FROM ABBOTSFORD-  
MISSION HWY EAST**  
11A  
33874 Not Verified  
33877 Pool John Jr 3 853-3625  
33879 White Jim & Michelle 3 850-1341  
33887 Green K L 854-5650  
33887 Not Verified  
33897 Fisher Harry 2 853-4994  
33902-33904 Not Verified (2 Hses)  
33907 Richardson A 3 859-4496  
33919 Vacant  
33945 Not Verified  
+ MC CRIMMON DR INTERSECTS  
+ MAPLE AV INTERSECTS  
33986 Not Verified  
33988 Mc Gurk Thomas 3 850-0287  
33993 Not Verified  
+ PRATT CRES INTERSECTS  
+ CAMBRIDGE ST INTERSECTS  
34115 Euverman H 3 556-0324  
+ WOODLAND ST INTERSECTS  
34161 Dykstra A 3 859-0823  
34171 Bowler Harvey & Margaret 2 855-3387

**WALNUT AV**  
34181 Flavell M R 3 859-6162  
Mann Joseph 859-6162  
+ ASH ST INTERSECTS  
+ GREEN BLVD INTERSECTS  
HOUSEHOLDS 18  
**WALNUT ST - FROM 112 RIVERSIDE RD  
NORTHWEST**  
19  
244-286 Not Verified (3 Hses)  
298 Braaten Arden 2 854-3975  
HOUSEHOLDS 4  
**WALSH AV - FROM 2616 WARE ST EAST**  
16A  
33228 MERRY-GO-ROUND KIDS' STUFF  
kids wear  
33233 BAVARIA RESTAURANT 859-3154  
33233c SCOTT MOTORCYCLE 864-0313  
33236 ABBOTSFORD BOTTLE DEPOT  
bottles recycling 853-7770  
33241 COUNTRY WEST CONSTRUCTION  
LTD 852-6868  
ABBOTSFORD PEER SUPPORT FOR  
SENIOR volunteer servs 850-0011  
33241b MISTER ROOTER PLUMBING plmb  
sewer & drain cin 853-9598  
+ ALLIANCE ST INTERSECTS  
BUSINESSES 7

**WALTER RD - FROM WHATCOM RD EAST**  
10A  
REGAL PEAK ESTATES  
36110 SPAFFORDS DECOR INTERIORS  
INC interior design 855-8889  
Spafford T Kevin W & Maureen 2 855-0044  
36111 Taylor L 2 852-6833  
36115 Not Verified  
46116 Federau F 504-0844  
36119 Zeichroeb Bruce I  
36120 Friend Doug 2 864-9767  
36123 Breedveld Arthur 4 852-2525  
Brown M T 852-2525  
36126 Grimson Douglas E 2 864-6155  
36127 Curtis Kevin F & Joan 3 854-1147  
36132 Esau Ken L & Cheryl 850-9027  
36133 Laurie K 2 855-5050  
36140-36142 Not Verified (2 Hses)  
36144 Nickel R 4 864-6400  
36167 Baker F H 852-5056  
36170 Penner Barry G & Annigje A 2 864-0057  
36202 Harworth S 852-4551  
+ CARRINGTON LA INTERSECTS  
BUSINESSES 2 HOUSEHOLDS 17

**WARE ST - FROM 33218 MARSHALL  
NORTH**  
6  
2010 Not Verified  
2020 Sanford S 3 850-7835  
2029 PEACE LUTHERAN CHURCH  
859-5409  
2030 DEERFOOT REVIEW newspaper  
850-6769  
Neville M 3 850-6769  
Pockett E 850-6769  
2040 Olsen Rick R 2 855-4783  
Rose Shannon M 855-4783  
2047 Jeffery L 3 859-2544  
2050 Not Verified  
2055 Ganda Karmjit S 3 850-1839  
2062 Veters Richard A 3 864-0333  
2065 Not Verified  
2067 Parks Don 2 859-7590  
2070 Doering H I 3 859-3237  
Doering Mark F 859-3237  
2075 Kilby C 864-0613  
2077 Kilby John & Margaret 3 859-3786  
2082 Not Verified  
2090 Yarema Mathew 2 854-5012  
2096 Wortley S 2 855-3387

**LOWER FRASER  
VALLEY  
DIRECTORY,  
1970**



**ABBOTSFORD**

**CLEARWATER**

**DIRECTORY,**

**1970**

(1970)

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P.O. BOX 8, ABBOTSFORD

"TESTED



QUALITY"

**TOTEM READY MIX**

**SAND and GRAVEL**

PHONE

**859-5208**

**Beech Av - Contd**

- 31849 Bradley W E @ 859-5900
- 31858 Vacant
- 31860 Occupied
- 31861 Enns J K @ 859-8226
- 31870 Clearbrook Engineering mech design 859-7090
- 31885 Neufeld Abr S 859-8957  
ALDER BEGINS
- 31906 Quiring Rev J H @ 859-4654
- 31907 Voth J H @ 853-2873
- 31918 Degeer J E 853-3516
- 31919 Falk G H @ 859-8254
- 31926 Alford M A @ 859-8742
- 31927 Zacharias C 859-9904
- 31929 Vacant
- 31950 Dyck I @ 853-1204
- 31951 Spent J @ 859-8084  
HOLLY INTERSECTS

**BEECHWOOD AV**

- EAST FROM 33690 WILDWOOD
- 33690 Whitehouse H 853-2563
- 33705 McDonald D B @ 859-5787
- 33708 Neufeld K G 853-3991
- 33719 Paris J H @ 859-8462
- 33726 Gregson J E 853-2059
- 33737 Cromack A @ 859-9555
- 33743 Mentel E J @ 859-7249
- 33750 Coates E S @ 859-5620
- 33753 Ratcliffe E R D @ 859-5408  
LOBBAN INTERSECTS

**BELMONT AV**

- EAST FROM 2645 JANZEN
- 31768 Wiebe Mrs A @ 859-9562
- 31770 Thiessen D 859-7751
- 31781 Richmond L @ 853-1658
- 31794 Dyck B R @ 859-7529
- 31795 Loewen P @ 859-5903

**BERKS ST**

- NORTH FROM 34538 KENT  
ws New House
- 3013 Vodden B 859-8080  
YORK ENDS

**BEVAN AV**

- EAST FROM 2195 EMERSON
- 32712 Anderson P R @ 853-2740
- 32730 Reimer R A @ 859-9058
- 32740 Conroy A D @ 853-2375
- 32752 Schendel Mrs E H @ 859-5856
- 32768 Jory H M @ 859-5512
- 32788 Kullman H G 859-8338  
GLADWIN INTERSECTS

- 32811 Yakoweshen M @ 859-8617
- 32829 Hamm H J @ 859-8891

**Bevan Av - Contd**

- 32848 Bakken A N @ 859-5886
- 32853 Hendy E @ 853-2455
- 32860 Tereposky Mrs E @ 859-8085
- 32904 Occupied
- 32932 Huesdon C H A @
- 32947 Vacant
- 32950 Occupied  
WILDWOOD ENDS
- 32961 Enns Roof 853-1210
- 32961 Enns N J @ 853-1210
- 32969 Janzen B W @ 853-2032
- 32970 Dunlop Mrs M 859-7095
- 32978 Isaaks J carpentry 859-5131

- 32978 Isaaks J E @ 859-5131
- 32981 Rokstad Mrs A @ 859-7454
- 32994 Occupied
- 32995 Zomar J Trkg 853-2314
- 32995 Zomar J S @ 853-2413  
PRIMROSE ENDS

- 33021 McCarthy J 859-5482
- 33022 Unrau G P @ 853-2083
- 33031 Wolfe Mrs E @ 859-9194
- 33036 Fehr H 853-3905
- 33043 Munroe Mrs A 859-5897
- 33047 Niessen W @ 853-2420
- 33050 Cavacace A @ 859-7736  
WILEROSE ENDS

- 33075 Temple E O @ 859-8694
- 33078 Fraser A O @ 853-3693
- 33083 Occupied
- 33095 De Vries D @ 853-1483
- 33106 Ducsay A 859-9587
- 33109 Fuerstenberg Mrs R M @  
853-3250

- 33119 Christianson C E @ 853-2357
- 33129 De Jong S @ 859-4019
- 33130 Godson Elem Sch 853-1833
- 33141 Hildebrand H D @ 859-5779
- 33151 Netsch J @ 859-5311
- 33163 Moore F R @ 859-9737
- 33171 Occupied
- 33181 Zurowski L 859-9260  
WARE INTERSECTS

**BEVERLEY CRES**

- NORTH FROM 34683 OLD CLAYBURN
- 3223 Mageau B L @ 853-3280
- 3241 Young J W G @ 853-3767
- 3242 Borslein S A @ 853-1404
- 3251 Vander Hoek F @ 859-7705
- 3270 Sloboda E A @ 859-4985
- 3280 Carver M E 859-9282
- 3290 Shatford A R @ 853-3439
- 3320 Pelletier A J @ 859-5388

**BINDEN PL**

- NORTH FROM 31870 CORAL  
es New House
- 3061 Charles C E @

**BIRCH ST**

- NORTH ACROSS 34180 DOGWOOD  
CRES
- 2567 Neetz R G @ 853-3285
- 2581 Primrose R A @ 859-9444  
DOGWOOD CRES BEGINS
- 2597 Brown H 859-7303
- 2613 King R V @ 859-9237
- 2623 Dix A @ 853-2810  
HAZEL INTERSECTS

**BIRCH ST (Clearbrook)**

- NORTH FROM 31926 OAK
- 2322 Occupied
- 2331 Schroeder F @
- 2332 Funk Mrs S 859-4465
- 2338 Guika J 859-5307
- 2339 Peters Mrs M 853-2367
- 2348 Kaszonyi J F @ 859-9700
- 2349 Schmor H B @ 853-2994
- 2354 Soloman Mrs A @
- 2367 Rempel H D @ 853-3864
- 2368 Enns A W @ 859-7308
- 2378 Vacant
- 2379 Harder Rev A A @ 859-5392  
PEARLONVILLE INTERSECTS

**BOULDER ST**

- NORTH FROM 32275 DAHLSTROM
- 2931 Regier H @ 853-1574
- 2936 Treichel M L @ 859-7562
- 2941 Tuchscherer L L @ 859-9721
- 2961 Penner D F @ 859-7435
- 2968 Nickel H @ 853-2130
- 2976 Vacant
- 2989 Kurtinacker L 853-3581
- 2992 Thiesen Bernard L @ 859-9645

**BOULT AV**

- EAST FROM 2158 EMERSON
- 32741 Takeuchi M @ 853-3148
- 32763 Occupied
- 32773 Stiles R E @ 853-2621  
GLADWIN INTERSECTS

**BOUNDARY RD**

- EAST FROM 2420 McCALLUM
- 33626 Nelson Mrs V 859-8479  
HOMEVIEW BEGINS
- 33631 Dennis Miss D
- 33640 Henderson Mrs D @ 853-1706
- 33648 Laplante J D 859-7590
- 33655 Gamache E 859-4025
- 33668 Christian Science Soc
- 33669 Chapman Mrs B L 859-8472  
PAULINE BEGINS  
HILLSIDE ENDS



**& INSURANCE**

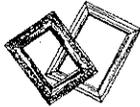
32082 South Fraser Way, Clearbrook, B.C.

Clearbrook Realty Ltd.  
Clearbrook Insurance Agency Ltd.

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**Clearbrook**

**Cedar Av - Contd**

- 34246 Appeldoorn H @ 859-4363
- 34252 Goertzen E E @ 853-3988
- 34258 Martin D F @ 853-3038
- EARL'S CT BEGINS
- 34264 Occupied
- 34272 Fribance G E @ 859-7830
- 34292 Tallman O O @ 859-8149
- 34295 Morris D E @ 859-7858
- ns New House

**CEDAR LANE**

- EAST FROM 2564 CLEARBROOK
- 32025 Occupied
- 32034 Schroeder Mrs A @ 859-5516
- 32040 Thiessen Mrs S @ 859-4148
- 32054 Brandt Mrs E @ 859-5716
- 32055 Kane J T @ 853-2459
- 32062 Warkentin D H @ 853-2189
- 32070 Warkentin A @ 859-9896
- 32088 Bauman A @ 859-9502
- AUBURN INTERSECTS

**CENTENNIAL ST**

- NORTH FROM 31881 UNION
- 270 Konrad P J @ 859-9853
- 2610 Giesbrecht H @
- 2611 Fast J H @ 859-9285
- 2625 Friesen Contrg bldg contrs  
859-4232
- 2625 Friesen A O @ 859-4232
- 2628 Gossen J H @ 859-4438
- 2640 Kasper N @ 859-8177
- 2641 Wiebe G W @ 859-8202
- 2647 Born Mrs K @ 859-9405
- 2652 Maujoka M @
- 2657 Rempel A @ 859-9395
- 2662 Hooge H G @ 859-9406
- 2669 Rempel A W
- 2676 Ratzlaff G P @ 859-8642
- 2679 Lietz Mrs A @ 859-2028
- 2684 Thiessen D C @ 859-9595
- 2702 Driediger D D @ 859-4637
- 2710 Arendt J M @ 859-4339
- 2711 Qualey J E @ 859-5990
- 2718 Janzen H J @ 853-3108
- 2721 Heppner H M @
- 2728 Kroeker Mrs A @ 853-3930
- 2729 Friesen J M @ 853-2314
- OLD YALE RD INTERSECTS
- 2771 Brucks A @ 859-5834
- 2778 Wiebe P J @ 853-3092
- 2781 Zacharias J @ 853-3820
- 2789 Ljashenko H @ 859-9288
- 2798 Lenzmann Rev H @ 859-4924
- 2799 Wiens P H @ 859-9843
- DUCHESS BEGINS
- 2805 Enns H H @ 859-5888
- 2808 Occupied
- 2815 Fisher J E @ 859-8020

**Centennial St - Contd**

- 2808 Block H @ 859-8186
- COUNTESS CRES INTERSECTS

**CENTRE ST**

- NORTH FROM 31800 BLK GLEN-  
WOOD
- BEECH BEGINS
- 2257 Reddicopp L @
- 2261 Goodlad W J @ 853-3205
- 2273 Dyck David @ 853-1356
- 2289 Thiessen J @ 859-9941
- 2315 Harder E bldg contr @ 859-4540
- 2315 Rita's Beauty Salon @ 859-8813
- OAK BEGINS
- 2323 Occupied
- 2333 Preston G R @ 853-3490
- 2343 Rempel P J @ 853-2046
- 2344 Block P C @ 859-9263
- 2353 Baerg R @ 859-9875
- 2353 Siemens A R @ 859-5107
- 2373 Harder J J @ 859-8930
- FOREST BEGINS
- 2425 Occupied
- 2426 Moore C T @ 859-4504
- 2436 Braun D H @ 859-8333
- 2437 Enns A J @ 853-2539
- 2446 Loewen D H @ 853-1547
- 2449 Baerg J @ 853-3235
- 2456 Wilson A J @ 859-7485
- 2459 Siemens Mrs A @ 859-9175
- 2466 Toews S @ 859-4324
- 2476 Johnston E C @ 853-3966
- SOUTH FRASER WAY INTER-  
SECTS

**CHELSEA AV**

- EAST TO 2150 SANDALWOOD CRES
- 33256 Stuart F A @ 859-9428
- 33257 Siska J @ 859-9421
- 33266 Dick Rev E G @ 853-3511
- 33267 Stewart B D @ 853-2650
- 33277 Drew W A @ 859-4634
- SANDALWOOD CRES INTER-  
SECTS

**CHERRY ST**

- NORTH FROM 33695 MARSHALL
- 2020 Trinity Lutheran Ch
- 2045 Fowler D H @ 859-8405
- 2054 Kular S W @ 853-2392
- 2059 Hampel Mrs A @ 853-2077
- MAYFAIR INTERSECTS

**CHESTNUT ST**

- NORTH FROM 34661 OLD CLAYBURN
- 3267 Hicks L R @ 853-1469
- 3232 Lyons Mrs A @ 859-7346
- 3291 Loewen J M @ 859-5081

**Chestnut St - Contd**

- 3295 Rolleman's Constn bldg contrs  
859-4104
- 3296 Rolleman H H @ 859-4104
- 34667 Gossen F J @ 853-2870

**CHURCH ST**

- NORTH FROM 32061 PEARDONVILLE
- 2424 Regier P E @ 859-9811
- 2425 Zacharias Rev J L @ 853-1488
- 2432 Sima Mrs E @ 859-9153
- 2435 Siemens Mrs M @ 859-4169
- 2440 Bergen Mrs H W @ 859-5172
- 2441 Dyck H @ 859-8115
- 2445 Bergen E @ 853-1774
- 2449 Neufeld J @ 859-5078

**CLARKE DR**

- NORTH FROM 33750 BUSBY
- 2282 Tretbewey J O @ 853-2648
- 2283 Hougan A I @ 853-2510
- 2295 Patterson A H @ 853-2099
- 2298 Miller Mrs M L @ 853-2410
- 2311 Webster F C @ 853-1726
- 2314 Perry C P @ 853-1931
- 2319 Thiessen J I @ 853-2845
- 2326 D'Andrea A @ 853-3657
- 2327 Battistoni C F @ 853-3124
- 2335 Jones M D @ 853-6156
- 2336 Calland Rev N @ 853-2416
- 2346 Gregory Rev J H @ 853-2154
- 2347 Imhan R B @ 853-1500
- 2355 Harder I J @ 859-5662
- 2358 Hapiuk N @ 859-9014
- 2369 Groothof L @ 859-9495
- 2370 Kraft J G @ 859-8926
- 2393 Tucker M @ 853-2688
- BOUNDARY INTERSECTS

**CLEARBROOK RD**

- NORTH FROM 31943 KING
- 1630 Dick A A @ 859-4560
- 1648 Wiebe W @ 853-3692
- 1649 Bennett F C @ 859-9717
- MARSHALL RD EXTENSION ENDS
- 1709 Occupied
- 1733 Loewen A @ 859-9389
- 1736 Veer W J @ 859-4585
- 1745 Okkerse T H masonry constr  
859-9235
- 1762 O'Brien D L @ 859-5327
- 1772 Weir N W @ 853-3440
- 1789 H & H Trailer Sales & Rentals  
853-2894
- 1789 Hildebrandt H J @ 853-2894
- 1794 Vacant
- NOT OPENED THROUGH
- 1806 Rawleigh Prods @ 859-8323
- 1806 Toews W F @ 859-8323
- 1882 Isaac H P @ 859-8551

**Clearbrook Drygoods, Ready-To-Wear and Fabric Centre**

CLOTHIERS FOR THE ENTIRE FAMILY — DRY GOODS — FABRICS

**32031 SOUTH FRASER WAY**

**PHONE 853-1361**

**CLEARBROOK**

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Real Estate and Land Development - Mortgages - Appraisals - Insurance - Sub Division Specialists

2467 PAULINE ST.

PHONE 853-1151

ABBOTSFORD

## Clearbrook Rd - Contd

1824 Bergen Mrs K @ 859-4002  
 1858 Matties H @ 859-5739  
 MARSHALL RECOMMENCES  
 JOYCE BEGINS  
 2085 Lescheid W 859-7379  
 2095 Friesen Equip farm equip  
 859-7644  
 2121 Wiebe J @ 853-2435  
 2132 Itcush Mrs P @ 859-4557  
 2139 Occupied  
 2153 Vacant  
 2166 Dueck J A @ 853-2942  
 2175 Thiessen J R 859-8842  
 2182 Rempel G J @ 859-9780  
 2194 Friesen D D 853-1576  
 2197 Lark Mtrs serv sta 853-3815  
 MELMAR BEGINS  
 2211 Fleming J J @ 859-8581  
 2231 Lawson B J 859-7839  
 2245 Occupied  
 2276 Manley E W @ 859-8336  
 2285 Bakerview Mennonite Brethren  
 Ch 859-4611  
 FIR BEGINS  
 2310 Vacant  
 2311 Whitmore P 859-4164  
 2328 Bergen Mrs T @ 853-1631  
 2331 Shroeder Mrs T @ 859-9775  
 2339 Derksen Dr W H @ 853-3115  
 2349 Goerz J @ 859-5198  
 2359 Sawatzky Mrs A @ 859-8277  
 2360 Wiens J J @ 859-7872  
 2369 Dyck Miss M  
 2372 Andres W G @ 853-3415  
 2377 Epp G P @ 859-9596  
 PEARDONVILLE INTERSECTS  
 2410 Pankratz Mrs J @ 859-4487  
 2411 Ferns Beauty Nook beauty salon  
 859-4914  
 2420 Krahn I I @ 859-8650  
 2421 Occupied  
 2430 Martens Mrs S @ 853-1891  
 2431 Reimer Rev B D 859-7241  
 SUNRISE CRES BEGINS  
 2440 Krahn Mrs M @ 859-8174  
 2448 Buhr Mrs A 859-5914  
 2455 Warkenten A @ 859-8520  
 2458 Occupied  
 2466 Baxandall J @ 859-4908  
 PINEVIEW BEGINS  
 2467 Block Mrs K @  
 2486 Peters Mrs K @ 859-8929  
 2487 Friesen D A @ 853-2305  
 SUNRISE CRES ENDS  
 2494 Advance Htg @ 859-7261  
 2497 Hildebrand Mrs M @ 859-4162  
 2500 D&D Constn bldg contr 859-8267  
 2500 Dyck A A @ 859-8267  
 2502 Laudromat  
 2502 Huffman J  
 2502 Epp J  
 2502 Friesen D

## Clearbrook Rd - Contd

2507 Schmidtke C @ 859-7025  
 2508 Enns I G A Foods  
 2516 Occupied  
 HILLCREST BEGINS  
 2519 Occupied  
 2529 Occupied  
 2539 Rogalsky H J @ 859-5508  
 2539 Schmidt A D @ 859-8229  
 2540 Friesen Mrs M @ 853-2704  
 2548 Kopp P P 859-5593  
 2549 Loewen F F @ 859-4055  
 CEDAR LANE BEGINS  
 2569 Heppner J @  
 2577 Vacant  
 2579 Valley Taxidermy & Fibreglass  
 859-4740  
 2580 Filter Queens Sls vacuum clnrs  
 859-8430  
 2580 Wallace D H 859-4939  
 SOUTH FRASER WAY INTERSECTS  
 2611 Laundromat  
 2613 Vic's Barber Shop 859-6240  
 2615 Marshall Wells Plaza Hdw  
 859-5612  
 2627 Penner's Pharm 853-2421  
 2631 Can Imperial Bank 853-3344  
 2635 Heppner Jwlr 859-4016  
 2639 Clearbrook Food Centre 853-2310  
 2640 Vacant  
 2642 4 Giddings M E 853-1368  
 2651 Neufeld Mrs E J @ 853-1432  
 2665 Epp D D P 859-8379  
 2672 Wiens J A @ 859-8865  
 DUECK ENDS  
 2682 Schmor Miss C 853-1038  
 2689 Harder H  
 2691 Tieszen A H @ 859-8841  
 2693 Letkamen Mrs H @ 853-1945  
 2694 Mielke F @ 853-1884  
 NOBLE BEGINS  
 2704 Enns Mrs S B @ 859-9212  
 2716 Buller Mrs H @ 859-9822  
 2728 Brandt J K @ 859-9822  
 2736 Sukkau J A @ 859-4190  
 2758 Gyuricza E @ 853-1066  
 OLD YALE INTERSECTS  
 2770 Neufeld M L piano tchr @  
 859-5388  
 2700 Neufeld W R violin tchr @  
 859-5388  
 2780 Wiens Mrs H @ 859-5389  
 MT WADDINGTON BEGINS  
 2794 Derksen J J @ 853-2402  
 2808 Brown J I @ 859-4273  
 2816 Wiens H J @ 859-9547  
 2826 Peter's B B @ 859-9959  
 2834 Hodel Miss O R @ 859-7042  
 2836 Gutwin Miss H 859-4978  
 TIMS BEGINS  
 2844 Peters C N @ 853-2179

## Clearbrook Rd - Contd

2855 Occupied  
 1 Stonehouse R 859-7273  
 2 Woloschuk D 859-9593  
 3 Dyck E C bldg contr 859-4561  
 4 Regier P  
 2860 Nickel Mrs M @ 859-4561  
 2873 Zurowski H C @ 853-3620  
 2876 Stralut E 853-2348  
 2882 Paetkau Miss M @  
 2890 Reimer H G @ 859-5319  
 HOPEDALE ENDS  
 DAHLSTROM BEGINS  
 2901 Wiebe Mrs C 853-3596  
 2911 Niessen P 853-2980  
 2940 Mennonite Brethren Bible Inst  
 sch 853-3358  
 2940 Mennonite Brethren Mission of  
 BC 853-3358  
 2940 Mennonite Brethren Christian  
 Educ Ofc 853-3358  
 2940 BC Conference of Mennonite  
 Brethren Churches 853-3358  
 2944 Schmidt G 859-8102  
 2953 Occupied  
 2972 Belton T  
 2985 Braun G @ 853-3865  
 2992 Braun N @ 859-9660  
 CORAL ENDS  
 3019 Unruh J W 859-9301  
 3026 Schierling J 853-2936  
 3035 Suderman H J 859-5849

## COMMERCIAL ST

NORTH TO 32547 SOUTH FRASER  
 WAY

2629 Ace Hydraulics mach shop @  
 859-4442

2649 Occupied

SOUTH FRASER WAY INTERSECTS

## CONWAY PL

SOUTH FROM HIGGINS

## CORAL AV

EAST FROM 2953 PRINCESS

31796 Stelling H E @ 859-7768

31798 New House

31800 New House

31802 New House

31804 New House

CASTLE CT BEGINS

ROYAL ENDS

CLEARBROOK INTERSECTS

## COUNTESS CRES

NORTH FROM 31876 OLD YALE

2626 Wiebe D P @ 853-1787

2627 Reimer J A @ 853-2328



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32611 South Fraser Way

PHONE 859-5264

Abbotsford

### Countess Cres - Contd

- 2730 Occupied
- 2769 Occupied
- 2785 Pauls H D @ 859-5042
- 2795 Rempel J I @ 853-2313
- 2805 Hooge H P @ 853-2412
- 31838 Ewert J J @ 853-3428
- 31847 Boldt P H @ 853-3588
- 31857 Riediger Mrs S @ 853-2078
- 31869 Martens J R @ 853-2070
- 31878 Derksen Mrs S @ 853-3557
- 31879 Ratzlaff - @ 859-8810
- 31888 Goosen J P @ 859-8197
- 31889 Martens Mrs F @ 859-4980
- 31909 Thiessen A I @ 859-9694
- 31910 Dyck P J @ 859-5048
- 31910 Martens N
- 31919 Klassen Mrs K C @ 859-5623

VICTORIA INTERSECTS

### COUNTRESS ST

- NORTH FROM 31893 UNION
- 2640 Jantzen W 853-1652
- 2651 Wiebe J A @ 859-8541
- 2654 Konrad J @ 859-7855
- 2663 Schroeder W D @ 853-2382
- 2666 Giesbrecht J J @ 853-1791
- 2666 Martens A 853-3876
- 2673 Schmidt P @ 859-4603
- 2678 Doerksen G H @ 859-9057
- 2683 Konrad G A @ 853-2859
- 2690 Suderman P E @ 853-3989
- 2693 Doerksen Mrs K @ 859-5012
- 2702 Voth H A @ 859-7501
- 2709 Pauls N H @ 859-9983
- 2710 Warkentin J J @ 853-1896
- 2710 Orendt J
- 2720 Klassen H B @ 853-2063
- 2729 New House
- 2730 Redekop I J @
- 2731 Froese Mrs K
- 2769 Kran J @ 859-9692

OLD YALE INTERSECTS

### CRESCENT WAY

- NORTH ACROSS 33483 CANNON
- 2329 Abbotsford Sr Secondary Sch 853-3367
- 2360 Nelson Miss F O @ 853-2409
- 2391 Upper FV Health Unit 859-5215
- CANNON BEGINS
- 2405 Heron E H @ 859-9381
- 2413 Easterbrook R C @ 859-5375
- 2421 Lloyd G N @ 859-5846
- 2427 Heke R W @ 859-8103
- 2435 Smith R C 859-9460
- 2441 Szalay C @ 859-9748
- 2442 Strachan R @ 853-1877
- 2449 Gilmour Mrs M @ 853-3266
- BRAUN BEGINS
- 2451 Ready G 853-1301

### Crescent Way - Contd

- 2459 Williams E E 853-1382
- 2469 Iorio P @ 859-5017
- 2475 Papp Mrs R @ 859-9056
- 2483 McCallum J @ 859-5590
- 2491 Dalke R 859-7861

SWITZER INTERSECTS

### CYPRUS ST

- EAST FROM 2469 MONTROSE
- 33771 Occupied

MONTVUE INTERSECTS

### CYRIL ST

- NORTH FROM 2365 BECK
- 34375 Hiemstra H 859-8627
- 34339 Bell W C @ 853-2169
- 34337 Griffin R W 859-7746
- 34285 Bell Mrs A C @ 853-2572
- 34277 Jones Mrs E G F 859-9163
- 34219 Serl R R @ 859-9739
- 34213 Straiton J E R 853-2093
- 34207 Occupied
- 34205 Loewen C 853-3184
- 34201 Riedlinger A A 859-8488
- 34183 Dionne K E @ 859-8241
- 34165 Luesley H A @ 859-8329
- 34161 Rempel H B D @ 853-2542
- 34080 Surrey Co-op Feed Mill 859-5221

- 2513 Hartco Mach & Fiberglass @ 853-3731

- 2517 Occupied
- 2521 Coronation S
- 2531 Occupied
- 2541 Lindquist Mrs E 859-9006
- 2542 Surrey Co-op @ 859-5221
- 2549 Zurowski Mrs R M @ 853-1052
- 2559 Kish M 859-9379
- 2570 Hacker Press
- 2584 Credit Union (Abbotsford) 853-3317

- 2584 Fraser Valley Savings Credit Union 853-3317

ESSENDENE INTERSECTS

- 2626 Young H R 853-1912
- 2631 Croisdale Constn genl contrs 853-2635
- 2631 Croisdale E H @ 853-2635
- 2633 Csaki B @ 853-1318
- 2634 Akins T 859-8956
- 2644 Baker J @ 853-6046

HAZEL INTERSECTS

### DAHL CRES

- EAST FROM 1828 McKENZIE
- 1825 Occupied
- 1829 Dahl I @ 853-1270
- 1833 Craig R G @ 853-1917

### Dahl Cres - Contd

- 1839 Mungall R @ 853-3102
- 1849 Norton D F @ 859-4493
- HEATHER BEGINS
- 1857 Leech H J @ 859-7801
- 1863 Van Baalen J A @ 853-3803
- 1866 Swain W E @ 859-4416
- 1869 Verna's Beauty Salon 853-2048
- 1869 Johnston H D @ 853-2848
- 1875 Schellenberg D @ 859-8981
- 1881 Harter D C @ 859-8040

MARSHALL INTERSECTS

### DAHLSTROM AV

- EAST FROM 2890 CLEARBROOK
- 32034 Neufeld Miss A @
- 32038 Vacant
- 32044 Vacant
- 32051 Stobbe B G 853-2897
- 32052 Pauls H F @ 859-5358
- 32057 Krause A @ 859-5933
- JOAN BEGINS
- 32076 Koehn J @ 853-1031
- 32088 Klein Mrs K @ 853-2833
- 32095 Klassen H I @ 859-4590
- 32110 Clearbrook Elec elec contr 859-9565
- 32110 Peleshytyk R J 859-9565
- 32112 Ecclestone J 853-6030
- 32118 Kingsma S drywall contr @ 853-3778

- 32121 Vacant
- 32132 Tiegen M 853-3043
- 32133 Plett H J @ 859-4692
- 32141 Rempel P J @ 859-5304
- 32142 Friesen Mrs A @ 859-5393
- 32149 Doerksen J @ 859-5520
- 32152 Warkentin L L 859-7804
- 32154 Froese E W
- 32161 Krahn P W @ 859-7545
- 32162 Carlson E C
- 32171 Wetsch A @ 859-5845
- TIMS CRESEnds
- 32182 Wiebe J D @ 853-2045
- 32201 1 McKay D 859-9438
- 2 Crape W A 853-2716
- 32208 Occupied
- 32221 Vacant

PARK ENDS

- 32260 Boonstra W W 853-2960
- 32261 Neufeld E 859-4124
- BOULDER BEGINS
- 32275 Thiessen B @ 853-3766
- 32286 Friesen D 853-3236
- 32307 Mierau Mrs M K @ 859-9974
- 32319 Forsythe R L -
- 32341 Letkeman H @ 859-5469
- 32342 Pauls H H @ 859-5398
- 32363 Isaac H @ 859-9290
- 32387 Hauer A H @ 859-7832

TRETHERWEY INTERSECTS

# R. A. BROWN AGENCY LTD.

REAL ESTATE

MORTGAGES

FIRE INSURANCE

2613 PAULINE STREET

ABBOTSFORD

PHONE 853-2405

(1970)

# INSURANCE ABBOTSFORD BROKERAGE

2585 McCallum Road, Abbotsford



# MORTGAGES & REALTY CO. LTD.

Phone 853-2271

**JASPER ST**  
NORTH FROM 32371 ROSSLAND  
2606 Timmerman R 853-3995  
2608 Friesen A J 859-7591  
2613 Taylor T R  
2613 Knelson J 853-2133  
2618 Kirschning S 859-7334  
2620 Hippisley Mrs J 859-8732  
2626 McCutcheon W D 859-4291  
2628 Gardner F I 859-7532  
2643 Epp P 853-6158

**JOAN ST**  
NORTH FROM 32067 DAHLSTROM  
2909 Hall F  
2910 Penner J G 853-3147  
2929 Folster C J 859-8778  
2930A Lawrence P O  
2930B Estok Mrs R M 853-3021  
2938 Schawer H 853-1292  
2939 Klassen J R 853-3505  
2950 Fast T A 859-7036  
2958 Janzen A 853-3592  
2961 Letkeman Mrs K 859-5178

**JOYCE AV**  
EAST FROM 2132 CLEARBROOK  
32024 Almond G S 859-7788  
32031 Loewen F C 859-8503  
32034 Fast A 853-2910  
32044 Fik Miss W 853-1458  
32055 Martens A 859-8427  
32065 Thiessen D 859-5985  
32075 Braun G A 859-7500  
32076 Baron M 859-9730  
32086 Bergen H G 859-9553  
32087 Unruh N 859-4354  
32096 Wieler N C 859-4933  
32111 Leukefeld S 859-7425  
32112 Epp W 853-3667  
32122 Swanson A D 853-3743  
32132 Rempel I G 853-3802  
SHERWOOD CRES BEGINS

**KEATS ST**  
NORTH FROM 1700 SHELLEY  
1702 Billington K  
1711 Klassen C E 853-3229  
1712 Grywinski P S  
1721 Leyen D 859-9609  
1730 Dyck F P 853-3830  
1732 Boldt W 853-3950  
1743 Quiring J bldg contr 859-8256  
HAWTHORNE INTERSECTS

**KENT AV**  
EAST FROM 2970 IMMEL  
34432 Fenton Mrs J L S 853-3474  
34433 New House

**Kent Av - Contd**  
34443 New House  
34448 McLean A A 853-3929  
34453 New House  
34458 Doerksen L A 859-5124  
34463 New House  
34468 Sperling D W 853-1457  
34473 New House  
34478 Killoran G A 853-1793  
34488 Ellis A 859-8265  
34498 Elsenheimer L J 859-4463  
34508 Gillberg H 859-5896  
34518 Liboiron R M 859-7434  
34538 Hildebrandt P A 853-3570  
BERKS BEGINS

**KING CRES**  
NORTH FROM 33800 BLK KING  
1625 New House  
1627 New House  
1629 Isaak W 853-1438  
1631 Wiebe J 859-8514  
1632 Occupied  
1639 Sutherland G G 859-4423  
1649 McPherson M H 859-7058  
1650 Williams J E 853-2818  
es New House  
McKENZIE INTERSECTS

**KING RD**  
EAST FROM 1600 TOWNLINE  
ss West Abbotsford Mennonite Ch 859-8181  
31215 Janzen L H 853-1803  
31250 Bethel Bible Inst 859-5586  
31250 Poettcker J 859-8129  
31250 Schmidt G C 853-2515  
31286 Thiessen W P 853-1028  
31325 Dyck J G 859-5604  
31351 Hildebrandt Mrs A 859-8051  
31381 Neufeld J 859-9409  
31433 Dave'd Heating 853-2808  
31433 Regier D 853-2808  
31442 Buhr A 859-8121  
31453 R E G Roofers 859-4081  
31453 Davis R 859-4081  
31488 Embree R G 853-3522  
FOY BEGINS

31534 Dueck C F 853-2856  
31602 Knight W J 859-5453  
31698 Reimer J P 859-8852  
31740 Suderman H V 859-9493  
31787 Nodecker P K 853-2852  
31804 Occupied  
31809 Rempel G A 859-8698  
31839 Hamm H  
31894 Occupied  
31943 Ens R C 859-8908  
CLEARBROOK BEGINS  
32030 King Mennonite Brethren Ch  
32051 Hunstad G L 859-4077

**King Rd - Contd**  
32096 Peters V A 859-7594  
32105 Sawatzky H 859-4205  
32146 Foth B 859-4909  
32195 Koop R 853-2862  
32204 Keeler W J 859-8804  
32220 Foth E F 853-1785  
32226 Occupied  
32236 Nickel W J 859-8847  
32267 Goetz K 853-3934  
32267 Friesen J  
32269 New House  
32345 Rez A 859-8763  
32352 Hooge G G 859-8995  
32409 Davies C J 859-5963  
32414 Kristoff A F 859-9259  
32425 Sawatzky C W 859-9924  
32460 Thompson W 853-1850  
32460 Zacharias A H 859-7854  
32483 Walter F 859-5057  
32515 Unruh O 853-3048  
32538 Block Bros Constn 859-3720  
32538 Block D J 859-5720  
32586 Bileske B 859-7400  
32623 Inside Outside Bldg Cng Servs 853-3763  
32623 Farkas S 853-3763  
32679 Lentzmann W 853-2148  
32709 Pilla J  
32716 Vandenberg R 859-5928  
32717 Thiessen B F 859-8942  
GLADWIN INTERSECTS

32870 Star Kimberchiks  
32870 Sanders Poultry Farm 853-2913  
32905 Driediger H W 859-4489  
32926 Boreham J O 859-4547  
32965 Peters N 853-3489  
ns Jackson Elem Sch 859-5826  
JACKSON BEGINS  
33239 Kelly D A 853-2783  
33261 Flood Mrs A 853-2020  
33271 Sargeant W H 853-3185  
HIGHVIEW BEGINS  
33329 Occupied  
33379 Greer L N 859-9732  
33409 Mitchell R M 859-8053  
33411 Barrett Mrs D 853-1521  
FRANKLIN BEGINS  
33445 Brient J C 853-1566  
33447 Occupied  
33457 Wenman D E 859-4231  
33459 Bertrand L J 859-4734  
33477 1 Brucker A 853-1846  
2 Lamb G R 853-2403  
33481 3 Davidson M 859-7228  
33506 A F Pimbg contr 859-9529  
33506 Fussl A 859-9529  
33511 Kingma J 859-4395  
33535 Neufeld D M 859-8278  
33536 Marshall J L 859-4071  
33545 Kooy P 859-8054  
33547 Unger D 853-1688

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# M. S. A. MOTORS LTD.

THE HOUSE OF SINCERE SERVICE

33033 South Fraser Way

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Abbotsford

## Mt View St - Contd

2795 Olson E 853-1882  
2812 Holden Mrs I 853-3933  
2871 Cook A @ 853-2576  
2891 Suter Miss E M @ 859-5330  
LAURNELL CRES ENDS

## MT WADDINGTON AV

EAST FROM 2780 CLEARBROOK  
32021 Block J J @ 859-8947  
32024 Friesen Mrs A @ 859-9758  
32029E Occupied  
32029W Baerg C J 853-3135  
32033N Derksen G G 859-7370  
32033S Wall J W 859-7822  
32034 Nickel R H 853-2181  
32037 Woolsey J I 859-8442  
32041 Janzen A A @ 859-8436  
32044 Baerg Mrs J @ 859-5748  
32050 Vacant  
32051 Loopp J J @ 853-1868  
32059 Voth J C @ 853-1889  
32060 Klassen Mrs M F 859-9897  
32065 Bartel D @ 853-2836  
32070 Janzen T Mrs @ 859-5795  
32073 Peters J W @ 859-8089  
32080 Spanyor P @ 859-4570  
32081 Warkentin G F @ 859-5384  
32088 Kasper H @ 859-8268  
32089 Quapp D J @ 859-9839  
32094 Teichrob D J @ 859-8224  
32097 McDonald C T @ 859-7533  
32100 Enns J J @ 859-4528  
32105 Quapp T @ 859-4678  
32110 Koop J J @ 859-9916  
32115 Martens P W @ 859-8751  
32120 Unruh M K @ 859-5371  
32127 Peters J W @ 853-3101  
32147 Enns I @ 853-2829  
32150 Prevost H @ 859-9646  
32157 Schroeder P @ 853-2715  
32162 Borg Mrs S 859-4254

## NELSON RD

EAST FROM 2873 HORN  
33090 Wakefield Mrs M V @ 853-2631  
33110 Muligan D @ 853-2602  
33123 Britten C M @ 859-4706  
33126 Gray H L @ 859-5645  
33140 Hardy N A @ 859-8688  
33141 Hunt A L 853-3843  
33151 Pfister E U 859-8141  
33166 Royal Welcome welcome serv  
859-9487  
33166 Leoppy B @ 859-9487  
33167 Hodges -  
33179 Blom G @ 853-2984  
33214 Dykstra E @ 859-7807  
33223 Haveman Mrs E @ 859-9883  
33228 Occupied

## Nelson Rd - Contd

33233 Gahwiler R @ 859-4950  
33244 Mickelow P @ 853-2777  
33249 Driediger C C @ 853-2744  
33252 Sandstrom A H @ 859-5820  
33262 Dickie G R 859-7809  
33281 Molnar L J @ 859-4591  
33289 New House  
33291 Gibson J R @ 859-9574  
33310 Horvath Mrs P @ 859-4131  
FULLER ENDS  
33316 Bourquin SH 859-5068  
33321 Raap T drywall contr @  
859-8965  
33322 Moore T L 859-5436  
33338 Murphy J A @ 853-2593  
33343 Vacant  
33353 Stephan Mrs C 859-4509  
33356 Hendricks V 853-2362  
33364 Boyd Mrs L @ 859-8836  
33370 Cheesworth S C 859-5883  
BABICH BEGINS  
33372 Ward R bldg contr @  
33379 Healey F R @ 859-8088  
33382 Sommergeld Mrs C @ 859-5768  
33392 Klassen M 853-2101  
33393 Yelnich B @ 859-4220  
33406 Blinch W C @ 853-2109  
33411 Grey D 853-2183  
33416 Summers J @ 859-8027  
33426 Gough Mrs M @ 853-1814  
33431 Occupied  
33436 Sawatzky J F @ 859-5609  
33442 Stone Miss L E @ 859-4074  
33448 Moore G 853-2941  
33456 Dirksen G R 853-3448  
33462 Leland F C @ 853-2732  
33463 Franzen Mrs G @ 859-9122  
33466 Holloway A W 853-2024  
33468 Dewdney D A 853-2144  
33470 Blatchford D O 853-3623  
33471 Mark J @ 853-2425  
33472 Haveman G  
33474 Romansky R J  
33476 McTaggart B G 859-7484  
33481 Loewen M P @ 853-3758  
33484 Anderline Mrs M  
33489 Bennett Mrs O J @ 859-8489  
33512 Boris M @ 853-2195  
33522 Ronney L @ 859-8739  
33544 Evans R H @ 859-8876  
33545 Elliot Rev A L @ 859-9022  
33564 Sandberg Mrs H @ 859-8049  
33564 2 Friesen Mrs H 859-2592  
33571 Davcy W E @ 853-1374  
MT VIEW BEGINS  
33598 Janzen H @ 859-4149  
McCALLIM INTERSECTS

## NOBLE AV

EAST FROM 2704 CLEARBROOK  
32019 Schmidt D D @ 859-8245

## Noble Av - Contd

32025 Warkentin R D 859-7490  
32031 Heppner H H 859-7851  
32039 Klassen A R C @ 853-1063

## OAK AV

EAST FROM 2323 CENTRE  
31816 Doerksen R H @ 853-2327  
31824 Friesen A @ 853-3146  
31825 Block Bros bldg contr 859-5558  
31825 Block H @ 859-5558  
31837 Redekop H @ 859-7084  
31849 Wieler C K @ 859-8784  
31860 Enns R J @  
31862 Vacant  
31884 Peters P J @ 859-5803  
31889 Tower E  
31891 Johnson H O 859-7849  
ALDER INTERSECTS  
31894 Wiebe E E 859-4736  
31904 Hambly E C @ 859-8917  
BIRCH INTERSECTS  
31926 Penner P S @ 859-9419  
31936 Janzen Miss N @ 853-1868  
31950 Boese Reichardt & Boese  
pntg contrs @ 853-1088  
31950 Boese D @ 853-1088  
HOLLY INTERSECTS  
31966 Woelk J H 859-4979  
31980 Goertzen P @ 859-4402  
CLEARBROOK INTERSECTS

## OLD CLAYBURN RD

EAST FROM 2867 ASH  
2867 Talbot A A 859-5308  
2881 McNeil E J @ 859-9789  
2886 Switzer L M @ 859-8151  
2918 Whiting R B 853-1245  
2921 Micrau H A  
2931 Braun A @ 859-8348  
2945 Heppner Mrs E @ 859-9648  
2979 New House  
2980 Lister R S @ 859-8317  
2989 Cook E @ 853-3602  
2990 Evergreen Gro 859-9629  
2990 Tessaro F 859-9629  
IMMEL INTERSECTS  
YORK BEGINS  
3006 Hoover D G 853-1804  
3023 Nonie's Beauty Salon 853-3981  
3023 Brandes A D @ 853-3981  
3033 Veldstra A 859-5018  
3043 Cook R A @ 859-5921  
3053 Johnstone D D @ 859-4308  
3060 Margt Stenersen Elem Sch  
859-4228  
3063 Johnson D  
3067 Occupied  
3077 Wallace J E 853-3246  
DORSET CRES BEGINS  
3103 Munro J W @ 859-9141



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Clearbrook, B.C.



(1970)

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32611 South Fraser Way

PHONE 859-5264

Abbotsford

### Peardonville Rd - Contd

- 32445 Wiebe I 853-3852
- 32446 Graham W @ 859-8889
- 32450 Vacant
- 32464 Rabbitt T P @ 859-8593

#### CASCADE ENDS

- 32514 Atsma W @ 859-4386
- 32553 Boldt D @ 853-3096

#### RIDEAU BEGINS

- 32584 Graham W R @ 853-2761
- 32585 Occupied
- 32606 Martens H H @ 853-2677
- 32611 Schwartz A A E @ 859-8597
- 32620 Thiessen J @ 859-8314
- 32646 Fraser Valley Constn Ltd @ 859-9031

- 32646 Enns J H @ 859-9031
- 32647 Harder G V @ 859-4340
- 32653 Dyck T @ 859-8549
- 32656 Jago E P @ 859-9847
- 32677 Dyck Mrs J @

EMERSON INTERSECTS  
GLADWIN INTERSECTS

### PEARL AV

- EAST FROM 2919 IMMEL
- 34421 Miller G 853-3409
- 34422 McIntee S H @ 853-3967
- 34423 Farrer R J 859-7381

### PINE ST

- EAST FROM 2961 CEDAR
- 33765 Can Refractories bricks @ 859-5288
- 33766 Occupied
- WEST RAILWAY ENDS  
NOT OPENED THROUGH
- GLADYS INTERSECTS
- 33860 Masonic Hall
- 33865 Neil's Carpet Installation 859-4201
- 33865 Wall N @ 859-4201
- 33871 Smith F H @ 859-9098
- 33881 Andress D M 853-6009
- 33886 Abbotsford Elem Sch 853-1408
- 33887 Paynter V C @ 859-8452
- 33897 Connor T @
- 33903 Lupuliak Mrs M @ 853-1836
- 33908 Borg B E @ 859-5647
- 33913 Holtsbaum Mrs L @ 853-1228
- 33916 Clarey F H @ 853-2439
- 33921 Mortimer S L @ 853-2756
- 33926 Pauls R D @ 859-4257
- 33927 Taylor G @
- 33934 Middleton T @ 859-7426
- 33935 Eckhardt G @ 859-4730
- 33951 Valley Vacuum Clnr & Plshr 859-8395
- 33951 Columbus W L 859-8395

### Pine St - Contd

- 33952 Philip Sheffield Elem Sch 853-1938
- MAPLE BEGINS

### PINEVIEW AV

- EAST FROM 2466 CLEARBROOK
- 32025 Thielmann J 859-4121
- 32032 Langeman P C @ 853-1540
- 32033 Peters K @ 859-9505
- 32035 Hastings Mrs R 853-1328
- 32040 Konrad A H @ 859-5956
- 32041 Knelsen Miss M @ 859-9886
- 32046 Penner C C @ 859-8455
- 32053 Krause D @ 853-1069
- 32056 Smith R W @ 859-5365
- 32062 Gerbrandt J H @ 859-8816
- 32063 Loeffler Mrs M @ 859-8958
- 32070 Vogt J D @ 859-4633
- 32071 Plett C
- 32078 Occupied
- 32079 MacLean W A @ 853-1037
- 32086 Dyck J P 859-5164
- 32087 Bergen Mrs J @ 859-8047
- 32094 Hildebrandt J G @ 859-9423
- 32095 Orr R A @ 859-9147
- 32104 Rempel Mrs N @ 859-4202
- 32109 Block Miss Mary @ 859-4983
- 32122 Paetkau W @ 859-7336
- 32123 Wagner W 853-1513
- 32134 Regier C I 853-1036
- 32135 Ewert P F 859-5340
- 32150 Wiebe I 853-3707
- 32151 Vogt Mrs A @ 859-4001

#### PARKVIEW INTERSECTS

- 32195 Howard K T @ 859-4267
- 32203 Dyck J J @ 853-2957
- 32204 Friesen Mrs A @ 859-8116
- 32214 Isaac Mrs K 859-5093
- 32217 Giesbrecht H @ 859-4739
- 32224 Cantwell M 853-3274
- 32225 Braun P 859-4351
- 32235 Letkeman J H 853-2469
- 32232 Cornies W W @ 853-3030
- 32235 Letkeman J H @ 853-2469
- 32243 Hintz C @ 853-2944
- 32244 Clark F C @ 859-5705
- 32250 Olson R C @ 859-9591
- 32251 De Fehr F 859-8692
- 32261 Campbell M J 859-7879
- LYNDEN INTERSECTS
- 32306 Occupied
- JAMES INTERSECTS

### PLAXTON AV

- EAST ACROSS 2400 BLK WARE
- 33229 Yuhas G @ 859-8264
- 33241 Pollock Rev R M @ 853-2615
- 33242 Hiebert H @ 853-1528
- 33252 MacKinnon D A @ 859-8294

### Plaxton Av - Contd

#### WARE INTERSECTS

- 33255 Buchanan J A @ 853-2393
- 33262 Otten R G @ 859-8595
- 33265 Rode A W 859-5333
- 33277 Kuna D M @ 859-8381
- 33291 Patterson B 859-7447
- 33303 Kroeker J W @ 859-8128
- FARRANT CRES ENDS

### PRATT ST

- NORTH FROM 33923 WALNUT
- 2814 Peacock W H @ 859-4285
- OXFORD BEGINS
- 2827 Cundiff Mrs I 853-1439
- 2835 Oss N @ 859-7033
- McCRIMAON INTERSECTS
- 34031 Pratt Rev Canon G E @ 853-2583
- 34031 Potter G L 859-4573
- 34077 Pederson L E @ 853-1589

### PRIMROSE ST

- NORTH FROM 33020 MARSHALL
- 2042 Schneider A @ 859-5351
- 2043 Krause D J @ 853-2540
- 2053 Lewis Mrs C @ 853-3276
- 2061 Engdahl A V @ 853-3837
- 2062 Vacant
- 2071 Ahearn J T @ 859-7092
- 2081 Behl E @ 859-8641
- 2091 Lambert C C @ 853-2301
- BRUNDIGE INTERSECTS
- 2110 Rogers S J
- 2126 Quinville R W @ 853-3172
- 2127 Stephenson Mrs F @
- 2136 Ross W J @ 859-9540
- 2137 Hudson M @ 859-5515
- 2152 McNally A I D @ 859-4906
- 2153 Kehler C P @ 853-2647
- 2162 Molnar K D @ 853-3691
- 2163 Occupied
- 2172 Martens E @ 859-8066
- 2173 Dullaard P @ 853-3725
- 2187 Makus O @ 859-9398
- BEVAN INTERSECTS

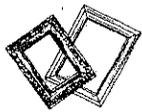
### PRINCESS ST

- NORTH FROM 31791 OLD YALE RD
- 2770 Wiens K G @ 859-8954
- 2771 Klassen J A @ 859-7251
- 2778 Kliever A @ 859-9957
- 2781 Geddert D H @ 859-4296
- 2789 Barkman D J @ 859-9895
- 2796 Unruh D 859-7382
- 2797 Epp A @ 859-5970
- 2806 Peters D J @ 859-4284
- 2807 Pankratz J @ 859-5568
- 2814 Occupied
- 2815 Collins B A @ 853-2443
- 2823 Espenberg Mrs A @ 859-8631
- 2824 Unruh H @ 853-3279

## R. A. BROWN AGENCY LTD.

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**Clearbrook**

**Stanley St - Contd**

- 2498 Peters P E @ 859-8163
- 2510 Petkau P D @ 853-3945
- 2511 Penner C J @ 859-4389
- 2534 Occupied
- 2537 Semyroz D 853-6108
- 2543 Remple P D 859-4101
- 2546 Kiss G S @ 853-3163
- 2559 Reimer Mrs E @ 859-4037
- 2560 Krahn W @ 853-1644
- 2575 Colorado Mrs S W @ 859-9227
- 2576 Cohn Mrs A @ 859-5724

**STEVENSON ST**

NORTH ACROSS 33186 BRUNDIGE

- 2064 Vacant
- 2067 Vacant
- 2076 Society Homes bldg contrs  
853-2051
- 2076 Janzen J G @ 853-2051  
BRUNDIGE INTERSECTS
- 2128 Palfy S @ 859-5866
- 2136 Abernathy B L
- 2139 Maisonneuve C A J @ 853-3869

**SUGAR PINE ST**

NORTH FROM 32445 PEARDONVILLE

- 2444 Hutchinson C N @ 859-9707
- 2451 New House
- 2454 MacLure L S @ 859-7437  
MAGNOLIA CRES BEGINS
- 2457 New House
- 2461 New House
- 2467 New House
- 2471 New House
- 2495 New House

**SUNNYSIDE ST**

NORTH TO 31605 OLD YALE RD

- 2681 Occupied
- 2693 Airth R @ 859-4608
- 2704 Klassen J J @ 859-5104
- 2717 Occupied
- 2724 Schellenberg G G @ 859-5166
- 2727 Martens A H @ 859-4436
- 2738 Wiebe J P @ 859-5989
- 2741 Attenmueller Mrs H @ 859-4791
- 2754 Wiens N H @ 859-9713
- 2754 Woodridge Devel bldg contr  
859-9713
- 2755 Rempel D A @ 859-9794
- 2766 Braun J D @ 859-9295
- 2767 Baker J @ 853-2344
- 2772 Klassen H @ 859-9403
- 2783 Friesen J I @ 859-8147  
OLD YALE INTERSECTS

**SUNRISE CRES**

WEST FROM 2486 CLEARBROOK

- 31944 Tabor Home Soc rest home  
859-8715

**Sunrise Cres - Contd**

- 31952 Friesen A J @ 859-9308
- 31955 Van der Hoek E 859-5474
- 31960 Siemens P P @ 859-5098
- 31962 Loewen Mrs A @ 859-5880
- 31963 Loewen H A P 859-8176
- 31970 Driedger Miss H 859-9225
- 31971 Hamm P P @ 859-9471
- 31972 Campbell M C 853-1281
- 31973 Peters Mrs M @ 859-5112  
CLEARBROOK INTERSECTS

**SWANSEA AV**

EAST TO 2050 SANDALWOOD CRES

- 33256 Jack E @ 859-4572
- 33257 Featherstone R @ 859-8675
- 33267 Manky L @ 859-4794
- 33268 Graff A L @ 859-4337
- 33277 Dekker C @ 853-3544  
SANDALWOOD CRES INTERSECTS

**SWITZER AV**

EAST ACROSS 2491 CRESCENT WAY

- 33496 Bruckal T A @ 859-5472  
CRESCENT WAY ENDS
- 33505 Smith J O @ 859-4512
- 33514 Piltz Mrs E @ 859-9123
- 33515 Blenkinsop B 853-3260
- 33526 Rosborough F S @ 853-3779
- 33533 Markin F J 859-7546
- 33535 Kizmann W
- 33538 Hawthorne R H @ 859-9283
- 33549 Switzer M C @ 859-8497
- 33554 I de Valois C 853-1202
- 2 England N E 859-5425
- 3 Hall Mrs M J 859-5959
- 4 Griffiths Mrs E 853-2418
- 5 Kewin Mrs D 859-4630
- 6 Vacant
- 7 Peters A 853-3823
- 8 Poignant Mrs H 859-9791
- 9 Fraser Mrs E M 853-1766
- 10 Ward Mrs M E 853-2962
- 11 Kendal Mrs -  
McCALLUM INTERSECTS

**TAYLOR WAY**

NORTH FROM 33860 VICTORY BLVD

- 2246 Daeck P G @ 859-4447

**TESSARO CRES**

NORTH THEN EAST FROM 33407 OLD

- YALE RD
- 2682 MacDonald G @ 853-3972
- 2683 Wiebe H L @ 853-2670
- 2691 Levasseur Mrs D @ 859-9424
- 2699 Fabas H J 853-3569
- 33403 Greif P @ 859-8516
- 33409 Frost N P 859-9310
- 33415 Guenter Miss A @ 853-3287

**THOMAS DR**

NORTH FROM 34400 KING J

- es New House
- 2506 Jones C L

**TIMS CRES**

EAST THEN NORTH FROM 2860  
CLEARBROOK

- 32022 Martindale E @ 853-2536
- 32028 Friesen Mrs A @ 859-5337
- 32036 Peterson I @
- 32043 Bergen J M @ 859-5331
- 32044 Hiebert C H @ 859-9898
- 32052 Raabe W @ 859-8073
- 32059 Sawatzky I G @ 859-8439  
ALICE ENDS
- 32066 Fehr J @ 859-5036
- 32075 Isaak Mrs S @ 859-9169
- 32082 Abbas G @ 853-3486
- 32089 Goertzen I G @ 859-8934
- 32094 Langille I M @ 859-9313
- 32096 Grant W @ 859-7593
- 32108 Oibert A @ 859-4575
- 32120 Kaszonyi T @ 859-8677
- 32134 Wiebe H J @ 859-9890
- 32143 Rahn H dry wall contr 859-7272
- 32145 Van Steenis H G 859-7023
- 32154 New House
- 32162 Klassen F H 853-3654
- 32176 Vacant
- 32181 Wiens C @ 853-3054
- 32194 Bay A @ 859-9641
- 2846 Schapansky C @ 853-1727
- 2856 Hildebrandt P G @ 859-5338
- 2860 Heinrichs P W 859-9523  
DAHLSTROM INTERSECTS

**TOWNLINE RD**

NORTH FROM 31200 KING

- 1727 Martens A W 853-3963
- 1727 Wiebe A D
- 1777 Froese E @ 859-5575
- 1780 New House
- 1795 Penner Mrs K @ 859-5005
- 1821 Redekop P P @ 859-5450
- 1840 Bischoff A @ 859-4991
- 1855 East N P @ 859-9484
- 1895 Heppner J L @ 859-8761
- 1912 Marcotte M 859-9357
- 1913 Vacant
- 1930 Leo F D @ 859-9653
- 1939 Brandt J L @ 859-9090
- 1963 De Winter H B decrtr 853-3537
- 1990 Vacant
- 1993 Sawatzky F @ 859-4058
- 2015 Occupied
- 2034 Janzen B @ 853-2345
- 2035 Peters J H @ 853-2529
- 2055 Regier A W @ 859-9404
- 2069 Isaak A @ 853-2886

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**PHONE 853-1361**

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PHONE 859-5264

Abbotsford

### Victory Blvd - Contd

- 33863 Kehler J H @ 859-4922
- 33866 Hagen A M @ 859-9702
- 33873 Buhler J @ 859-9522
- TAYLOR WAY BEGINS
- 33876 Bukowski E @ 859-8119
- 33886 MacDougall Mrs J W @ 859-9410
- 33897 Smith P P E @ 859-5901
- 33898 Johnson Mrs B @ 853-3952
- 33906 Kissock P @ 853-2423
- 33911 Hrussoocz V @ 853-2495
- 33916 Deas A M @ 859-9910
- 33919 Boulton J H @ 853-1248
- 33927 Csuti L J @ 859-5649
- 33934 Raglan E A @ 853-2578
- GRANT ENDS
- 33937 Ciccone V G @ 859-4082
- 33947 Dodd H F @ 853-1337
- 33954 Caul L L @ 859-4215
- 33959 Newby W C @ 859-9695
- 33969 Pongracz F @ 859-5372
- 33970 Buchanan R
- 33977 Kleininger J @ 859-5004
- McKENZIE INTERSECTS

### VINEWOOD ST

- NORTH FROM 33245 MARSHALL
- 2018 Balliet P A 859-5634
- 2021 Sandstrom H V @ 853-1739
- 2029 Gee F
- 2030 Occupied
- 2040 Day P J @ 853-2651
- 2051 Brogaard Mrs I @ 859-4366
- 2052 Warkentine Mrs M @ 859-9603
- 2061 Vacant
- 2062 Cochrane G F @ 859-5717
- 2071 Hoock O 859-9026
- 2072 Sabo J @ 859-5765
- 2079 Hada J @ 859-5065
- 2082 Yanko S P @ 853-1359
- 2085 Brown E I @ 853-2092
- MAYFAIR BEGINS
- 2108 Carson J S @ 853-2180
- 2109 Fall Norman R 859-8863
- 2121 Lusty A A @ 853-2587
- 2131 Occupied
- 2141 Enns Mrs E @ 859-8971
- 2143 Timar J @ 859-4014
- 2148 Smorenburg W @ 859-4445
- 2153 Renner D L @ 859-4226
- 2158 Heitzmann J @ 859-9154
- 2170 1 Grant Mrs M 853-6040
- 2 Occupied
- 3 Occupied
- 4 Oostenbrug Mrs T
- 2182 Collins F
- 2185 Johansen J P @ 853-2990
- 2190 5 Clark M A
- 2192 6 Sigfusson Mrs S M
- WARE INTERSECTS

### WALKER CRES

- SOUTH FROM 34600 BLK MARSHALL
- 34668 Van Tilborg R 859-4239
- 34670 Straiton R D @ 859-8331
- SKYLARK BEGINS
- 34691 Siebold C H @ 859-8217
- 34694 James N V D @
- 34709 Paul J D @ 853-2385
- 34729 Funk M C @ 853-2774
- 34734 Walker H C 859-8982
- 34746 Gibbard E H @ 859-9252
- 34752 Klippenstein H @ 859-9639
- MARSHALL INTERSECTS

### WALNUT ST

- EAST FROM 2722 GLADYS
- ABBOTSFORD MISSION HWAY
- BEGINS
- 33887 Jantz H W 859-4761
- McCRIMMON BEGINS
- 33902 Berry W J @ 859-5363
- 33904 Froese Miss R M 859-8300
- 33907 Van Dorp H C @ 859-5629
- 33919 Allinott A J @ 859-5557
- 33923 Occupied
- 33945 Fast K J @ 853-1440
- MAPLE INTERSECTS
- 33986 Sollied R M @ 859-9086
- 33988 Domke Mrs E M @ 859-5050
- 33993 Kasper W H @ 853-3200
- PRATT AND CAMBRIDGE BEGINS
- 34115 Bukowski Mrs L 859-4956
- WOODLAND BEGINS
- 34161 Chausse W H @ 859-4093
- 34171 Klew K @ 859-5776
- 34181 Kvist H A @ 859-9402
- ASH INTERSECTS
- GREEN BEGINS

### WALSH AV

- EAST FROM 2593 WARE
- 33236 Gough & Co Ltd elec equip
- 859-9804
- 33241 Home Oil Distrib 853-2177
- ALLIANCE INTERSECTS

### WARE ST

- NORTH FROM 33218 MARSHALL
- 2010 Kroeker J F @ 859-8943
- 2020 Grant W L 859-4256
- 2030 Klassen G H @ 859-9173
- 2039 Peace Lutheran Ch 859-5409
- 2040 Blue M @ 853-1530
- 2047 Doering Rev F 859-5409
- 2050 Bos R W 853-3608
- 2062 Occupied
- 2065 Vacant
- 2067 Buller H 853-1746
- 2070 Freund G @ 859-5695
- 2075 Walter R bldg contr @ 859-4762

### Ware St - Contd

- 2077 Vacant
- 2078 Vacant
- 2082 Occupied
- 2090 Rasmussen W @ 859-9088
- 2096 Occupied
- BRUNDIGE ENDS
- 2113 Myers C W @ 853-2368
- 2127 Sousedik F 859-8088
- 2129 Mayer W W 859-7281
- 2130 Szabo W @ 859-9927
- 2141 Morrison T R @ bldg contr
- 859-9073
- 2142 Occupied
- 2152 Occupied
- VINEWOOD ENDS
- 2184 Brown C J 853-2149
- 2191 Godson A S
- BEVAN ENDS
- 2221 Bev-Way Grocery 859-5573
- 2221 Blackman H A @ 859-5573
- 2222 Abbotsford Jr Secondary Sch
- 859-7125
- 2223 Occupied
- 2235 Occupied
- 2243 Occupied
- 2255 Fleming J 859-8159
- 2258 Hein W E @ 859-9761
- 2294 Ferguson Mrs E M 859-9661
- 2296 Benedict D H 859-7297
- ALTA CRES BEGINS
- 2306 Friesen P E @ 859-5407
- 2313 Des Mazes Mrs J @ 853-1763
- 2322 Templeton E B @ 859-8306
- 2339 Mahoney J A 859-7255
- 2356 Richardson J B @ 853-3857
- FARRANT CRES BEGINS
- 2365 Reed D M @ 853-2779
- 2365 Nokleby B O 853-3162
- 2370 Supernal Homes bldg contrs
- 853-1953
- 2370 Funk H D @ 853-1953
- 2377 Pawlovich Dr J P @ 853-3122
- 2385 Crocker P B @ 853-1315
- 2387 Kariton W N @ 859-8461
- 2394 Butchart J F @ 859-8243
- RAVINE BEGINS
- 2414 Krahn Dr J J @ 859-4707
- 2423 Occupied
- 2425 Terlingen Dr H A 859-4647
- 2425 Wattie Miss M 853-1947
- 2440 Neal L C @ 859-8944
- PLAXTON CRES INTERSECTS
- 2445 Lakeside Ter apts 859-7525
- 101 Stirn J F 859-7086
- 102 McRae M D 859-7574
- 103 Osborne P J 853-2637
- 104 Spence P R 853-1239
- 201 Deyo Dr A W 853-2072
- 202 Alp J E 859-5785
- 203 Gaetz M L 859-9824

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REAL ESTATE  
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MORTGAGES  
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**APPENDIX IV**

**MWLAP GROUNDWATER DATABASE SEARCH**

Farm 1

**Groundwater Database System  
Water Well Data by BCGS Number**

**Information Disclaimer**

The Province disclaims all responsibility for the accuracy of information provided. Information provided should not be used as a basis for making financial or any other commitments.

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BCGS 092H022134 # 20

WTN 000000021406 AGRICULTURE CANADA St. 6947 LOUGHEED HIGHWAY Area AGASSIZ Land Dist. 59 Dist. Lot 36 Plan Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19680415 DRI Depth 144.0 ft. Dia. 8.0 in. 180 GPM 0

BCGS 092H022134 # 1

WTN 000000025569 BILL WALLACE St. HEATH RD Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19711018 DRI Depth 36.0 ft. Dia. 0.0 in. 20 GPM

BCGS 092H022134 # 2

WTN 000000035759 DIST OF KENT St. CHEAM AVE Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. 3 Sect. 30 Range IR Mer. Block Qtr. Island Const. Date 19760930 DRI Depth 42.0 ft. Dia. 6.0 in. 100 GPM

BCGS 092H022134 # 3

\* WTN 000000035856 DIST OF KENT St. HIGH SCHOOL Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. 3 Sect. 30 Range IR Mer. Block Qtr. Island Const. Date 19761004 DRI Depth 38.0 ft. Dia. 6.0 in. 100 GPM

BCGS 092H022134 # 4

\* WTN 000000032393 DIST. OF KENT St. ROBERT ROAD Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. 3 Sect. 30 Range IR Mer. Block Qtr. Island Const. Date 19750501 DRI Depth 38.0 ft. Dia. 6.0 in. 100 GPM

BCGS 092H022134 # 5

WTN 000000032439 DIST. OF KENT St. CEDAR PLACE & MORRIN RD Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. 3 Sect. 30 Range IR Mer. Block Qtr. Island Const. Date 19750502 DRI Depth 39.0 ft. Dia. 6.0 in. 100 GPM

BCGS 092H022134 # 7

WTN 000000029034 KENT DIST.MUNICIPAL. St. HEATH & PIONEER RDS Area AGASSIZ Land Dist. 59 Dist. Lot Plan 38419 Lot 47 Twp. 3 Sect. 30 Range 28 IR Mer. Block Qtr. Island Const. Date 19731011 DRI Depth 35.0 ft. Dia. 6.0 in. 0

BCGS 092H022134 # 8

WTN 000000031806 HEATHCOURT TRAILER P St. HEATH ROAD Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. 3 Sect. 30 Range 28 IR Mer. Block Qtr. Island Const. Date 19750101 UNK Depth 57.0 ft. Dia. 6.0 in. 75 GPM

BCGS 092H022134 # 9

\* WTN 000000036086 MORROWS TRUCKING & R St. LOGAN SUBDIVISION Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19761130 DRI Depth 62.0 ft. Dia. 6.0 in. 150 GPM

BCGS 092H022134 # 10

WTN 000000044282 CORP DIST OF KENT St. MCCAFFERY & 7 HWY Area Land Dist. 59 Dist. Lot Plan Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19800108 DRI Depth 44.0 ft. Dia. 0.0 in. 0

BCGS 092H022134 # 19

WTN 000000021407 AGRICULTURE CANADA St. 6947 LOUGHEED HIGHWAY Area AGASSIZ Land Dist. 59 Dist. Lot 36 Plan Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19680415 DRI Depth 143.0 ft. Dia. 8.0 in. 260 GPM 0

BCGS 092H022134 # 11

WTN 000000035760 DIST OF KENT St. EVERGREEN ST. Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. 3 Sect. 30 Range IR Mer. Block Qtr. Island Const. Date 19760930 DRI Depth 64.0 ft. Dia. 6.0 in. 0 0

BCGS 092H022134 # 13

WTN 000000032444 TEN PEAK HOLDINGS LT St. AGASSIZ AVE.& MEADOW DR. Area AGASSIZ Land Dist. 59 Dist. Lot Plan Lot Twp. 3 Sect. 24 Range IR Mer. Block Qtr. Island Const. Date 19750505 DRI Depth 38.0 ft. Dia. 6.0 in. 100 GPM

BCGS 092H022134 # 14

WTN 000000039571 EDGAR POH & SON LTD St. CHEAM ST Area AGASSIZ Land Dist. 59 Dist. Lot Plan 5512 Lot 8 Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19780425 DRI Depth 50.0 ft. Dia. 6.0 in. 8 GPM

BCGS 092H022134 # 17

WTN 000000053284 DISTRICT OF KENT St. PIONEER AVE Area AGASSIZ Land Dist. 59 Dist. Lot Plan 9868 Lot H Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19840131 UNK Depth 60.0 ft. Dia. 6.0 in. 300 GPM

BCGS 092H022134 # 18

WTN 000000038547 SEZAR CONST LTD St. 1783 HWY 9 Area AGASSIZ Land Dist. 59 Dist. Lot 19 Plan 3953 Lot 1 Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19771108 DRI Depth 64.0 ft. Dia. 8.0 in. 300 GPM

BCGS 092H022134 # 12

WTN 000000035011 MISSION IMPOSSIBLE H St. Area AGASSIZ Land Dist. 59 Dist. Lot 19 Plan 3953 Lot 1 Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19760610 DRI Depth 62.0 ft. Dia. 8.0 in. 300 GPM

BCGS 092H022134 # 15

WTN 000000038658 FRASER VALLEY SAVING St. HEATH RD & HWY 9 Area AGASSIZ Land Dist. 59 Dist. Lot 19 Plan 4814 Lot 4 Twp. Sect. Range IR Mer. Block 4 Qtr. Island Const. Date 19771206 DRI Depth 40.0 ft. Dia. 6.0 in. 0

BCGS 092H022134 # 16

WTN 000000034430 EAGLE INSTALLATIONS St. 1884 HEATH RD Area AGASSIZ Land Dist. 59 Dist. Lot Plan SK6244 Lot A Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19760308 DRI Depth 42.0 ft. Dia. 8.0 in. 20 GPM

BCGS 092H022134 # 21

WTN 000000075267 AGRICULTURE CANADA St. 6947 LOUGHEED HIGHWAY Area AGASSIZ Land Dist. 59 Dist. Lot 19 Plan Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19880501 DRI Depth 213.0 ft. Dia. 10.0 in. 90 GPM 0

BCGS 092H022134 # 22

WTN 000000075268 AGRICULTURE CANADA St. 6947 LOUGHEED HIGHWAY Area AGASSIZ Land Dist. 59 Dist. Lot 19 Plan Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19980801 DRI Depth 205.0 ft. Dia. 10.0 in. 200 GPM 0

BCGS 092H022134 # 23

WTN 000000078687 CANADA POST CORP. St. 7048 PIONEER AVENUE Area AGGASSIZ Land Dist. 59 Dist. Lot 19 Plan 32634 Lot 33 Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19920101 DRI Depth 43 ft. Dia. 4 in. 0 0

BCGS 092H022134 # 24

WTN 000000078688 DISTRICT OF KENT St. 7170 CHEAM AVENUE Area AGGASSIZ Land Dist. 59 Dist. Lot 19 Plan 55814 Lot 213 Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19940101 DRI Depth 70 ft. Dia. 6 in. 0 0

BCGS 092H022134 # 25

WTN 000000078689 DISTRICT OF KENT St. 7170 CHEAM AVENUE Area AGGASSIZ Land Dist. 59 Dist. Lot 19 Plan 55814 Lot 213 Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19520101

DRI Depth ft. Dia. in. 0 0

BCGS 092H022134 # 26

WTN 000000078690 HEATH COURT TRAILER St. 21 - 1884 HEATH ROAD Area AGGASSIZ  
Land Dist. 59 Dist. Lot 49 Plan 1130A Lot W Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date  
19710101 DRI Depth 40 ft. Dia. 2 in. 0 0 25 rows selected.

Farm 1

**Groundwater Database System  
Water Well Data by BCGS Number****Information Disclaimer**

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BCGS 092H022312 # 1

WTN 000000044764 WALTER HATT St. MCCRAE RD Area AGGASIZ Land Dist. 37 Dist. Lot Plan  
Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19800411 UNK Depth 17.0 ft. Dia. 0.0 in.  
15 GPM

BCGS 092H022312 # 2

WTN 000000044762 WALTER HATT St. MCCRAE RD Area AGGASIZ Land Dist. 37 Dist. Lot Plan  
Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19800411 DRI Depth 18.0 ft. Dia. 0.0 in. 0

BCGS 092H022312 # 3

WTN 000000044763 WALTER HATT St. MCCRAE RD Area AGGASIZ Land Dist. 37 Dist. Lot Plan  
Lot Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date 19800411 DRI Depth 20.0 ft. Dia. 0.0 in. 0

Farm 2

**Groundwater Database System  
Water Well Data by BCGS Number****Information Disclaimer**

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BCGS 092H022323 # 1

WTN 000000000851 JAMES SEYMOUR St. SEABIRD ISLAND RD Area AGASSIZ Land Dist. 59  
Dist. Lot Plan Lot 45 Twp. Sect. Range IR Mer. Block Qtr. Island Const. Date DRI Depth 40.0 ft. Dia.  
6.0 in. 20 GPM

Walmstey Ave.

**Groundwater Database System  
Water Well Data by BCGS Number****Information Disclaimer**

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BCGS 092G009123 # 1

✓ WTN 000000010816 J W PETERS St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 60.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 2

✓ WTN 000000010558 J REIMER St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 64.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 3

WTN 000000010613 J BUICK St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 31.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 4

✓ WTN 000000010692 G G FALK St. CLEARBROOK RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 60.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 5

✓ WTN 000000010316 B D FALK St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DUG Depth 55.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 6

✓ WTN 000000010821 H B FALK St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 75.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 7

✓ WTN 000000010890 H J WILLIAMS St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 35.0 ft. Dia. 40.0 in. 0

BCGS 092G009123 # 8

WTN 000000010458 H H FALK St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp.  
16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 100.0 ft. Dia. 0.0 in.  
0

BCGS 092G009123 # 9

WTN 000000010453 H REIMER St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp.  
16 Sect. 6 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 45.0 ft. Dia. 0.0 in.  
0

BCGS 092G009123 # 11

WTN 000000010464 J H LOWEN St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp.  
16 Sect. 6 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DUG Depth 45.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 12

WTN 000000010257 C E CUNDIFF St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot  
Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 62.0 ft. Dia.  
36.0 in. 0

BCGS 092G009123 # 13

WTN 000000010524 P RATZLOFF St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot  
Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DUG Depth 43.0 ft. Dia.  
30.0 in. 0

BCGS 092G009123 # 14

WTN 000000010277 SIEMANS St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp.  
16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 67.0 ft. Dia. 36.0 in.  
0

BCGS 092G009123 # 15

WTN 000000010463 G T REMPLE St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR  
Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 66.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 16

WTN 000000014246 A REIMER St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp.  
16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19540101 DRI Depth 80.0 ft. Dia. 5.0 in. 0

BCGS 092G009123 # 17

WTN 000000010409 C EMNS St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer.  
Block Qtr. SE Island Const. Date 19500101 DUG Depth 65.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 18

✓ WTN 000000014243 R J LAXTON St. 31580 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 11387 Lot 11 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NW Island Const. Date 19540101 DRI Depth 36.0 ft. Dia. 6.0 in. 0

BCGS 092G009123 # 19

✓ WTN 000000010610 J TALOUS St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 85.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 20

✓ WTN 000000010819 C J KLARESEN St. CLEARBROOK RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 57.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 21

WTN 000000010699 P F FRANK St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 40.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 22

✓ WTN 000000014250 J J WABBE St. CLEARBROOK RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19540101 DRI Depth 85.0 ft. Dia. 5.0 in. 0

BCGS 092G009123 # 23

✓ WTN 000000010224 A CORNIES St. WALMSLEY AVE. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 35.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 24

✓ WTN 000000010362 J H WILLIAMS St. WALMSLEY AVE. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 40.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 25

WTN 000000010597 D NICKEL St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 82.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 26

WTN 000000010462 W NEWFELD St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 34.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 27

WTN 000000010818 P FLEMING St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DUG Depth 36.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 28

WTN 000000010828 J KLEMINGS St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 46.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 29

WTN 000000010728 J IVERS St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 30.0 ft. Dia. 36.0 in. 0

BCGS 092G009123 # 30

WTN 000000010381 J M LOEWEN St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 30.0 ft. Dia. 30.0 in. 0

BCGS 092G009123 # 31

WTN 000000030263 WALTER JANZEN St. 31730 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 7813 Lot 2 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NE Island Const. Date 19740502 DRI Depth 63.0 ft. Dia. 8.0 in. 0

BCGS 092G009123 # 32

WTN 000000030047 WILLIAM LESCHIED St. 703 CLEARBROOK RD. Area Land Dist. 37 Dist. Lot Plan 7813 Lot 6 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NE Island Const. Date 19740401 UNK Depth 64.0 ft. Dia. 6.0 in. 16 GPM

BCGS 092G009123 # 33

WTN 000000038447 A HOPP St. 579 CLEARBROOK RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 29371 Lot Twp. 16 Sect. 6 Range IR Mer. Block Qtr. Island Const. Date 19771026 DRI Depth 96.0 ft. Dia. 6.0 in. 20 GPM

BCGS 092G009123 # 34

WTN 000000038435 H P REIMER St. 31964 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 29371 Lot 10 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NE Island Const. Date 19771024 DRI Depth 87.0 ft. Dia. 6.0 in. 20 GPM

BCGS 092G009123 # 35

WTN 000000038222 DAVE LAXTON St. 31590 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 16462 Lot 1 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NW Island Const. Date 19770921 DRI Depth 58.0 ft. Dia. 6.0 in. 40 GPM

BCGS 092G009123 # 36

WTN 000000010496 J J HAEPNER St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 55.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 37

WTN 000000002493 P H JAMY St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19450101 DRI Depth 106.0 ft. Dia. 4.0 in. 0

BCGS 092G009123 # 38

✓ WTN 000000014248 D LOGAN St. 889 CLEARBROOK RD. Area Land Dist. 37 Dist. Lot Plan 5250 Lot 2 Twp. 16 Sect. 7 Range IR Mer. Block 1 Qtr. SE Island Const. Date 19540101 DRI Depth 70.0 ft. Dia. 6.0 in. 0

BCGS 092G009123 # 39

✓ WTN 000000010779 DEPT OF AGRICULTURE St. 550 CLEARBROOK RD. Area Land Dist. 37 Dist. Lot Plan 5211 Lot 60 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DRI Depth 81.0 ft. Dia. 8.0 in. 350 USGM 0

BCGS 092G009123 # 40

WTN 000000003258 J F DE FEHR St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19490101 DRI Depth 100.0 ft. Dia. 0.0 in. 0

BCGS 092G009123 # 41

✓ WTN 000000042376 KURT GAUTSCHI St. 31822 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 7813 Lot 4 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NE Island Const. Date 19790523 DRI Depth 102.0 ft. Dia. 8.0 in. 300 GPM 0

BCGS 092G009123 # 42

✓ WTN 000000041763 RICK REIMER St. 31906 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 7813 Lot 5 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. Island Const. Date 19790223 DRI Depth 98.0 ft. Dia. 8.0 in. 150 GPM

BCGS 092G009123 # 43

✓ WTN 000000020213 H H FREISEN St. CLEARBROOK RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. Island Const. Date 19661012 DRI Depth 85.0 ft. Dia. 6.0 in. 12 GPM

BCGS 092G009123 # 44

✓ WTN 000000014452 ESSO STATION & STORE St. 32375 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 20989 Lot L Twp. 16 Sect. 8 Range IR Mer. Block 1 Qtr. SW Island Const. Date 19550101 DRI Depth 92.5 ft. Dia. 6.0 in. 0

BCGS 092G009123 # 45

✓ WTN 000000041782 RAY YOUNG St. 545 CLEARBROOK RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 7813 Lot 7 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. Island Const. Date 19790228 DRI Depth 100.0 ft. Dia. 6.0 in. 30 GPM

BCGS 092G009123 # 46

✓ WTN 000000014750 SOUTH POPLAR LUMBER St. 32317 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 17695 Lot 2 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19560101 DRI Depth 123.0 ft. Dia. 8.0 in. 0

BCGS 092G009123 # 47

✓ WTN 000000054155 JACK REIMER St. 611 CLEARBROOK RD. Area MATSQUI Land Dist. 37 Dist. Lot Plan 62024 Lot 12 Twp. 16 Sect. 6 Range IR Mer. Block Qtr. NE Island Const. Date 19841016 UNK Depth 102.0 ft. Dia. 0.0 in. 100 GPM

BCGS 092G009123 # 48

✓ WTN 000000015974 DAVID H FALK St. 32241 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 17695 Lot 7 Twp. 16 Sect. 8 Range IR Mer. Block 2 Qtr. SW Island Const. Date 19590101 DRI Depth 84.0 ft. Dia. 6.0 in. 5 GPM

BCGS 092G009123 # 49

✓ WTN 000000010497 JULIUS LOWEN St. 32294 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DRI Depth 84.0 ft. Dia. 0.0 in. 10 GPM

BCGS 092G009123 # 50

✓ WTN 000000010730 JOHN TOEWS St. 32320 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DRI Depth 85.0 ft. Dia. 0.0 in. 10 GPM

BCGS 092G009123 # 51

✓ WTN 000000023947 C E CUNDIFF St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot 1 Twp. 16 Sect. 7 Range IR Mer. Block 1 Qtr. SE Island Const. Date 19700901 DRI Depth 74.0 ft. Dia. 6.0 in. 50 GPM

BCGS 092G009123 # 52

✓ WTN 000000016946 J FALK St. 32189 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. Range IR Mer. Block Qtr. Island Const. Date 19610101 DRI Depth 81.0 ft. Dia. 6.0 in. 8 GPM

BCGS 092G009123 # 53

✓ WTN 000000033065 JOHN WALL St. 31545 WALMSLEY AVE. Area Land Dist. 37 Dist. Lot Plan 34137 Lot 23 Twp. 16 Sect. 7 Range IR Mer. Block Qtr. NW Island Const. Date 19750728 UNK Depth

80.0 ft. Dia. 6.0 in. 75 GPM

BCGS 092G009123 # 54

✓ WTN 000000037952 JOHN THIESEN St. 31711 WALMSLEY AVE. Area MATSQUI Land Dist. 37 Dist. Lot Plan 15987 Lot 2 Twp. 16 Sect. 7 Range IR Mer. Block Qtr. NE Island Const. Date 19770820 DRI Depth 65.0 ft. Dia. 6.0 in. 20 GPM 0

BCGS 092G009123 # 55

✓ WTN 000000041898 D & S TOORS St. 547 COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 5211 Lot A Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19790315 DRI Depth 129.0 ft. Dia. 8.0 in. 0

BCGS 092G009123 # 56

✓ WTN 000000037668 SABOLEY PROCESSORS L St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. Island Const. Date 19770714 DRI Depth 83.0 ft. Dia. 8.0 in. 100 GPM

BCGS 092G009123 # 57

✓ WTN 000000038186 SABOLEY PROCESSORS L St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. Island Const. Date 19770915 DRI Depth 60.0 ft. Dia. 6.0 in. 20 GPM

BCGS 092G009123 # 58

✓ WTN 000000031472 AL COLLIER St. 843 COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 13913 Lot J Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19741012 UNK Depth 124.0 ft. Dia. 6.0 in. 30 GPM

BCGS 092G009123 # 59

✓ WTN 000000037276 SABOLAY PROCESSORS L St. HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. Island Const. Date 19770531 DRI Depth 84.0 ft. Dia. 8.0 in. 400 GPM 0

BCGS 092G009123 # 60

✓ WTN 000000038425 JOE DIMARTINO St. 32113 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 08976 Lot 5 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19771021 DRI Depth 137.0 ft. Dia. 6.0 in. 30 GPM

BCGS 092G009123 # 61

✓ WTN 000000045111 G WOODHAMS St. 31587 WALMSLEY AVE. Area MATSQUI Land Dist. 37 Dist. Lot Plan 39956 Lot 28 Twp. 16 Sect. 7 Range IR Mer. Block Qtr. Island Const. Date 19800523 DRI Depth 60.0 ft. Dia. 6.0 in. 15 USGM

BCGS 092G009123 # 62

✓ WTN 000000038097 BLAIR MCMINN St. 32022 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. Island Const. Date 19770902 DRI Depth 80.0 ft. Dia. 6.0 in. 15 GPM

BCGS 092G009123 # 63

✓ WTN 000000039673 GORDON GILBERG St. 831 COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 20989 Lot K Twp. 16 Sect. 8 Range IR Mer. Block 1 Qtr. Island Const. Date 19780508 DRI Depth 140.0 ft. Dia. 6.0 in. 20 GPM

BCGS 092G009123 # 64

✓ WTN 000000041421 HAJO KENNELS St. 31931 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 5250 Lot 1 Twp. 16 Sect. 7 Range IR Mer. Block 1 Qtr. Island Const. Date 19790101 DRI Depth 91.0 ft. Dia. 6.0 in. 20 GPM

BCGS 092G009123 # 65

✓ WTN 000000038378 BLAIR MCMINN St. 32022 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. Island Const. Date 19771013 DRI Depth 140.0 ft. Dia. 8.0 in. 100 GPM

BCGS 092G009123 # 66

✓ WTN 000000043628 HELMUT SAWATSKY St. 1219 CLEARBROOK RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 15987 Lot 4 Twp. 16 Sect. 7 Range IR Mer. Block Qtr. Island Const. Date 19791012 DRI Depth 100.0 ft. Dia. 0.0 in. 10 GPM

BCGS 092G009123 # 67

✓ WTN 000000035292 PARMJIT S THIND St. 32294 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 5211 Lot 57 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19760717 DRI Depth 131.0 ft. Dia. 0.0 in. 120 GPM

✓ BCGS 092G009123 # 68

WTN 000000041863 KONDOLAY BROS FARMS St. WALMSLEY AVE. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 5479 Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. Island Const. Date 19790307 DRI Depth 120.0 ft. Dia. 8.0 in. 0

BCGS 092G009123 # 69

✓ WTN 000000045503 WALTER SIEMENS St. 1237 COLUMBIA RD. Area CLEARBROOK Land Dist. 37 Dist. Lot Plan 5508 Lot 8 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. Island Const. Date 19800704 DRI Depth 175.0 ft. Dia. 8.0 in. 250 GPM 0

BCGS 092G009123 # 70

WTN 000000030046 DEPT AGRICULTURE St. 31790 WALMSLEY AVE. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SE Island Const. Date 19740401 UNK Depth 87.0 ft. Dia. 8.0 in. 0

BCGS 092G009123 # 71

WTN 000000042316 SIDHO BERRY FARM St. 32320 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 38951 Lot 56 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. Island Const. Date 19790509 DRI Depth 141.0 ft. Dia. 8.0 in. 250 GPM

BCGS 092G009123 # 72

WTN 000000055798 BAGHER FARMS St. COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan Lot 6 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. Island Const. Date 19860302 DRI Depth 150.0 ft. Dia. 0.0 in. 150 GPM

BCGS 092G009123 # 73

WTN 000000054650 GEORGE SIEMENS St. 1224 CLEARBROOK RD. Area MATSQUI Land Dist. 37 Dist. Lot Plan 5508 Lot 1 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. NW Island Const. Date 19850409 DRI Depth 120.0 ft. Dia. 6.0 in. 90 GPM 0

BCGS 092G009123 # 74

WTN 000000033125 PETER FALK St. 889 COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 36781 Lot 19 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19750801 UNK Depth 117.0 ft. Dia. 6.0 in. 40 GPM

BCGS 092G009123 # 75

WTN 000000056608 JOHN MEGHJI St. 32172 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 5211 Lot A Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19861004 UNK Depth 124.0 ft. Dia. 8.0 in. 200 GPM

BCGS 092G009123 # 79

WTN 000000023681 FALK & SONS St. 32317 HUNTINGDON RD. Area MATSQUI Land Dist. 37 Dist. Lot Plan 17695 Lot 6 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19700620 DRI Depth 120.0 ft. Dia. 8.0 in. 450 GPM 0

BCGS 092G009123 # 78

WTN 000000042030 J & K BERRY FARMS St. 32241 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 17695 Lot 7 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19790401 UNK Depth 143.0 ft. Dia. 8.0 in. 200 GPM 0

BCGS 092G009123 # 10

WTN 000000026787 GROUNDWATER DIVISION St. HUNTINGDON RD. Area CLEARBROOK Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 7 Range IR Mer. Block Qtr. SE Island Const. Date

19720816 DRI Depth 63.0 ft. Dia. 6.0 in. 24.7 GPM 0

BCGS 092G009123 # 76

✓ WTN 00000028271 MIRUS GROWERS St. CLOUMBIA RD. Area MATSQUI Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SW Island Const. Date 19730615 DRI Depth 129.0 ft. Dia. 12.0 in. 0

BCGS 092G009123 # 77

✓ WTN 00000057843 DHALI WAL St. 889 CLEARBROOK RD. Area CLEARBROOK Land Dist. 37 Dist. Lot Plan 5250 Lot 2 Twp. 16 Sect. 7 Range IR Mer. Block Qtr. Island Const. Date 19880112 DRI Depth 105.0 ft. Dia. 11.0 in. 100 GPM 0

BCGS 092G009123 # 80

✓ WTN 00000081642 WALTER SIEMENS St. 1224 CLEARBROOK ROAD Area CLEARBROOK Land Dist. 37 Dist. Lot Plan 5508 Lot 1 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. NW Island Const. Date 19891101 DRI Depth 100 ft. Dia. 6 in. 0 0 80 rows selected.

Clearbrook Rd

**Groundwater Database System  
Water Well Data by BCGS Number****Information Disclaimer**

The Province disclaims all responsibility for the accuracy of information provided. Information provided should not be used as a basis for making financial or any other commitments.

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BCGS 092G009124 # 78

X WTN 000000040980 J R FRASER St. 590 COLUMBIA ST. Area CLEARBROOK Land Dist. 37 Dist. Lot Plan 10835 Lot 44 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. Island Const. Date 19781115 DRI Depth 125.0 ft. Dia. 6.0 in. 7 GPM 0

BCGS 092G009124 # 1

WTN 000000002355 J CAMPBELL St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NW Island Const. Date 19440101 DUG Depth 130.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 2

WTN 000000010641 J DYCK St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 89.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 3

D WTN 000000010253 A MARTIN St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DUG Depth 136.0 ft. Dia. 5.0 in. 0

BCGS 092G009124 # 4

WTN 000000010457 J KETTER St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 110.0 ft. Dia. 4.0 in. 0

BCGS 092G009124 # 5

WTN 000000014456 R RATZLOFF St. EMERSON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19550101 DRI Depth 146.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 6

WTN 000000010384 P RENDIKOP St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 94.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 7

WTN 000000010894 HENRY DEFEHR St. 33082 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 56.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 8

WTN 00000002745 R H NICKEL St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SE Island Const. Date 19470101 DRI Depth 116.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 9

WTN 000000010647 A SEHEFFLER St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 112.0 ft. Dia. 4.0 in. 0

BCGS 092G009124 # 10

WTN 000000010340 M THURSON St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DUG Depth 56.0 ft. Dia. 30.0 in. 0

BCGS 092G009124 # 11

WTN 000000010288 B NICKEL St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19500101 DRI Depth 114.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 12

WTN 000000013982 BROWN SUBDIVISION St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19530101 UNK Depth 0.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 13

WTN 000000010559 G J DIRKSON St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DUG Depth 63.0 ft. Dia. 36.0 in. 0

BCGS 092G009124 # 14

WTN 000000002683 H SCHULTZ St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19460101 DRI Depth 94.0 ft. Dia. 4.0 in. 0

BCGS 092G009124 # 16

WTN 000000013981 P SIEMEN St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19530101 DUG Depth 83.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 17

WTN 000000010523 St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DRI Depth 106.0 ft. Dia. 4.0 in. 0

BCGS 092G009124 # 18

WTN 000000010556 J VOTH St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DUG Depth 55.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 19

WTN 000000010612 B M DYCK St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DRI Depth 90.0 ft. Dia. 4.0 in. 0

BCGS 092G009124 # 20

X WTN 000000013566 C HINTZ St. 32712 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 6157 Lot 30 Twp. 16 Sect. 5 Range IR Mer. Block 40 Qtr. NE Island Const. Date 19510101 DRI Depth 128.0 ft. Dia. 5.0 in. 0

BCGS 092G009124 # 21

WTN 000000010336 H GREAN St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 58.0 ft. Dia. 36.0 in. 0

BCGS 092G009124 # 22

X WTN 000000015071 J J DERKSEN St. GLADWIN RD. Area Land Dist. 37 Dist. Lot Plan 9147 Lot 2 Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19570101 DRI Depth 130.0 ft. Dia. 0.0 in. 6 GPM

BCGS 092G009124 # 23

U WTN 000000014748 ISAAC L DYCK St. EMERSON RD. Area Land Dist. 37 Dist. Lot Plan 9147 Lot 4 Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19560101 UNK Depth 136.0 ft. Dia. 0.0 in. 5 GPM

BCGS 092G009124 # 24

WTN 000000010688 H KLEINEER St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 DRI Depth 100.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 25

WTN 000000013563 A NICKEL St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19510101 DUG Depth 140.0 ft. Dia. 4.0 in. 0

BCGS 092G009124 # 26

WTN 000000010303 G JENSEN St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NW Island Const. Date 19500101 OTH Depth 80.0 ft. Dia. 36.0 in. 0

BCGS 092G009124 # 27

WTN 000000014000 SOUTH PAPLAR St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19530101 DRI Depth 0.0 ft. Dia. 0.0 in. 0

U BCGS 092G009124 # 28

WTN 000000018002 NARCOTIC CENTER St. VYE RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SE Island Const. Date 19630301 DRI Depth 250.0 ft. Dia. 12.0 in. 0

BCGS 092G009124 # 29

WTN 000000002687 B E DYCK St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NE Island Const. Date 19460101 DRI Depth 114.0 ft. Dia. 4.0 in. 0

BCGS 092G009124 # 30

WTN 000000010637 J JENSEN St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DUG Depth 80.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 31

WTN 000000023372 H UNRUH St. 1116 GLADWIN RD. Area MATSQUI Land Dist. 37 Dist. Lot Plan 26071 Lot 6 Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19700318 DRI Depth 163.0 ft. Dia. 10.0 in. 250 GPM 0

BCGS 092G009124 # 32

WTN 000000030822 A F WARMENHOVEN St. 1018 GLADWIN RD. Area Land Dist. 37 Dist. Lot Plan 5211 Lot 9 Twp. 16 Sect. 9 Range IR Mer. Block Qtr. SW Island Const. Date 19740720 UNK Depth 160.0 ft. Dia. 8.0 in. 100 GPM

BCGS 092G009124 # 33

WTN 000000013996 J ROBERTSON St. 33160 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 13871 Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NW Island Const. Date 19530101 DRI Depth 84.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 34

WTN 000000014249 J B NICKEL St. 1128 COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 7133 Lot 1 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19540101 DRI Depth 102.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 35

WTN 000000040865 P FACK St. 910 GLADWIN RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 9086 Lot 2 Twp. 16 Sect. 9 Range IR Mer. Block Qtr. Island Const. Date 19781023 DRI Depth 170.0 ft. Dia. 6.0 in. 200 GPM

BCGS 092G009124 # 36

WTN 000000002281 B FREAD St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19430101 DRI Depth 100.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 37

X WTN 000000015968 B H UNRAH St. COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 13711 Lot 4 Twp. 16 Sect. 5 Range IR Mer. Block 43 Qtr. NE Island Const. Date 19590101 DRI Depth 114.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 38

X WTN 000000016458 REV WILLIAM I NEUFEL St. COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 21566 Lot 11 Twp. 16 Sect. 5 Range IR Mer. Block 43 Qtr. NE Island Const. Date 19600101 DRI Depth 121.0 ft. Dia. 6.0 in. 8 GPM

BCGS 092G009124 # 39

X WTN 000000052650 DEPT OF PUBLIC WORKS St. HUNTINGDON RD. Area MATSQUI Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 9 Range IR Mer. Block Qtr. Island Const. Date 19830824 DRI Depth 186.0 ft. Dia. 8.0 in. 300 GPM

BCGS 092G009124 # 40

X WTN 000000019797 SIEGFRIED SCHULTZ St. 33220 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 5211 Lot 16 Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NE Island Const. Date 19660101 DRI Depth 85.0 ft. Dia. 6.0 in. 25 GPM

BCGS 092G009124 # 41

W WTN 000000010817 M SCHAPANSKY St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DUG Depth 77.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 42

X WTN 000000014740 JOHN TOEWS St. 618 COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 21566 Lot 10 Twp. 16 Sect. 5 Range IR Mer. Block 43 Qtr. NE Island Const. Date 19560101 DRI Depth 111.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 43

> WTN 000000043210 VERN CODE St. 32843 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 9086 Lot 6 Twp. 16 Sect. 9 Range IR Mer. Block Qtr. Island Const. Date 19790824 UNK Depth 145.0 ft. Dia. 0.0 in. 11 GPM

BCGS 092G009124 # 44

X WTN 000000015077 J E SAWATSKY St. HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19570101 DRI Depth 100.0 ft. Dia. 4.0 in. 0

BCGS 092G009124 # 45

W WTN 000000015984 UNRAH St. COLUMBIA ST. & HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 18765 Lot C Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19590101 DRI Depth 114.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 46

WTN 000000010306 SCHULTZ St. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 UNK Depth 126.0 ft. Dia. 0.0 in. 400 GPM

BCGS 092G009124 # 47

WTN 000000016933 C W SAWATSKY St. COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 8295 Lot 2 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19610101 DRI Depth 78.0 ft. Dia. 6.0 in. 8 GPM

BCGS 092G009124 # 48

WTN 000000010634 SAWATSKY St. 324 MONTGOMERY AVE. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DRI Depth 91.5 ft. Dia. 6.0 in. 4.5 GPM

BCGS 092G009124 # 50

WTN 000000028203 WAYNE ROSS St. 725 SHORT RD. Area Land Dist. 37 Dist. Lot Plan 6106 Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NW Island Const. Date 19730601 UNK Depth 140.0 ft. Dia. 6.0 in. 40 GPM

BCGS 092G009124 # 51

WTN 000000010422 MENNONITE CHURCH St. VYE RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DRI Depth 99.5 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 52

WTN 000000020862 H H KLASSEN St. 32595 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 5211 Lot 67 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19670818 DRI Depth 113.0 ft. Dia. 4.0 in. 5 GPM

BCGS 092G009124 # 53

WTN 000000010304 DENNIS FRIESEN St. 32687 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DRI Depth 121.0 ft. Dia. 6.0 in. 0

BCGS 092G009124 # 54

WTN 000000024229 C FEDERAU St. 542 COLUMBIA ST. Area MATSQUI Land Dist. 37 Dist. Lot Plan 10853 Lot 1 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NW Island Const. Date 19701125 DRI Depth 120.0 ft. Dia. 6.0 in. 10 GPM

BCGS 092G009124 # 56

WTN 000000038189 CLEARBROOK GRAIN & M St. 576 GLADWIN RD. Area MATSQUI Land

Dist. 37 Dist. Lot Plan 5211 Lot 33 Twp. 16 Sect. 4 Range IR Mer. Block Qtr. Island Const. Date 19770916 DRI Depth 145.0 ft. Dia. 8.0 in. 100 GPM

BCGS 092G009124 # 57

X WTN 000000023216 D D KRAHN St. 950 COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 8295 Lot 4 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19700109 DRI Depth 92.5 ft. Dia. 7.0 in. 0

BCGS 092G009124 # 59

X WTN 000000010695 H KRECKER St. HUNTINGDON RD. & COLUMBIA ST. Area MATSQUI Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19500101 DRI Depth 102.0 ft. Dia. 6.0 in. 100 GPM

BCGS 092G009124 # 60

X WTN 000000039155 MARTHA THIESEN St. 33120 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 11143 Lot 2 Twp. 16 Sect. 4 Range IR Mer. Block Qtr. Island Const. Date 19780116 DRI Depth 80.0 ft. Dia. 6.0 in. 6 GPM

BCGS 092G009124 # 61

X WTN 000000010716 OTTO FRIESEN St. COLUMBIA ST. Area MATSQUI Land Dist. 37 Dist. Lot Plan Lot Twp. 16 Sect. 8 Range IR Mer. Block Qtr. NE Island Const. Date 19500101 DRI Depth 114.0 ft. Dia. 0.0 in. 0

BCGS 092G009124 # 62

X WTN 000000040961 S SCHULZ St. SHORT RD. Area MATSQUI Land Dist. 37 Dist. Lot Plan 6106 Lot A Twp. 16 Sect. 4 Range IR Mer. Block Qtr. Island Const. Date 19781109 DRI Depth 133.0 ft. Dia. 6.0 in. 10 GPM

BCGS 092G009124 # 63

X WTN 000000036713 GEORGE EPP St. 736 COLUMBIA ST. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan Lot A Twp. 16 Sect. 5 Range IR Mer. Block Qtr. Island Const. Date 19770221 DRI Depth 118.0 ft. Dia. 8.0 in. 45 GPM

BCGS 092G009124 # 64

X WTN 000000035097 LEN MARTENS St. 32483 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 8675 Lot 10 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. SE Island Const. Date 19760623 DRI Depth 105.0 ft. Dia. 6.0 in. 8 GPH

BCGS 092G009124 # 66

X WTN 000000038593 BUCK BARRETTE St. 629 GLADWIN RD. Area Land Dist. 37 Dist. Lot Plan 39643 Lot 46 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19771118 DRI Depth 134.0 ft. Dia. 0.0 in. 10 GPM

BCGS 092G009124 # 67

WTN 000000034999 DALJIT S ALAMWALA St. 32712 HUNTINGDON RD. Area Land Dist. 37 Dist. Lot Plan 6157 Lot 3 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19760607 OTH Depth 150.0 ft. Dia. 8.0 in. 70 GPM

BCGS 092G009124 # 68

WTN 000000044011 JOHN S ROBERTSON St. 33160 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 11143 Lot 1 Twp. 16 Sect. 4 Range IR Mer. Block Qtr. Island Const. Date 19791220 DRI Depth 120.0 ft. Dia. 0.0 in. 40 GPM

BCGS 092G009124 # 69

WTN 000000040406 DENNIS WRIGHT St. 32421 HUNTINGDON RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 15691 Lot 15 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. Island Const. Date 19780818 DRI Depth 120.0 ft. Dia. 6.0 in. 5 GPM

BCGS 092G009124 # 71

WTN 000000042505 L W DYCKE St. 582 SHORT RD. Area Land Dist. 37 Dist. Lot Plan 14073 Lot Twp. 16 Sect. 4 Range IR Mer. Block Qtr. NE Island Const. Date 19790601 UNK Depth 144.0 ft. Dia. 6.0 in. 15 GPM

BCGS 092G009124 # 72

WTN 000000042878 DAVE BOOTSMA St. 938 COLUMBIA ST. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 8295 Lot 5 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. Island Const. Date 19790718 DRI Depth 126.0 ft. Dia. 0.0 in. 15 GPM

BCGS 092G009124 # 73

WTN 000000041422 MAURICE WETTSTEIN St. 926 COLUMBIA ST. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 8295 Lot 6 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. Island Const. Date 19790101 DRI Depth 128.0 ft. Dia. 0.0 in. 15 GPM

BCGS 092G009124 # 74

WTN 000000048361 RATTAN PARMAR St. 1125 GLADWIN RD. Area ABBOTSFORD Land Dist. 37 Dist. Lot Plan 4791 Lot 2 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. Island Const. Date 19810624 DRI Depth 168.0 ft. Dia. 8.0 in. 21 GPM 0

BCGS 092G009124 # 75

WTN 000000028199 J C JANSEN St. 648 COLUMBIA ST. Area MATSQUI Land Dist. 37 Dist. Lot Plan 14087 Lot 1 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19730601 UNK Depth 121.0 ft. Dia. 6.0 in. 8 GPM

BCGS 092G009124 # 15

X WTN 000000013978 H LEPP St. COLUMBIA ST. Area Land Dist. 37 Dist. Lot Plan 14087 Lot A  
Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19530101 DRI Depth 138.0 ft. Dia.  
6.0 in. 0

BCGS 092G009124 # 55

X WTN 000000029335 ERNST SCHALOSKE St. 32250 HUNTINGDON RD. Area Land Dist. 37 Dist.  
Lot Plan 5211 Lot 42 Twp. 16 Sect. 5 Range IR Mer. Block Qtr. NE Island Const. Date 19731219 UNK  
Depth 153.0 ft. Dia. 10.0 in. 0

BCGS 092G009124 # 65

X WTN 000000044794 J & K BERRY FARM St. 32850 HUNTINGDON RD. Area ABBOTSFORD  
Land Dist. 37 Dist. Lot Plan 5211 Lot 13 Twp. 16 Sect. 4 Range IR Mer. Block Qtr. Island Const. Date  
19800415 DRI Depth 183.0 ft. Dia. 0.0 in. 30 GPM

BCGS 092G009124 # 77

X WTN 000000058787 GILL BILL St. 1283 GLADWIN RD. Area ABBOTSFORD Land Dist. 37 Dist.  
Lot Plan 3477 Lot 1 Twp. 16 Sect. 8 Range IR Mer. Block Qtr. Island Const. Date 19890506 DRI Depth  
159.0 ft. Dia. 6.0 in. 60 GPM 0 74 rows selected.





Well Tag Number 000000021406	Construction Date 19680415
Owner: AGRICULTURE CANADA	Driller LANGLEY WATER WELLS
Address: 6947 LOUGHEED HIGHWAY	License Number
Area: AGASSIZ	
WELL LOCATION:	
YALE (YDYD) Land District	
District Lot 36 Plan Lot	PRODUCTION DATA AT TIME OF DRILLING:
Township Section Range	Well Yield 180 GPM
Indian Reserve Meridian Block	Artesian Flow 0
Quarter	Static Level 7 feet
Island	
BCGS Number (NAD 27) 092H022134 Well 20	Water Utility
Well Use Irrigation	Lithology Info Flag
Construction Method Drilled	Pump Test Info Flag
Diameter 8.0 inches	File Info Flag
Well Depth 144.0 feet	Sieve Info Flag
Elevation 0	Screen Info Flag
Bedrock Depth UNK feet	Water Chemistry Info Flag Y
Screen from 130 to 140 feet	Field Chemistry Info Flag
Slot Size 1 30 Slot Size 2 0	Site Info (SEAM)
Slot Size 3 0 Slot Size 4 0	Other Info Flag
GENERAL REMARKS:	
<p>From 0 To 6 Ft. silt</p> <p>From 6 To 109 Ft. gravel &amp; boulders</p> <p>From 109 To 144 Ft. medium sand</p>	

**Information Disclaimer:**

The Province disclaims all responsibility for the accuracy of information provided. Information provided should not be used as a basis for making financial or any other commitments.

Date entered to WELL



Well Tag Number 000000021407	Construction Date 19680415
Owner: AGRICULTURE CANADA	Driller LANGLEY WATER WELLS
Address: 6947 LOUGHEED HIGHWAY	License Number
Area: AGASSIZ	
WELL LOCATION:	
YALE (YDYD) Land District	
District Lot 36 Plan Lot	
Township Section Range	
Indian Reserve Meridian Block	
Quarter	
Island	
BCGS Number (NAD 27) 092H022134 Well 19	
Well Use Irrigation	PRODUCTION DATA AT TIME OF DRILLING:
Construction Method Drilled	Well Yield 260 GPM
Diameter 8.0 inches	Artesian Flow 0
Well Depth 143.0 feet	Static Level 5 feet
Elevation 0	
Bedrock Depth UNK feet	Water Utility
Screen from 130 to 140 feet	Lithology Info Flag
Slot Size 1 30 Slot Size 2 0	Pump Test Info Flag
Slot Size 3 0 Slot Size 4 0	File Info Flag
	Sieve Info Flag
	Screen Info Flag
	Water Chemistry Info Flag Y
	Field Chemistry Info Flag
	Site Info (SEAM)
	Other Info Flag
GENERAL REMARKS:	
From 0 To 4 Ft. silt	
From 4 To 112 Ft. gravel & boulders	
From 112 To 143 Ft. medium sand	

**Information Disclaimer:**

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Date entered to WELL



Well Tag Number 000000075267	Construction Date 19880501
Owner: AGRICULTURE CANADA	Driller CLARK DRILLING SERVICES LTD
Address: 6947 LOUGHEED HIGHWAY	License Number
Area: AGASSIZ	
WELL LOCATION:	
YALE (YDYD) Land District	
District Lot 19 Plan Lot	
Township Section Range	
Indian Reserve Meridian Block	
Quarter	
Island	
BCGS Number (NAD 27) 092H022134 Well 21	PRODUCTION DATA AT TIME OF DRILLING:
	Well Yield 90 GPM
	Artesian Flow 0
	Static Level 9 feet
Well Use Other	Water Utility
Construction Method Drilled	Lithology Info Flag
Diameter 10.0 inches	Pump Test Info Flag
Well Depth 213.0 feet	File Info Flag
Elevation 0	Sieve Info Flag
Bedrock Depth feet	Screen Info Flag
Screen from 102 to 183 feet	Water Chemistry Info Flag
Slot Size 1 25 Slot Size 2 0	Field Chemistry Info Flag
Slot Size 3 0 Slot Size 4 0	Site Info (SEAM)
	Other Info Flag

GENERAL REMARKS:  
 GEOTHERMAL PURPOSE

From 0 To 7 Ft. sandy loam, brown  
 From 7 To 15 Ft. sand and gravel, cobbles to 5"  
 From 15 To 30 Ft. w-b sand & gravel, same as above, grey  
 From 30 To 37 Ft. skip graded sand and cobbles  
 From 37 To 43 Ft. sand and gravel  
 From 43 To 53 Ft. skip graded sand and gravel, brown  
 From 53 To 59 Ft. sand and some stones, brown  
 From 59 To 70 Ft. coarse sand, the odd stone, brown  
 From 70 To 76 Ft. skip graded sand and gravel, brown  
 From 76 To 80 Ft. medium sand, brown  
 From 80 To 101 Ft. skip graded sand and gravels, brown  
 From 101 To 121 Ft. coarse sand, very loose, brown  
 From 121 To 140 Ft. fine sand and stones, skip graded  
 From 140 To 145 Ft. coarse loose sand, 2" minus stones  
 From 145 To 179 Ft. coarse sand, brown  
 From 179 To 182 Ft. sand and gravel  
 From 182 To 197 Ft. mostly gravel, some sand  
 From 197 To 202 Ft. skip graded, 3" stones and sand  
 From 202 To 213 Ft. med grey sand, grey silt in wash water

19 rows selected.

**Information Disclaimer:**

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Date entered to WELL 19990219



Well Tag Number 000000075268	Construction Date 19980801
Owner: AGRICULTURE CANADA	Driller CLARK DRILLING SERVICES LTD
Address: 6947 LOUGHEED HIGHWAY	License Number
Area: AGASSIZ	
WELL LOCATION:	
YALE (YDYD) Land District	
District Lot 19 Plan Lot	
Township Section Range	
Indian Reserve Meridian Block	
Quarter	
Island	
BCGS Number (NAD 27) 092H022134 Well 22	PRODUCTION DATA AT TIME OF DRILLING:
Well Use Other	Well Yield 200 GPM
Construction Method Drilled	Artesian Flow 0
Diameter 10.0 inches	Static Level 8 feet
Well Depth 205.0 feet	
Elevation 0	Water Utility
Bedrock Depth feet	Lithology Info Flag
Screen from 103 to 201 feet	Pump Test Info Flag
Slot Size 1 25 Slot Size 2 15	File Info Flag
Slot Size 3 0 Slot Size 4 0	Sieve Info Flag
	Screen Info Flag
	Water Chemistry Info Flag
	Field Chemistry Info Flag
	Site Info (SEAM)
	Other Info Flag

GENERAL REMARKS:  
 GEOTHERMAL PURPOSE

From 0 To 4 Ft. brown silt, loam  
 From 4 To 8 Ft. 6" minus dry gravel  
 From 8 To 10 Ft. silty gravel, wet  
 From 10 To 30 Ft. 6" minus w-b gravel, skip graded  
 From 30 To 50 Ft. 6" minus w-b gravel  
 From 50 To 60 Ft. 6" minus w-b gravel, skip graded  
 From 60 To 78 Ft. well graded gravel, brown  
 From 78 To 80 Ft. coarse sand, brown  
 From 80 To 89 Ft. well graded gravel, 4" minus  
 From 89 To 108 Ft. skip graded coarse sand and stones  
 From 108 To 115 Ft. coarse sand, brown  
 From 115 To 125 Ft. skip graded sand & 4" minus stones  
 From 125 To 153 Ft. well graded gravel, brown  
 From 153 To 156 Ft. coarse sand, brown  
 From 156 To 162 Ft. 4" minus sand and stones, brown  
 From 162 To 172 Ft. coarse sand and some fine gravel  
 From 172 To 182 Ft. coarse sand  
 From 182 To 184 Ft. finer sand  
 From 184 To 190 Ft. coarse sand, brown  
 From 190 To 205 Ft. coarse sand, the odd stone

20 rows selected.

**Information Disclaimer:**

The Province disclaims all responsibility for the accuracy of information provided. Information provided should not be used as a basis for making financial or any other commitments.

Date entered to WELL 19990219

**APPENDIX V**

**INSURER'S ADVISORY ORGANIZATION SEARCH**



INSURERS' ADVISORY ORGANIZATION INC.  
A Subsidiary of Underwriters Adjustment Bureau Ltd.

British Columbia and Yukon Division  
Vancouver Office

840 Howe Street, Suite 400  
Box 39  
Vancouver, British Columbia  
V6Z 2M7

Telephone: (604) 684-1581  
Toll-Free: 1-800-665-5661  
Fax: (604) 688-6986  
Website: www.iao.ca

October 10, 2003

Simone Mol  
Golder Associates Ltd  
#500 - 4260 Still Creek Drive  
Burnaby, BC  
V5C 6C6

Address: 6947 Lougheed Hwy, Agassiz, BC  
Project #: 03-1412-127

Dear Simone,

As requested, we have searched our records concerning the above site and no Fire Insurance Maps or IAO insurance reports were found. A \$ 25.00 research fee for conducting the search will be applied. Our invoice will follow shortly.

Thank you for employing the services of the IAO.

Sincerely,

Douglas C. Brazeau  
Environmental Consultant  
IAO (Vancouver)



INSURERS' ADVISORY ORGANIZATION INC.  
A Subsidiary of Underwriters Adjustment Bureau Ltd

British Columbia and Yukon Division  
Vancouver Office

840 Howe Street, Suite 400  
Box 39  
Vancouver, British Columbia  
V6Z 2M7

Telephone: (604) 684-1581  
Toll-Free: 1-800-665-5661  
Fax: (604) 688-6986  
Website: www.iao.ca

November 26, 2003

Simone Mol  
Golder Associates Ltd  
#500 - 4260 Still Creek Drive  
Burnaby, BC  
V5C 6C6

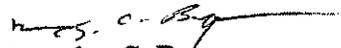
Address: 510 Clearbrook Road, Abbotsford, BC  
Project #: 03-1412-127

Dear Simone,

As requested, we have searched our records concerning the above site and no Fire Insurance Maps or IAO insurance reports were found. A \$ 25.00 research fee for conducting the search will be applied. Our invoice will follow shortly.

Thank you for employing the services of the IAO.

Sincerely,

  
Douglas C. Brazeau  
Environmental Consultant  
IAO (Vancouver)

*uzc 6066635*



INSURERS' ADVISORY ORGANIZATION INC.  
A Subsidiary of Underwriters Adjustment Bureau Ltd.

British Columbia and Yukon Division  
Vancouver Office

840 Howe Street, Suite 400  
Box 39  
Vancouver, British Columbia  
V6Z 2M7

Telephone: (604) 684-1581  
Toll-Free: 1-800-665-5661  
Fax: (604) 688-6986  
Website: www.iao.ca

April 29, 2004

Simone Mol  
Golder Associates Ltd  
#500 - 4260 Still Creek Drive  
Burnaby, BC  
V5C 6C6

Address: 31790 Wamsley Avenue, Abbotsford, BC  
Project #: N/A

Dear Simone,

As requested, we have searched our records concerning the above site and no Fire Insurance Maps or IAO insurance reports were found. No research fee will be applied for conducting this search.

Thank you for employing the services of the IAO.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Brazeau', written over a horizontal line.

Douglas C. Brazeau  
Environmental Consultant  
IAO (Vancouver)

**APPENDIX VI**  
**ENVIRONMENT CANADA RESPONSE**



Simone Mol  
Golder Associates Ltd.  
#500 - 4260 Still Creek Drive  
Burnaby, B.C. V5C 6C6

RECEIVED FEB 9 - 2004

OUR FILE: 4706-4-1

November 12, 2003

Dear Simone Mol:

RE: INFORMATION SEARCH on Agriculture Canada + Agassiz Research Station + Agriculture & Agrisood Canada + Canada Department of Agriculture + Department of Agriculture at

- 6947 Lougheed Highway, Agassiz, BC, and
- 510 Clearbrook Road, Abbotsford, BC, and
- 3179 Walmsley Avenue, Abbotsford, BC.

I am writing in response to your letter of November 3<sup>rd</sup>, 2003 (Job No: 03-1412-127).

We searched our records for files under the names of Agriculture Canada + Agassiz Research Station + Agriculture & Agrisood Canada + Canada Department of Agriculture + Department of Agriculture only.

Our search included:

- 1) Company notification to Environment Canada of PCB storage in British Columbia - our database includes # reports of PCB's in use,
- 2) Inspections records in British Columbia of non-compliance with the acts and regulations administered by Environment Canada (*C.E.P.A.* and the pollution provisions of the *Fisheries Act*),
- 3) Reports of any spills that may be connected with the company (our Spills Database has a record of reported spills between December 1983 and present in British Columbia).

The records in the Pacific and Yukon Region indicated no significant problems in the above areas.

Other than permits issued by the Ministry of Water, Land and Air Protection, I do not know if any permits, approvals or orders have been issued under other federal or provincial legislation by other government departments.

While the above information is correct and accurate to the best of our knowledge, it is the responsibility of the land owner/occupant to ensure compliance with all applicable regulations. Accordingly, this letter is written without prejudice to any future action which may be required for protection of public health and the environment.

Yours truly,

Bev Defehr  
Enforcement and Emergencies Division  
Environmental Protection Branch  
(604) 666-6201

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**APPENDIX VII**  
**BC SITE REGISTRY SEARCH**

As of: OCT 05, 2003 BC Online: Site Registry 03-10-09  
Folio: 03-1412-127 For: PA59614 GOLDER ASSOCIATES LTD. (BURNABY) 14:01:44  
Page 1

Synopsis Report

SITE LOCATION

Site ID: 1032 Latitude: 49d 14m 09.8s  
Victoria File: 26250-20/0650 Longitude: 121d 45m 40.3s  
Regional File: 26250-20/0149  
Region: SURREY, LOWER MAINLAND

Common Name:  
Site Address: 1756 HIGHWAY 9  
City: AGASSIZ Prov/State: BC  
Postal Code:

Registered: MAY 30, 1998 Updated: JAN 31, 2003 Detail Removed: JAN 31, 2003

Notations: 5 Participants: 10 Associated Sites: 0  
Documents: 7 Susp. Land Use: 2 Parcel Descriptions: 0

Location Description: LAT/LONG DERIVED BY DGPS WITH DCI/FM RTCM - FEB.6,1997

Status: ACTIVE - UNDER ASSESSMENT  
Fee category: UNRANKED

No Site Profile has been submitted for this site

End of Synopsis Report

As of: OCT 05, 2003 BC Online: Site Registry 03-10-09  
For: PA59614 GOLDER ASSOCIATES LTD. (BURNABY) 14:01:44  
Folio: 03-1412-127 Page 1

Synopsis Report

SITE LOCATION

Site ID: 1032 Latitude: 49d 14m 09.8s  
Victoria File: 26250-20/0650 Longitude: 121d 45m 40.3s  
Regional File: 26250-20/0149  
Region: SURREY, LOWER MAINLAND

Common Name:  
Site Address: 1756 HIGHWAY 9  
City: AGASSIZ Prov/State: BC  
Postal Code:

Registered: MAY 30, 1998 Updated: JAN 31, 2003 Detail Removed: JAN 31, 2003

Notations: 5 Participants: 10 Associated Sites: 0  
Documents: 7 Susp. Land Use: 2 Parcel Descriptions: 0

Location Description: LAT/LONG DERIVED BY DGPS WITH DCI/FM RTCM - FEB.6,1997

Status: ACTIVE - UNDER ASSESSMENT  
Fee category: UNRANKED

No Site Profile has been submitted for this site

End of Synopsis Report

As Of: NOV 16, 2003

BC Online: Site Registry

03/11/17

For: PA59614 GOLDER ASSOCIATES LTD. (BURNABY)

10:55:09

Folio: 031412127

Page 1

Area Nil Search

As of NOV 16, 2003, no records from the B.C. Environment Site Registry fall within 0.5 kilometers of coordinates

Latitude 49 degrees, 0 minutes, 45.8 seconds, and  
Longitude 122 degrees, 20 minutes, 15.4 seconds.

Sites may be revealed by searching with alternate search methods. For example, a site not revealed in an Area search may be revealed by searching with another piece of information such as PID, PIN, address or Crown Lands File Number

As Of: NOV 16, 2003

BC Online: Site Registry

03/11/17

Folio: 031412127

For: PA59614 GOLDER ASSOCIATES LTD. (BURNABY)

10:58:15

Page 1

Area Nil Search

As of NOV 16, 2003, no records from the B.C. Environment Site Registry fall within 0.5 kilometers of coordinates  
Latitude 49 degrees, 1 minutes, 25.7 seconds, and  
Longitude 122 degrees, 20 minutes, 46.7 seconds.

Sites may be revealed by searching with alternate search methods. For example, a site not revealed in an Area search may be revealed by searching with another piece of information such as PID, PIN, address or Crown Lands File Number

**APPENDIX VIII**  
**SITE RECONNAISSANCE PHOTOGRAPHS**



**PHOTOGRAPH 1**

Administration/laboratory building.



**PHOTOGRAPH 2**

Poultry house.

**Golder Associates**



**PHOTOGRAPH 3**

Chemical Storage Area.



**PHOTOGRAPH 4**

Cow barn (new).

**Golder Associates**



**PHOTOGRAPH 5**

Cow barn.



**PHOTOGRAPH 6**

Manure facility.

**Golder Associates**



**PHOTOGRAPH 7**

Pesticide building.



**PHOTOGRAPH 8**

Waste pesticide AST.

**Golder Associates**



**PHOTOGRAPH 9**

Feed mill.



**PHOTOGRAPH 10**

Location of former Hydrochloric Acid AST.

**Golder Associates**



**PHOTOGRAPH 11**

Compost facility.



**PHOTOGRAPH 12**

Equipment Maintenance.

**Golder Associates**



**PHOTOGRAPH 13**

Fuel and oil storage.



**PHOTOGRAPH 14**

Implement shed.  
**Golder Associates**



**PHOTOGRAPH 15**

Carpenter shop, Entomology laboratory, and Post Harvet Physiology laboratory.



**PHOTOGRAPH 16**

Sewerage treatment facility (Farm 2).

**Golder Associates**



**PHOTOGRAPH 17**

Sludge stockpile (Farm 2).



**PHOTOGRAPH 18**

Equipment storage shed and AST.



**PHOTOGRAPH 19**

Inside equipment storage shed.

**Golder Associates**



**PHOTOGRAPH 20**

House, AST, storage shed.



**PHOTOGRAPH 21**

Equipment storage shed.



**PHOTOGRAPH 22**

Inside equipment storage shed.

**Golder Associates**



**PHOTOGRAPH 23**

Pesticide, fertilizer and paint shed.



**PHOTOGRAPH 24**

Inside pesticide, fertilizer and paint shed.

**Golder Associates**



**PHOTOGRAPH 25**

Screenhouse, former fuel shed and storage shed.



**PHOTOGRAPH 26**

Pumphouse and weather station.

**APPENDIX IX**

**BOREHOLE LOGS AND MONITORING  
WELL INSTALLATION DETAILS**

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES						OVM ppm	OVM ppm	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION						
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %					OVM ppm					
														5	10	15	20		
0		Ground Surface		0.00															
1		Firm, moist, brown, coarse gravelly SILT, some cobbles. - no odours.		1	CC		1	100											
2	1.22			2	CC														
3		Loose, moist, brown, medium SAND and rounded GRAVEL, some small cobbles. - no odours. - below 3.05m depth: cobbly.		3	CC														
4	3.66			4	CC														
5	Sonic Drilling Ltd. 152mm O.D. Sonic Drilling	Compact, wet, brown, coarse SAND, some cobbles. - no odours.		5	CC														
6				6	CC														
7				7	CC														
8				8	CC														
9				8.53	7	CC													
10				9	CC														
11				10.06	4	CC													
12		End of MONITORING WELL.																	
13																			
14																			
15																			

ENVIROLOG 03-1412-127.GPJ GLDR\_CAN.GDT 7/5/04

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE			SAMPLES				OVM ppm				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV.	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5	10	15			20
				DEPTH (m)						OVM ppm					
0		Ground Surface		0.00											
1		Firm, moist, brown SILT, trace fine sand. - no odours.			1	CC		100	⊕						Concrete. Silica Sand
2		Compact, damp, brown, medium, gravelly SAND, occasional cobbles. - no odours. - below 2.13m depth: light grey.		1.22	2	CC		100	⊕						Bentonite Seal
3		Compact, wet, grey-brown, medium to coarse SAND and GRAVEL, occasional cobbles. - no odours.		2.44	3	CC		100	⊕						Cuttings
4	4		CC		2	100	⊕								
5			5.49		4	CC		100	⊕						
6		Dense, wet, grey GRAVEL, some coarse sand, some cobbles. - below 7.32m depth: sandy.			5	CC		100	⊕						Bentonite Seal
7			3	CC		3	100	⊕						10/20 Silica Sand	
8			6	CC		4	100	⊕						#10 Slotted Screen 50mm dia. Schedule 40 PVC Pipe	
9		End of MONITORING WELL.			6	CC		100	⊕						
10			10.06												
11															
12															
13															
14															
15															

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES					OVM ppm				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	<input type="checkbox"/>					
										5	10	15			20
0		Ground Surface		0.00											
1	Sonic Drilling Ltd. 152mm O.D. Sonic Drilling	Compact, moist, brown, fine SAND and GRAVEL, occasional cobbles. - no odours. - below 0.9m depth: dry, light grey and brown, no cobbles.		1	CC		1	100	⊕						Concrete. Silica Sand  Bentonite Seal
2				2	CC				⊕						
3		Dense, wet, grey, coarse, sandy GRAVEL, occasional cobbles. - no odours.		2.44											
4		Dense, wet, grey, coarse SAND and GRAVEL, occasional cobbles. - no odours.		3	CC			2	100	⊕					Cuttings
5				4	CC				⊕						
6		Dense, wet, grey, coarse, sandy GRAVEL, occasional cobbles. - no odours.		6.10											
7				5	CC			3	100	⊕					Bentonite Seal  10/20 Silica Sand
8	Dense, wet, grey, coarse, sandy GRAVEL, occasional cobbles. - no odours.		6	CC				⊕							
9	End of MONITORING WELL.		7	CC			4	100	⊕					#10 Slotted Screen 50mm dia. Schedule 40 PVC Pipe	
10			10.06												
11															
12															
13															
14															
15															

ENVIROLOG 03-1412-127.GPJ GLDR\_CAN.GDT 7/5/04



**APPENDIX X**  
**LABORATORY REPORTS**

RECEIVED FEB 24 2004



**ALS Environmental**

# CHEMICAL ANALYSIS REPORT

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**Date:** February 19, 2004

**ALS File No.** T9344

**Report On:** 03-1412-127 Water Analysis

**Report To:** **Golder Associates Ltd.**  
500 - 4260 Still Creek Drive  
Burnaby, BC  
V5C 6C6

**Attention:** **Ms. Simone Mol**

**Received:** February 6, 2004

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**ALS ENVIRONMENTAL**

per:

Scott P. Hoekstra, B.Sc. - Project Chemist  
Amber Springer, B.Sc. - Project Chemist

**RESULTS OF ANALYSIS - Water**



Sample ID	8588-01	8588-02	8588-03	8588-04	8588-05
Sample Date	04-02-05	04-02-05	04-02-05	04-02-05	04-02-05
ALS ID	1	2	3	4	5

**Physical Tests**

Colour	(CU)	-	-	-	-	-
Conductivity	(uS/cm)	-	-	-	-	-
Total Dissolved Solids		-	-	-	-	-
Hardness	CaCO3	-	-	-	-	70.8
pH		-	-	-	-	-
Turbidity	(NTU)	-	-	-	-	-

**Nutrients**

Nitrate Nitrogen	N	8.73	5.54	3.80	0.376	6.66
Nitrite Nitrogen	N	0.0024	<0.0010	<0.0010	<0.0010	0.0313

Results are expressed as milligrams per litre except where noted.  
 < = Less than the detection limit indicated.  
 VPH = Volatile Petroleum Hydrocarbons.  
 EPH = Extractable Petroleum Hydrocarbons.  
 EPH10-19 is equivalent to EHW10-19.  
 LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

File No. T9344

## RESULTS OF ANALYSIS - Water



Sample ID 8588-05  
Sample Date 04-02-05  
ALS ID 5

### Dissolved Metals

Aluminum	D-Al	0.0228
Antimony	D-Sb	<0.00050
Arsenic	D-As	<0.00050
Barium	D-Ba	0.028
Beryllium	D-Be	<0.0010
Boron	D-B	<0.10
Cadmium	D-Cd	0.000123
Calcium	D-Ca	19.3
Chromium	D-Cr	<0.0010
Cobalt	D-Co	0.00224
Copper	D-Cu	<0.0010
Iron	D-Fe	<0.030
Lead	D-Pb	<0.00050
Lithium	D-Li	<0.0050
Magnesium	D-Mg	5.50
Manganese	D-Mn	0.378
Mercury	D-Hg	<0.000050
Molybdenum	D-Mo	<0.0010
Nickel	D-Ni	0.0036
Potassium	D-K	4.0
Selenium	D-Se	<0.0010
Silver	D-Ag	<0.000020
Sodium	D-Na	3.8
Thallium	D-Tl	<0.00020
Tin	D-Sn	<0.00050
Titanium	D-Ti	<0.010
Uranium	D-U	<0.00020
Vanadium	D-V	<0.030
Zinc	D-Zn	<0.0050

Results are expressed as milligrams per litre except where noted.

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EPH = Extractable Petroleum Hydrocarbons.

EPH10-19 is equivalent to EHW10-19.

LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

File No. T9344

## RESULTS OF ANALYSIS - Water



Sample ID 8588-05

Sample Date 04-02-05  
ALS ID 5

### Non-Halogenated Volatiles

Benzene	<0.00050
Ethylbenzene	<0.00050
Styrene	<0.0010
Toluene	<0.0010
meta- & para-Xylene	<0.00050
ortho-Xylene	<0.00050
Total Xylenes	<0.0010
Volatile Hydrocarbons (VH6-10)	<0.10
VPH	<0.10

### Polycyclic Aromatic Hydrocarbons

Acenaphthene	<0.000050
Acenaphthylene	<0.000050
Acridine	<0.000050
Anthracene	<0.000050
Benz(a)anthracene	<0.000050
Benzo(a)pyrene	<0.000010
Benzo(b)fluoranthene	<0.000050
Benzo(g,h,i)perylene	<0.000050
Benzo(k)fluoranthene	<0.000050
Chrysene	<0.000050
Dibenz(a,h)anthracene	<0.000050
Fluoranthene	<0.000050
Fluorene	<0.000050
Indeno(1,2,3-c,d)pyrene	<0.000050
Naphthalene	<0.000050
Phenanthrene	<0.000050
Pyrene	<0.000050
Quinoline	<0.000050

### Extractable Hydrocarbons

EPH10-19	<0.30
EPH19-32	<1.0
LEPH	<0.30
HEPH	<1.0

Results are expressed as milligrams per litre except where noted.

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EPH = Extractable Petroleum Hydrocarbons.

EPH10-19 is equivalent to EHW10-19.

LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

File No. T9344

**RESULTS OF ANALYSIS - Water**



Sample ID 8588-05

Sample Date 04-02-05  
ALS ID 5

**Polychlorinated Biphenyls**

Total Polychlorinated Biphenyls <0.0010

**Organochlorine Pesticides**

Aldrin	<0.000050
alpha-BHC	<0.000050
beta-BHC	<0.00010
delta-BHC	<0.000050
cis-Chlordane (alpha)	<0.000050
trans-Chlordane (gamma)	<0.000050
2,4'-DDD	<0.00010
4,4'-DDD	<0.000050
2,4'-DDE	<0.00010
4,4'-DDE	<0.000050
2,4'-DDT	<0.00010
4,4'-DDT	<0.00010
Dieldrin	<0.000050
Endosulfan I	<0.000050
Endosulfan II	<0.000050
Endosulfan Sulfate	<0.000050
Endrin	<0.00020
Heptachlor	<0.00010
Heptachlor Epoxide	<0.000050
Lindane (gamma - BHC)	<0.000050
Methoxychlor	<0.00020
Mirex	<0.000050
cis-Nonachlor	<0.000050
trans-Nonachlor	<0.000050
Oxychlordane	<0.000050

Results are expressed as milligrams per litre except where noted.

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EPH = Extractable Petroleum Hydrocarbons.

EPH10-19 is equivalent to EHw10-19.

LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

**RESULTS OF ANALYSIS - Water**

Sample ID 8588-05

Sample Date 04-02-05  
ALS ID 5**Organophosphate Pesticides**

Azinphos methyl	<0.00050
Carbophenothion	<0.00050
Chlorpyrifos	<0.00050
Coumaphos	<0.00050
Diazinon	<0.00050
Dichlorvos/Naled	<0.00050
Dimethoate	<0.00050
Disulfoton	<0.00050
Ethion	<0.00050
Fenitrothion	<0.00050
Fensulfothion	<0.00050
Fenthion	<0.00050
Fonofos	<0.00050
Malathion	<0.00050
Mevinphos (Total)	<0.00050
Parathion	<0.00050
Parathion-methyl	<0.00050
Phorate	<0.00050
Phosalone	<0.00050
Phosmet	<0.00050
Terbufos	<0.00050

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Results are expressed as milligrams per litre except where noted.

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VPH = Volatile Petroleum Hydrocarbons.

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LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

**RESULTS OF ANALYSIS - Water**

Sample ID			8588-06	8588-07	8588-08	8588-09	8588-10
Sample Date			04-02-05	04-02-05	04-02-05	04-02-05	04-02-05
ALS ID			6	7	8	9	10
<b>Physical Tests</b>							
Colour	(CU)		-	-	-	<5.0	<5.0
Conductivity	(uS/cm)		-	-	-	262	285
Total Dissolved Solids			-	-	-	165	166
Hardness	CaCO3		24.9	78.9	-	135	144
pH			-	-	-	8.12	8.20
Turbidity	(NTU)		-	-	-	0.36	<0.10
<b>Dissolved Anions</b>							
Alkalinity-Total		CaCO3	-	-	-	116	137
Chloride	Cl		-	-	-	3.10	2.93
Fluoride	F		-	-	-	0.062	0.058
Sulphate	SO4		-	-	-	18.4	9.5
<b>Nutrients</b>							
Nitrate Nitrogen		N	3.31	3.65	3.70	<0.0050	0.564
Nitrite Nitrogen		N	0.0354	0.313	0.150	<0.0010	0.0329

Results are expressed as milligrams per litre except where noted.

< = Less than the detection limit indicated.

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EPH = Extractable Petroleum Hydrocarbons.

EPH10-19 is equivalent to EHw10-19.

LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

**RESULTS OF ANALYSIS - Water**

Sample ID	8588-06	8588-07	8588-09	8588-10
Sample Date	04-02-05	04-02-05	04-02-05	04-02-05
ALS ID	6	7	9	10

**Dissolved Metals**

Aluminum	D-Al	0.112	0.0726	<0.0050	<0.0050
Antimony	D-Sb	<0.00050	<0.00050	<0.00050	<0.00050
Arsenic	D-As	<0.00050	<0.00050	0.00378	0.00407
Barium	D-Ba	0.035	0.113	0.042	0.042
Beryllium	D-Be	<0.0010	<0.0010	<0.0010	<0.0010
Boron	D-B	<0.10	<0.10	<0.10	<0.10
Cadmium	D-Cd	0.000114	0.000337	<0.000050	<0.000050
Calcium	D-Ca	7.06	22.8	39.8	41.6
Chromium	D-Cr	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt	D-Co	0.00203	0.00935	0.00083	0.00064
Copper	D-Cu	<0.0010	<0.0010	<0.0010	<0.0010
Iron	D-Fe	0.055	2.16	0.030	<0.030
Lead	D-Pb	<0.00050	<0.00050	<0.00050	<0.00050
Lithium	D-Li	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium	D-Mg	1.76	5.32	8.65	9.62
Manganese	D-Mn	0.397	1.85	0.387	0.953
Mercury	D-Hg	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum	D-Mo	<0.0010	<0.0010	0.0015	<0.0010
Nickel	D-Ni	0.0047	0.0071	<0.0010	<0.0010
Potassium	D-K	6.5	8.6	<2.0	2.7
Selenium	D-Se	<0.0010	<0.0010	<0.0010	<0.0010
Silver	D-Ag	<0.000020	<0.000020	<0.000020	<0.000020
Sodium	D-Na	3.6	4.4	3.7	3.4
Thallium	D-Tl	<0.00020	<0.00020	<0.00020	<0.00020
Tin	D-Sn	<0.00050	<0.00050	<0.00050	<0.00050
Titanium	D-Ti	<0.010	<0.010	<0.010	<0.010
Uranium	D-U	<0.00020	<0.00020	0.00021	<0.00020
Vanadium	D-V	<0.030	<0.030	<0.030	<0.030
Zinc	D-Zn	<0.0050	<0.0050	0.0259	0.0056

Results are expressed as milligrams per litre except where noted.

< = Less than the detection limit indicated.

VPH = Volatile Petroleum Hydrocarbons.

EPH = Extractable Petroleum Hydrocarbons.

EPH10-19 is equivalent to EHW10-19.

LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

**RESULTS OF ANALYSIS - Water**

Sample ID	8588-06	8588-07
Sample Date	04-02-05	04-02-05
ALS ID	6	7

**Non-Halogenated Volatiles**

Benzene	<0.00050	<0.00050
Ethylbenzene	<0.00050	<0.00050
Styrene	<0.0010	<0.0010
Toluene	<0.0010	<0.0010
meta- & para-Xylene	<0.00050	<0.00050
ortho-Xylene	<0.00050	<0.00050
Total Xylenes	<0.0010	<0.0010
Volatile Hydrocarbons (VH6-10)	<0.10	<0.10
VPH	<0.10	<0.10

**Polycyclic Aromatic Hydrocarbons**

Acenaphthene	<0.000050	<0.000050
Acenaphthylene	<0.000050	<0.000050
Acridine	<0.000050	<0.000050
Anthracene	<0.000050	<0.000050
Benz(a)anthracene	<0.000050	<0.000050
Benzo(a)pyrene	<0.000010	<0.000010
Benzo(b)fluoranthene	<0.000050	<0.000050
Benzo(g,h,i)perylene	<0.000050	<0.000050
Benzo(k)fluoranthene	<0.000050	<0.000050
Chrysene	<0.000050	<0.000050
Dibenz(a,h)anthracene	<0.000050	<0.000050
Fluoranthene	<0.000050	<0.000050
Fluorene	<0.000050	<0.000050
Indeno(1,2,3-c,d)pyrene	<0.000050	<0.000050
Naphthalene	<0.000050	<0.000050
Phenanthrene	<0.000050	<0.000050
Pyrene	<0.000050	<0.000050
Quinoline	<0.000050	<0.000050

**Extractable Hydrocarbons**

EPH10-19	<0.30	<0.30
EPH19-32	<1.0	<1.0
LEPH	<0.30	<0.30
HEPH	<1.0	<1.0

Results are expressed as milligrams per litre except where noted.

< = Less than the detection limit indicated.

VPH = Volatile Petroleum Hydrocarbons.

EPH = Extractable Petroleum Hydrocarbons.

EPH10-19 is equivalent to EHW10-19.

LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

**RESULTS OF ANALYSIS - Water**

Sample ID	8588-06	8588-07	8588-08	8588-09	8588-10
Sample Date	04-02-05	04-02-05	04-02-05	04-02-05	04-02-05
ALS ID	6	7	8	9	10

**Polychlorinated Biphenyls**

Total Polychlorinated Biphenyls	<0.0010	<0.0010	-	-	-
---------------------------------	---------	---------	---	---	---

**Organochlorine Pesticides**

Aldrin	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
alpha-BHC	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
beta-BHC	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
delta-BHC	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
cis-Chlordane (alpha)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
trans-Chlordane (gamma)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
2,4'-DDD	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
4,4'-DDD	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
2,4'-DDE	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
4,4'-DDE	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
2,4'-DDT	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
4,4'-DDT	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Dieldrin	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Endosulfan I	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Endosulfan II	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Endosulfan Sulfate	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Endrin	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Heptachlor	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Heptachlor Epoxide	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lindane (gamma - BHC)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Methoxychlor	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mirex	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
cis-Nonachlor	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
trans-Nonachlor	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Oxychlordane	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050

Results are expressed as milligrams per litre except where noted.

< = Less than the detection limit indicated.

VPH = Volatile Petroleum Hydrocarbons.

EPH = Extractable Petroleum Hydrocarbons.

EPH10-19 is equivalent to EHW10-19.

LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

**RESULTS OF ANALYSIS - Water**

Sample ID	8588-06	8588-07	8588-08	8588-09	8588-10
Sample Date	04-02-05	04-02-05	04-02-05	04-02-05	04-02-05
ALS ID	6	7	8	9	10
<b><u>Organophosphate Pesticides</u></b>					
Azinphos methyl	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Carbophenothion	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorpyrifos	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Coumaphos	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Diazinon	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Dichlorvos/Naled	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Dimethoate	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Disulfoton	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethion	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Fenitrothion	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Fensulfothion	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Fenthion	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Fonofos	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Malathion	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Mevinphos (Total)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Parathion	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Parathion-methyl	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Phorate	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Phosalone	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Phosmet	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Terbufos	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Results are expressed as milligrams per litre except where noted.

< = Less than the detection limit indicated.

VPH = Volatile Petroleum Hydrocarbons.

EPH = Extractable Petroleum Hydrocarbons.

EPH10-19 is equivalent to EHW10-19.

LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

**Appendix 1 - QUALITY CONTROL - Replicates**



Water	8588-08	8588-08
	04-02-05	QC # 374346

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**Nutrients**

Nitrate Nitrogen	N	3.70	3.70
Nitrite Nitrogen	N	0.150	0.150

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Results are expressed as milligrams per litre except where noted.  
< = Less than the detection limit indicated.  
VPH = Volatile Petroleum Hydrocarbons.  
EPH = Extractable Petroleum Hydrocarbons.  
EPH10-19 is equivalent to EHw10-19.  
LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

## Appendix 2 - METHODOLOGY



Outlines of the methodologies utilized for the analysis of the samples submitted are as follows

### Dissolved Anions in Water by Ion Chromatography

This analysis is carried out using procedures adapted from APHA Method 4110 "Determination of Anions by Ion Chromatography" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Anions are determined by filtering the sample through a 0.45 micron membrane filter and injecting the filtrate onto a Dionex IonPac AG17 anion exchange column with a hydroxide eluent stream. Anions routinely determined by this method include: bromide, chloride, fluoride, nitrate, nitrite and sulphate.

Recommended Holding Time:

Sample: 28 days (bromide, chloride, fluoride, sulphate)

Sample: 2 days (nitrate, nitrite)

Reference: APHA and EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

### Conventional Parameters in Water

These analyses are carried out in accordance with procedures described in "Methods for Chemical Analysis of Water and Wastes" (USEPA), "Manual for the Chemical Analysis of Water, Wastewaters, Sediments and Biological Tissues" (BCMOE), and/or "Standard Methods for the Examination of Water and Wastewater" (APHA). Further details are available on request.

### Metals in Water

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" 20th Edition 1998 published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotplate or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by atomic absorption/emission spectrophotometry (EPA Method 7000 series), inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B), and/or inductively coupled plasma - mass spectrometry (EPA Method 6020).

Recommended Holding Time:

Sample: 6 months

Reference: EPA

For more detail see: ALS "Collection & Sampling Guide"

### Mercury in Water

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" 20th Edition 1998 published by the American Public Health Association, and with procedures



## Appendix 2 - METHODOLOGY - Continued

adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic absorption and/or fluorescence spectrophotometry (EPA Method 7470A/7471A/245.7).

Recommended Holding Time:

Sample: 28 days

Reference: EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

### Volatile Organic Compounds and Volatile Hydrocarbons in Water

This procedure involves the purge and trap extraction of the sample prior to analysis for Volatile Hydrocarbons (VH) by capillary column gas chromatography with flame-ionization detection (GC/FID) and for specific Volatile Organic Compounds (VOC) by capillary column gas chromatography with mass spectrometric detection (GC/MS). The VH analysis is carried out in accordance with the British Columbia Ministry of Environment, Lands and Parks (BCMELP) Analytical Method for Contaminated Sites "Volatile Hydrocarbons in Water by GC/FID" (Version 2.1, July 1999). The VOC analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 8260, published by the United States Environmental Protection Agency (EPA).

Note:

For chlorinated waters certain conditions may cause the formation of trihalomethanes after sample collection. Appropriate chemical treatment of chlorinated waters will prevent trihalomethane formation in the samples.

Recommended Holding Time:

Sample: 7 days (VH); 14 days (VOC)

Reference: BCWLAP (VH); EPA (VOC)

For more detail see ALS Environmental "Collection & Sampling Guide"

### Calculation of Total Xylenes

Total Xylenes is the sum of the ortho, meta, and para Xylene isomer concentrations. It is calculated by adding the concentrations of all Xylene isomers that are greater than their detection limits. Results that are below detection limit are treated as zero. The detection limit for this parameter is equal to the sum of the detection limits of the individual xylene parameters.

### Volatile Petroleum Hydrocarbons (VPH) in Water

These results are determined according to the British Columbia Ministry of Environment, Lands, and Parks Analytical Method for Contaminated Sites "Calculation of Volatile Petroleum Hydrocarbons in Solids or Water" (Version 2.1, July 20, 1999). According to this method, the concentrations



## Appendix 2 - METHODOLOGY - Continued

of specific Monocyclic Aromatic Hydrocarbons (Benzene, Toluene, Ethylbenzene, and Xylenes) are subtracted from the collective concentration of Volatile Hydrocarbons (VH) that elute between n-hexane (nC6) and n-decane (nC10). Analysis of Volatile Hydrocarbons adheres to all prescribed elements of BCMELP method "Volatile Hydrocarbons in Water by GC/FID" (Version 2.1, July 20, 1999).

Recommended Holding Time: Not Applicable

### Polycyclic Aromatic Hydrocarbons in Water

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3510, 3630 & 8270, published by the United States Environmental Protection Agency (EPA). The procedure involves extraction of the entire water sample with dichloromethane. The extract is then solvent exchanged to toluene prior to analysis by capillary column gas chromatography with mass spectrometric detection (GC/MS).

Recommended Holding Time:

Sample: 7 days                      Extract: 40 days

Reference: EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

### Extractable Hydrocarbons in Water

This analysis is carried out in accordance with the British Columbia Ministry of Environment, Lands and Parks (BCMELP) Analytical Method for Contaminated Sites "Extractable Petroleum Hydrocarbons in Water by GC/FID" (Version 2.1, July 1999). The procedure involves extraction of the entire water sample with dichloromethane. The extract is then solvent exchanged to toluene and analysed by capillary column gas chromatography with flame ionization detection (GC/FID). EPH results include Polycyclic Aromatic Hydrocarbons (PAH) and are therefore not equivalent to Light and Heavy Extractable Petroleum Hydrocarbons (LEPH/HEPH).

Recommended Holding Time:

Sample: 7 days                      Extract: 40 days

Reference: BCMELP

For more detail see ALS Environmental "Collection & Sampling Guide"

### Light and Heavy Extractable Petroleum Hydrocarbons in Water

These results are determined according to the British Columbia Ministry of Environment, Lands, and Parks Analytical Method for Contaminated Sites "Calculation of Light and Heavy Extractable Petroleum Hydrocarbons in Solids or Water". According to this method, LEPH and HEPH are calculated by subtracting selected Polynuclear Aromatic Hydrocarbon results from Extractable Petroleum Hydrocarbon results. To calculate LEPH, the individual results for Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene, and Phenanthrene are subtracted from EPH(C10-19). To calculate HEPH, the individual results for Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene are subtracted from EPH(C19-32).



## Appendix 2 - METHODOLOGY - Continued

Analysis of Extractable Petroleum Hydrocarbons adheres to all prescribed elements of the BCMELP method "Extractable Petroleum Hydrocarbons in Water by GC/FID" (Version 2.1, July 20, 1999).

Recommended Holding Time: Not Applicable

### Polychlorinated Biphenyls in Water

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3510, 3620, 3660, 3665 & 8082, published by the United States Environmental Protection Agency (EPA). The procedure involves a liquid-liquid extraction of the entire water sample using dichloromethane. The extract is then solvent exchanged to hexane followed by one or more of the following clean-up procedures (if required): florisil clean-up, sulphur clean-up and/or sulphuric acid clean-up. The final extract is analysed by capillary column gas chromatography with electron capture detection (GC/ECD).

Recommended Holding Time:

Sample: 7 days                      Extract: 40 days

Reference: EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

### Organochlorine Pesticides in Water

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3510, 3610, 3630, 3660 & 8081, published by the United States Environmental Protection Agency (EPA). The procedure involves extraction of the entire water sample with dichloromethane. The extract is then solvent exchanged to hexane followed by one or more of the following clean-up procedures (if required): alumina clean-up, silica gel clean-up and/or sulphur clean-up. The final extract is analysed by dual capillary column gas chromatography with electron capture detection (GC/ECD) and/or mass spectrometric detection (GC/MS).

Recommended Holding Time:

Sample: 7 days                      Extract: 40 days

Reference: EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

### Organophosphate Pesticides in Water

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3510, 8141 & 8270 published by the United States Environmental Protection Agency (EPA). The procedure involves extraction of the entire water sample with dichloromethane. The extract is then solvent exchanged to hexane and analysed by capillary column gas chromatography with mass spectrometric detection (GC/MS).

Recommended Holding Time:

Sample: 7 days                      Extract: 40 days

## Appendix 2 - METHODOLOGY - Continued



Reference: EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

### Colour in Water

This analysis is carried out using procedures adapted from APHA Method 2120 "Color". Colour (true colour) is determined by filtering a sample through a 0.45 micron membrane filter followed by analysis of the filtrate using the platinum-cobalt colourimetric method.

Recommended Holding Time:

Sample: 2 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### Conductivity in Water

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

Recommended Holding Time:

Sample: 28 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### Solids in Water

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total dissolved solids (TDS) and total suspended solids (TSS) are determined by filtering a sample through a glass fibre filter, TDS is determined by evaporating the filtrate to dryness at 180 degrees celsius, TSS is determined by drying the filter at 104 degrees celsius. Total solids are determined by evaporating a sample to dryness at 104 degrees celsius. Fixed and volatile solids are determined by igniting a dried sample residue at 550 degrees celsius.

Recommended Holding Time:

Sample: 7 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### pH in Water

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode.

Recommended Holding Time:

Sample: 2 hours

Reference: APHA

File No. T9344

## Appendix 2 - METHODOLOGY - Continued



For more detail see ALS Environmental "Collection & Sampling Guide"

### **Turbidity of Water**

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

Recommended Holding Time:

Sample: 2 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### **Alkalinity in Water by Colourimetry**

This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.

Recommended Holding Time:

Sample: 14 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

**Results contained within this report relate only to the samples as submitted.**

**This Chemical Analysis Report shall only be reproduced in full, except with the written approval of ALS Environmental.**

**End of Report**

# CHAIN OF CUSTODY RECORD/ANALYSIS REQUEST



500 - 4260 Still Creek Drive  
 Burnaby, British Columbia, Canada V5C 6C6  
 Telephone (604) 298-6623 Fax (604) 298-5253

Office the final reports should be sent to:

500-4260 Still Creek Dr.  
 Burnaby, B.C.  
 V5C 6C6  
 Tel: (604) 298-6623;  
 Fax: (604) 298-5253

202 - 2790 Gladwin Road  
 Abbotsford, B.C.  
 V2T 4S8  
 Tel: (604) 850-8786  
 Fax: (604) 850-8756

220 - 174 Wilson Street  
 Victoria, B.C.  
 V9A 7N6  
 Tel: (250) 881-7372  
 Fax: (250) 881-7470

Project Number: 03-142-177  
 Laboratory Name: ALS  
 Address: 1968 Fourth St  
 Telephone/Fax: 604-298-4488  
 Contact: Andy Spinger  
 Golder Contact: Amy Robinson  
 Golder E-mail Address: arobinson@golder.com

Sample Control Number (SCN)	Sample Matrix (over)	Date Sampled (D / M / Y)	Analyses Required										Remarks (over)	
			Number of Containers	Ntr/10-Uthale	Ps/10-ides	PCRS	NOTALS (5g)	BTX / VPH	ITR / IETH	EDACH/MS/10g	RUSH			
T9344	H <sub>2</sub> O	05/02/04	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 01				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 02				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 03				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 04				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 05				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 06				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 07				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 08				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 09				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8588 - 10				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
- 11														
- 12														

Relinquished by: Signature [Signature] Company \_\_\_\_\_ Date \_\_\_\_\_  
 Relinquished by: Signature \_\_\_\_\_ Company \_\_\_\_\_ Date \_\_\_\_\_  
 Method of Shipment: \_\_\_\_\_ Waybill No.: \_\_\_\_\_  
 Shipped by: \_\_\_\_\_ Shipment Condition: \_\_\_\_\_ Seal Intact: \_\_\_\_\_  
 Received for Lab by: \_\_\_\_\_ Date \_\_\_\_\_  
 Temp (°C) \_\_\_\_\_ Cooler opened by: LS Date 05/02/04  
 Time \_\_\_\_\_ Company \_\_\_\_\_  
 Time \_\_\_\_\_ Company \_\_\_\_\_  
 Time \_\_\_\_\_ Date \_\_\_\_\_  
 Time \_\_\_\_\_ Date \_\_\_\_\_

Comments: stored in ice



# CHEMICAL ANALYSIS REPORT

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**Date:** February 19, 2004

**ALS File No.** T9345

**Report On:** 03-1412-127 Soil/Water Analysis

**Report To:** **Golder Associates Ltd.**  
500 - 4260 Still Creek Drive  
Burnaby, BC  
V5C 6C6

**Attention:** **Ms. Simone Mol**

**Received:** February 6, 2004

---

**ALS ENVIRONMENTAL**

per:

Scott P. Hoekstra, B.Sc. - Project Chemist  
Amber Springer, B.Sc. - Project Chemist

**RESULTS OF ANALYSIS - Sediment/Soil <sup>1</sup>**

Sample ID		8589-01	8589-02	8589-03	8589-04	8589-05
Sample Date		04-02-05	04-02-05	04-02-05	04-02-05	04-02-05
ALS ID		1	2	3	4	5
<b>Physical Tests</b>						
Moisture	%	-	-	-	4.76	4.45
pH		6.41	8.24	8.18	5.81	5.94
<b>Total Metals</b>						
Antimony	T-Sb	<10	<10	<10	<10	<10
Arsenic	T-As	<5.0	<5.0	<5.0	7.6	5.7
Barium	T-Ba	171	108	111	75.4	72.3
Beryllium	T-Be	<0.50	<0.50	<0.50	<0.50	<0.50
Cadmium	T-Cd	0.76	<0.50	<0.50	2.01	1.57
Chromium	T-Cr	3.6	<2.0	<2.0	27.5	25.4
Cobalt	T-Co	<2.0	<2.0	<2.0	12.3	7.9
Copper	T-Cu	16.9	9.4	11.9	39.9	59.0
Lead	T-Pb	<50	<50	<50	<50	61
Mercury	T-Hg	<0.050	<0.050	<0.050	0.086	0.051
Molybdenum	T-Mo	<4.0	<4.0	5.7	<4.0	<4.0
Nickel	T-Ni	5.3	<5.0	<5.0	36.4	22.7
Selenium	T-Se	<2.0	<3.0	<2.0	<2.0	<2.0
Silver	T-Ag	<2.0	<2.0	<2.0	<2.0	<2.0
Tin	T-Sn	<5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	T-V	5.5	2.2	3.0	39.6	43.1
Zinc	T-Zn	80.1	35.6	41.6	167	115

< = Less than the detection limit indicated.

EPH = Extractable Petroleum Hydrocarbons.

<sup>1</sup>Results are expressed as milligrams per dry kilogram except where noted.

File No. T9345

**RESULTS OF ANALYSIS - Sediment/Soil<sup>1</sup>**



Sample ID	8589-04	8589-05
Sample Date	04-02-05	04-02-05
ALS ID	4	5

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**Extractable Hydrocarbons**

EPH10-19	240	<200
EPH19-32	1780	500

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< = Less than the detection limit indicated.

EPH = Extractable Petroleum Hydrocarbons.

<sup>1</sup>Results are expressed as milligrams per dry kilogram except where noted.

File No. T9345

**RESULTS OF ANALYSIS - Water<sup>1</sup>**



Sample ID 8589-06

Sample Date 04-02-05  
ALS ID 6

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**Physical Tests**

Colour	(CU)	<5.0
Conductivity	(uS/cm)	271
Total Dissolved Solids		157
Hardness	CaCO3	90.5
pH		7.79
Turbidity	(NTU)	17.9

**Dissolved Anions**

Alkalinity-Total		CaCO3	39.6
Chloride	Cl		20.9
Fluoride	F		0.036
Sulphate	SO4		21.9

**Nutrients**

Nitrate Nitrogen		N	8.99
Nitrite Nitrogen		N	0.0060

---

< = Less than the detection limit indicated.  
EPH = Extractable Petroleum Hydrocarbons.  
<sup>1</sup>Results are expressed as milligrams per litre except where noted.

**RESULTS OF ANALYSIS - Water<sup>1</sup>**

Sample ID 8589-06

Sample Date 04-02-05  
ALS ID 6**Dissolved Metals**

Aluminum	D-Al	<0.0050
Antimony	D-Sb	<0.00050
Arsenic	D-As	<0.00050
Barium	D-Ba	<0.020
Beryllium	D-Be	<0.0010
Boron	D-B	<0.10
Cadmium	D-Cd	0.000085
Calcium	D-Ca	26.9
Chromium	D-Cr	<0.0010
Cobalt	D-Co	0.00045
Copper	D-Cu	0.0048
Iron	D-Fe	0.626
Lead	D-Pb	<0.00050
Lithium	D-Li	<0.0050
Magnesium	D-Mg	5.67
Manganese	D-Mn	0.237
Mercury	D-Hg	<0.000050
Molybdenum	D-Mo	<0.0010
Nickel	D-Ni	0.0014
Potassium	D-K	<2.0
Selenium	D-Se	<0.0010
Silver	D-Ag	<0.000020
Sodium	D-Na	15.5
Thallium	D-Tl	<0.00020
Tin	D-Sn	<0.00050
Titanium	D-Ti	<0.010
Uranium	D-U	<0.00020
Vanadium	D-V	<0.030
Zinc	D-Zn	0.0955

< = Less than the detection limit indicated.

EPH = Extractable Petroleum Hydrocarbons.

<sup>1</sup>Results are expressed as milligrams per litre except where noted.

File No. T9345

**RESULTS OF ANALYSIS - Water<sup>1</sup>**



Sample ID 8589-06

Sample Date 04-02-05  
ALS ID 6

---

**Organochlorine Pesticides**

Aldrin	<0.000050
alpha-BHC	<0.000050
beta-BHC	<0.00010
delta-BHC	<0.000050
cis-Chlordane (alpha)	<0.000050
trans-Chlordane (gamma)	<0.000050
2,4'-DDD	<0.00010
4,4'-DDD	<0.000050
2,4'-DDE	<0.00010
4,4'-DDE	<0.000050
2,4'-DDT	<0.00010
4,4'-DDT	<0.00010
Dieldrin	<0.000050
Endosulfan I	<0.000050
Endosulfan II	<0.000050
Endosulfan Sulfate	<0.000050
Endrin	<0.00020
Heptachlor	<0.00010
Heptachlor Epoxide	<0.000050
Lindane (gamma - BHC)	<0.000050
Methoxychlor	<0.00020
Mirex	<0.000050
cis-Nonachlor	<0.000050
trans-Nonachlor	<0.000050
Oxychlordane	<0.000050

---

< = Less than the detection limit indicated.

EPH = Extractable Petroleum Hydrocarbons.

<sup>1</sup>Results are expressed as milligrams per litre except where noted.

File No. T9345

**RESULTS OF ANALYSIS - Water<sup>1</sup>**



Sample ID 8589-06

Sample Date 04-02-05  
ALS ID 6

---

**Organophosphate Pesticides**

Azinphos methyl	<0.00050
Carbophenothion	<0.00050
Chlorpyrifos	<0.00050
Coumaphos	<0.00050
Diazinon	<0.00050
Dichlorvos/Naled	<0.00050
Dimethoate	<0.00050
Disulfoton	<0.00050
Ethion	<0.00050
Fenitrothion	<0.00050
Fensulfothion	<0.00050
Fenthion	<0.00050
Fonofos	<0.00050
Malathion	<0.00050
Mevinphos (Total)	<0.00050
Parathion	<0.00050
Parathion-methyl	<0.00050
Phorate	<0.00050
Phosalone	<0.00050
Phosmet	<0.00050
Terbufos	<0.00050

---

< = Less than the detection limit indicated.

EPH = Extractable Petroleum Hydrocarbons.

<sup>1</sup>Results are expressed as milligrams per litre except where noted.

## Appendix 1 - QUALITY CONTROL - Replicates

Sediment/Soil<sup>1</sup> 8589-05 8589-0504-02-05 QC #  
374347**Physical Tests**Moisture % 4.45 4.78  
pH 5.94 5.92**Total Metals**

Antimony	T-Sb	<10	<10
Arsenic	T-As	5.7	5.3
Barium	T-Ba	72.3	64.6
Beryllium	T-Be	<0.50	<0.50
Cadmium	T-Cd	1.57	1.39
Chromium	T-Cr	25.4	23.2
Cobalt	T-Co	7.9	6.9
Copper	T-Cu	59.0	50.2
Lead	T-Pb	61	58
Mercury	T-Hg	0.051	0.061
Molybdenum	T-Mo	<4.0	<4.0
Nickel	T-Ni	22.7	19.2
Selenium	T-Se	<2.0	<2.0
Silver	T-Ag	<2.0	<2.0
Tin	T-Sn	<5.0	<5.0
Vanadium	T-V	43.1	35.7
Zinc	T-Zn	115	98.2

**Extractable Hydrocarbons**EPH10-19 <200 <200  
EPH19-32 500 360

< = Less than the detection limit indicated.  
 EPH = Extractable Petroleum Hydrocarbons.  
 Results are expressed as milligrams per dry kilogram except where noted.

## Appendix 2 - METHODOLOGY



Outlines of the methodologies utilized for the analysis of the samples submitted are as follows

### pH in Soil

This analysis is carried out in accordance with procedures described in "Soil Sampling and Methods of Analysis" (CSSS). The procedure involves mixing the air-dried sample with deionized/distilled water. The pH of the solution is then measured using a standard pH probe. A one to two ratio of sediment to water is used for mineral soils and a one to ten ratio is used for highly organic soils.

### Metals in Sediment/Soil

This analysis is carried out using procedures from CSR Analytical Method 8 "Strong Acid Leachable Metals (SALM) in Soil", BC Ministry of Environment, Lands and Parks, 26 June 2001, and procedures adapted from "Test Methods for Evaluating Solid Waste", SW-846 Method 3050B or Method 3051, United States Environmental Protection Agency (EPA). The sample is manually homogenized, dried at 60 degrees Celsius, sieved through a 2 mm (10 mesh) sieve, and a representative subsample of the dry material is weighed. The sample is then digested at 90 degrees Celsius for 2 hours by either hotplate or block digester using a 1:1 ratio of concentrated nitric and hydrochloric acids. Instrumental analysis is by atomic absorption/fluorescence spectrophotometry (EPA Method 7000 series), inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B), and/or inductively coupled plasma - mass spectrometry (EPA Method 6020).

Method Limitation: This method is not a total digestion technique. It is a very strong acid digestion that is intended to dissolve those metals that may be environmentally available. By design, elements bound in silicate structures are not normally dissolved by this procedure as they are not usually mobile in the environment.

#### Recommended Holding Time:

Sample:	6 months (Hg = 28 days)
Extract:	6 months (Hg = 28 days, Sb & Sn = 7 days)
Reference:	BCMELP

For more detail see ALS Environmental "Collection & Sampling Guide"

### Moisture in Sediment/Soil

This analysis is carried out gravimetrically by drying the sample at 103 C for a minimum of six hours.

#### Recommended Holding Time:

Sample:	14 days
Reference:	Puget

For more detail see ALS Environmental "Collection & Sampling Guide"



### **Extractable Hydrocarbons in Sediment/Soil**

This analysis is carried out in accordance with the British Columbia Ministry of Environment, Lands and Parks (BCMELP) Analytical Method for Contaminated Sites "Extractable Petroleum Hydrocarbons in Solids by GC/FID, Version 2.1 July 1999". The procedure uses an automated system (Accelerated Solvent Extractor - ASE) to extract a subsample of the sediment/soil with a 1:1 mixture of hexane and acetone at high temperature and pressure. The extract is then solvent exchanged to toluene and analysed by capillary column gas chromatography with flame ionization detection (GC/FID). EPH results include Polycyclic Aromatic Hydrocarbons (PAH) and are therefore not equivalent to Light and Heavy Extractable Petroleum Hydrocarbons (LEPH/HEPH).

Recommended Holding Time:

Sample: 14 days                      Extract: 40 days

Reference: BCMELP

For more detail see ALS Environmental "Collection & Sampling Guide"

### **Colour in Water**

This analysis is carried out using procedures adapted from APHA Method 2120 "Color". Colour (true colour) is determined by filtering a sample through a 0.45 micron membrane filter followed by analysis of the filtrate using the platinum-cobalt colourimetric method.

Recommended Holding Time:

Sample: 2 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### **Conductivity in Water**

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

Recommended Holding Time:

Sample: 28 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### **Solids in Water**

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total dissolved solids (TDS) and total suspended solids (TSS) are determined by filtering a sample through a glass fibre filter, TDS is determined by evaporating the filtrate to dryness at 180 degrees celsius, TSS is determined by drying the filter at 104 degrees celsius. Total solids are determined by evaporating a sample to dryness at 104 degrees celsius. Fixed and volatile solids are determined by igniting a dried sample residue at 550 degrees celsius.



Recommended Holding Time:

Sample: 7 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### **Conventional Parameters in Water**

These analyses are carried out in accordance with procedures described in "Methods for Chemical Analysis of Water and Wastes" (USEPA), "Manual for the Chemical Analysis of Water, Wastewaters, Sediments and Biological Tissues" (BCMOE), and/or "Standard Methods for the Examination of Water and Wastewater" (APHA). Further details are available on request.

### **pH in Water**

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode.

Recommended Holding Time:

Sample: 2 hours

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### **Turbidity of Water**

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

Recommended Holding Time:

Sample: 2 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

### **Alkalinity in Water by Colourimetry**

This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.

Recommended Holding Time:

Sample: 14 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

**Dissolved Anions in Water by Ion Chromatography**

This analysis is carried out using procedures adapted from APHA Method 4110 "Determination of Anions by Ion Chromatography" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Anions are determined by filtering the sample through a 0.45 micron membrane filter and injecting the filtrate onto a Dionex IonPac AG17 anion exchange column with a hydroxide eluent stream. Anions routinely determined by this method include: bromide, chloride, fluoride, nitrate, nitrite and sulphate.

**Recommended Holding Time:**

Sample: 28 days (bromide, chloride, fluoride, sulphate)

Sample: 2 days (nitrate, nitrite)

Reference: APHA and EPA

For more detail see ALS Environmental "Collection &amp; Sampling Guide"

**Metals in Water**

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" 20th Edition 1998 published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotplate or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by atomic absorption/emission spectrophotometry (EPA Method 7000 series), inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B), and/or inductively coupled plasma - mass spectrometry (EPA Method 6020).

**Recommended Holding Time:**

Sample: 6 months

Reference: EPA

For more detail see: ALS "Collection &amp; Sampling Guide"

**Mercury in Water**

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" 20th Edition 1998 published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic absorption and/or fluorescence spectrophotometry (EPA Method 7470A/7471A/245.7).

**Recommended Holding Time:**

Sample: 28 days

Reference: EPA

For more detail see ALS Environmental "Collection &amp; Sampling Guide"



**Organochlorine Pesticides in Water**

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3510, 3610, 3630, 3660 & 8081, published by the United States Environmental Protection Agency (EPA). The procedure involves extraction of the entire water sample with dichloromethane. The extract is then solvent exchanged to hexane followed by one or more of the following clean-up procedures (if required): alumina clean-up, silica gel clean-up and/or sulphur clean-up. The final extract is analysed by dual capillary column gas chromatography with electron capture detection (GC/ECD) and/or mass spectrometric detection (GC/MS).

Recommended Holding Time:

Sample: 7 days                      Extract: 40 days

Reference: EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

**Organophosphate Pesticides in Water**

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3510, 8141 & 8270 published by the United States Environmental Protection Agency (EPA). The procedure involves extraction of the entire water sample with dichloromethane. The extract is then solvent exchanged to hexane and analysed by capillary column gas chromatography with mass spectrometric detection (GC/MS).

Recommended Holding Time:

Sample: 7 days                      Extract: 40 days

Reference: EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

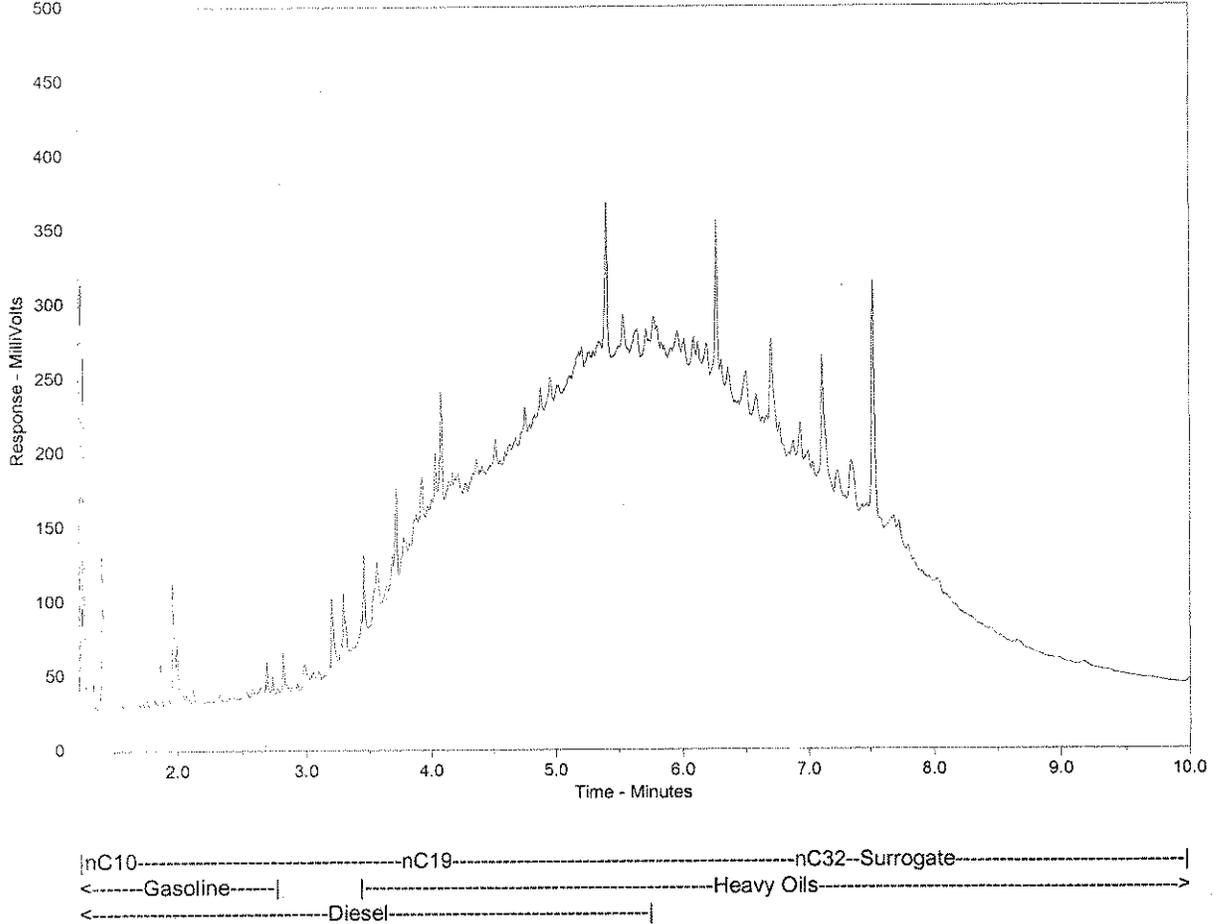
**Results contained within this report relate only to the samples as submitted.**

**This Chemical Analysis Report shall only be reproduced in full, except with the written approval of ALS Environmental.**

**End of Report**

**ALS Environmental - Hydrocarbon Distribution Report**

Client Sample ID:  
**ALS Sample ID: T9345-T--4**  
 File Name: i:\Chrom\gc22\data\gc22\_09febB.0011.RAW  
 Run Information: Acquired on GC22, 2/9/2004 6:40:59 PM



Sample Amount = 10.1 (g or mL)

Dilution Factor = 10.0

The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available upon request.

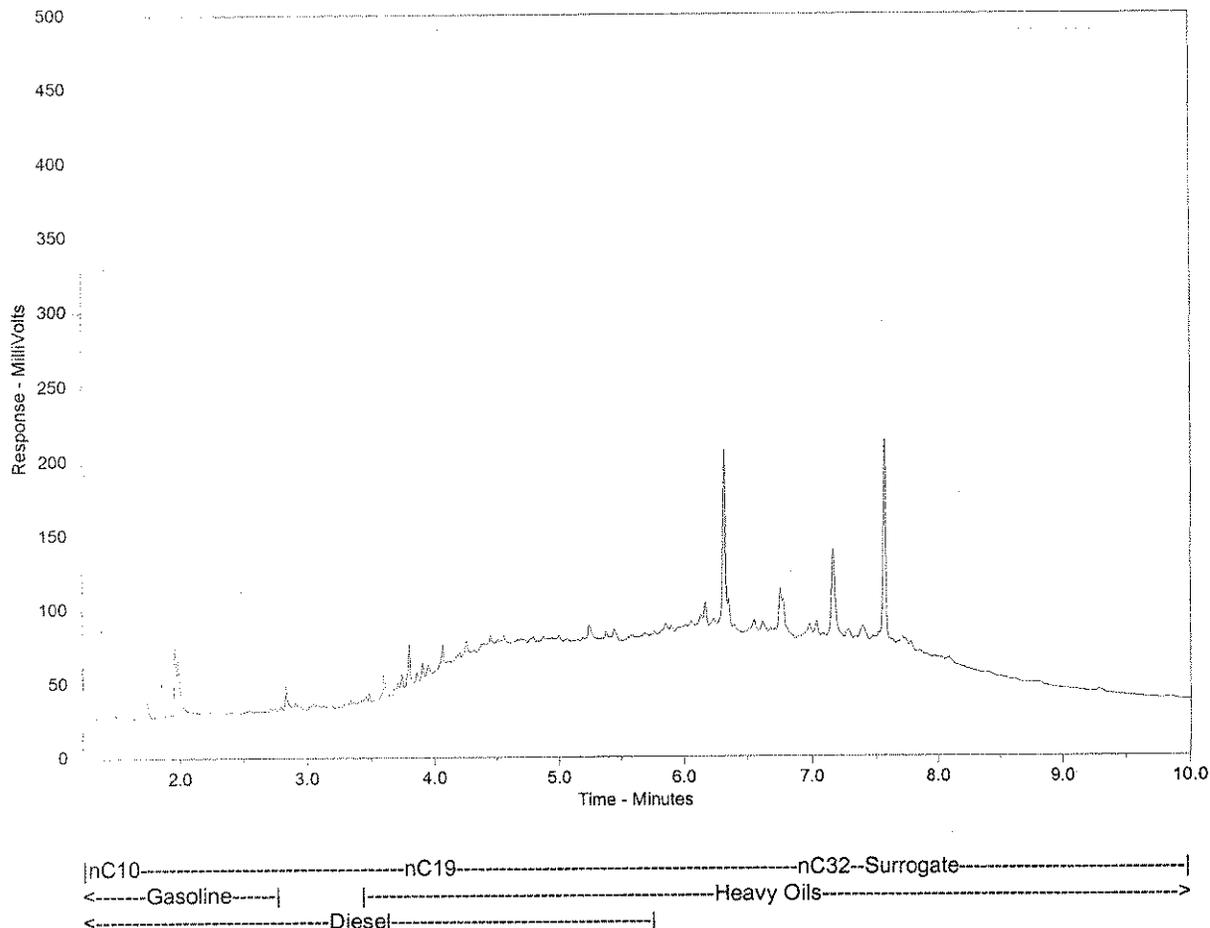
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Depending on the amount of hydrocarbons present in the sample, a C35 surrogate compound may be visible. Surrogate compounds are added to all samples as a component of quality control.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the response scale at the left.

**ALS Environmental - Hydrocarbon Distribution Report****Client Sample ID:****ALS Sample ID:** T9345-T--5

File Name: i:\Chrom\gc22\data\gc22\_09febA.0012.RAW

Run Information: Acquired on GC22, 2/9/2004 7:00:32 PM



Sample Amount = 9.7 (g or mL)

Dilution Factor = 10.0

The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available upon request.

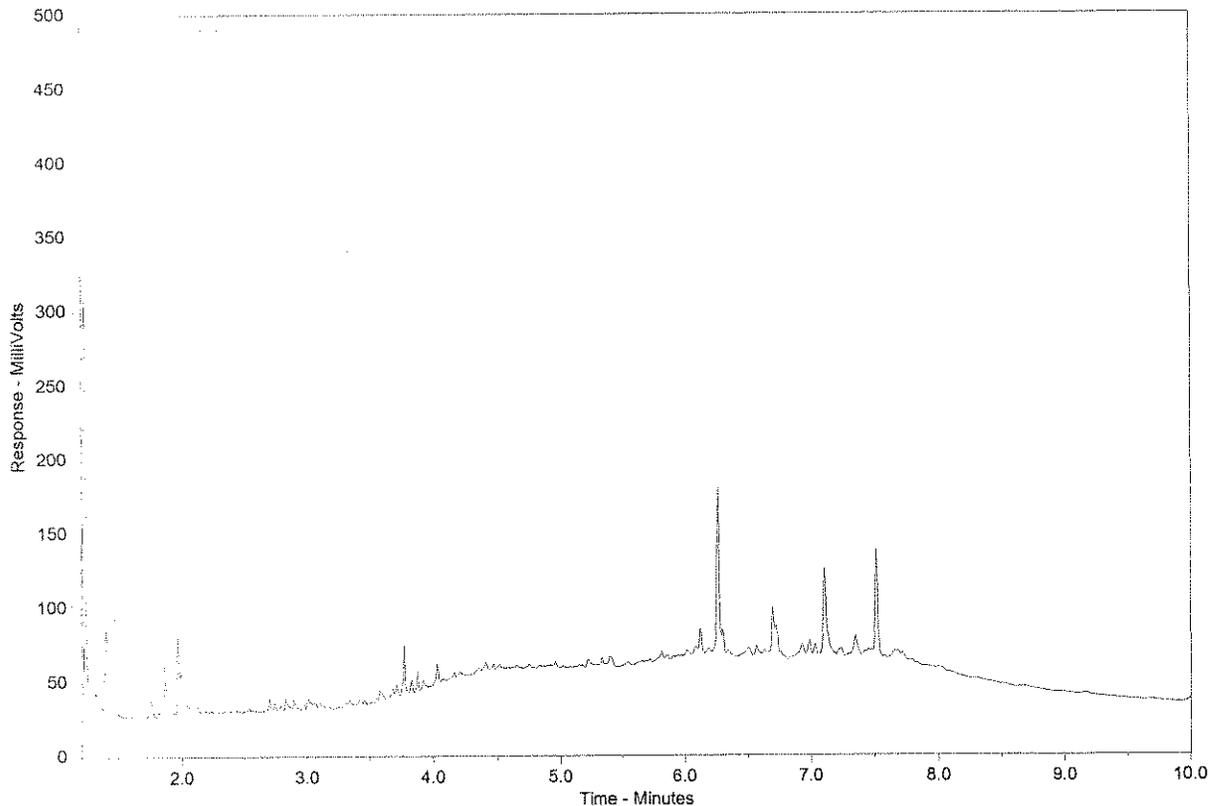
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Depending on the amount of hydrocarbons present in the sample, a C35 surrogate compound may be visible. Surrogate compounds are added to all samples as a component of quality control.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the response scale at the left.

**ALS Environmental - Hydrocarbon Distribution Report****Client Sample ID:****ALS Sample ID:** QC-T--374347#T9345-5DUP

File Name: i:\Chrom\gc22\data\gc22\_09febB.0012.RAW

Run Information: Acquired on GC22, 2/9/2004 7:00:32 PM



|nC10-----nC19-----nC32--Surrogate-----|  
|-----Gasoline-----|-----Heavy Oils-----|  
|-----Diesel-----|

Sample Amount = 9.6 (g or mL)

Dilution Factor = 10.0

The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available upon request.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Depending on the amount of hydrocarbons present in the sample, a C35 surrogate compound may be visible. Surrogate compounds are added to all samples as a component of quality control.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the response scale at the left.



**APPENDIX XI**

**BOREHOLE LOGS AND MONITORING WELL INSTALLATION  
DETAILS OF PREVIOUSLY INSTALLED WELLS**

PROJECT: Agr. Can/Agassiz

# RECORD OF BOREHOLE MW-8

SHEET 1 OF 1

PROJECT NUMBER: 922 1881

BORING LOCATION: 1-C16

DATUM: MSL

BORING DATE: 12/10/92

DEPTH METERS	BORING METHOD	SOIL PROFILE			SAMPLES			HEADSPACE OVM READING				PIEZOMETER GRAPHIC WATER LEVEL		
		DESCRIPTION	GRAPHIC LOG	ELEV.	NUMBER	TYPE	PPM	0	25	50	75		100	
				DEPTH				PPM ■						
0	152 mm Sonic Drill	Loose, friable, moist, dark brown, silty fine SAND to SAND, some silt, trace rootlets	●●●●	17.494										
0.3		Compact, moist, grey brown, slightly mottled, fine SAND, some silt to silty fine SAND, trace rootlets	●●●●											
1		Firm, moist to wet, light brown to grey brown, mottled SILT, some sand, trace clay to SILT and SAND	●●●●	1.2	1	DO								
2		Compact to dense, moist to wet, brownish grey to grey, fine to coarse sub-angular to sub-round GRAVEL, some sand, trace to some cobbles (to 100mm), trace silt	●●●●	2.1	2	DO								
3		Rusty lense at 3m	●●●●		3	DO								
4		End of Borehole at 4.0m				4	DO							
5														
6														
7														
8														
9														
10														

DRILLING CONTRACTOR: Sonic Drilling  
DO = Drill Open



LOGGED: PE  
CHECKED: PE  
DATE: 1/20/93

PROJECT: Agr. Can/Agassiz

# RECORD OF BOREHOLE MW-10

SHEET 1 OF 1

PROJECT NUMBER: 922 1881

BORING LOCATION: 1-C17

DATUM: MSL

BORING DATE: 12/3/92

DEPTH METERS	BORING METHOD	SOIL PROFILE			SAMPLES			HEADSPACE OVM READING				PIEZOMETER GRAPHIC	
		DESCRIPTION	GRAPHIC LOG	ELEV. DEPTH	NUMBER	TYPE	PPM	0	25	50	75	100	WATER LEVEL
0	152 mm Sonic Drill	Soft to firm, moist to wet, medium brown, mottled grey, clayey SILT, trace organics (roots)	[Graphic Log]	17.412									
1				1	DO								
		Compact, moist, brown, fine to medium SAND	[Graphic Log]	1.37									
2		Compact, moist, grey, fine to medium silty SAND	[Graphic Log]	1.68	2	DO							
		Compact, moist, medium brown, medium SAND	[Graphic Log]	2.07									
3		Compact, wet, medium brownish grey, coarse sandy GRAVEL	[Graphic Log]	2.44	3	DO							
4		End of Borehole at 3.96m											
5													
6													
7													
8													
9													
10													

DRILLING CONTRACTOR: Sonic Drilling

DO = Drill Open



LOGGED: MD

CHECKED: PE

DATE: 1/20/93

PROJECT: Agr. Can/Agassiz

# RECORD OF BOREHOLE MW-13D

SHEET 1 OF 2

PROJECT NUMBER: 922 1881

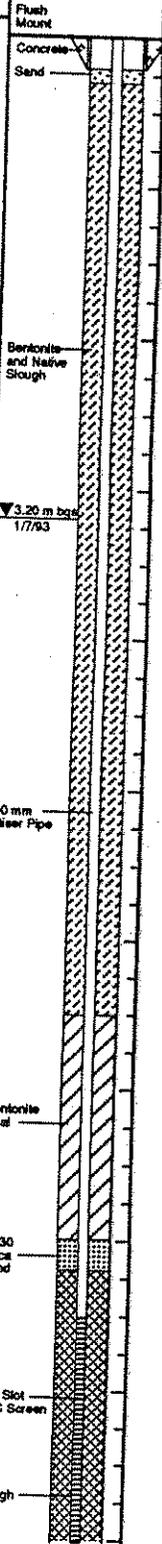
BORING LOCATION: 1-C18

DATUM: MSL

BORING DATE: 1/7/93

DEPTH METERS	BORING METHOD	SOIL PROFILE			SAMPLES			HEADSPACE OVM READING				PIEZOMETER GRAPHIC WATER LEVEL		
		DESCRIPTION	GRAPHIC LOG	ELEV.	NUMBER	TYPE	0	25	50	75	100			
				DEPTH									PPM	
0	152 mm Sonic Drill	Stratigraphy to 4.0 depth as reported on MW-13S		17.555										
1														
2														
3														
4			Dense, moist, grey, fine to coarse, sub-angular to sub-round GRAVEL, some sand to sandy gravel, trace to some cobbles (to 100 mm), trace silt		4.0	1	DO							
5														
6			Compact, wet, fine to coarse sub-rounded GRAVEL, some medium sand, trace silt, trace cobbles (to 30 mm)		5.5									
7														
8														
9						2	DO							
10														

Log continued on next page



DRILLING CONTRACTOR: Sonic Drilling  
DO = Drill Open



LOGGED: PE  
CHECKED: PE  
DATE: 1/20/93

PROJECT: Agr. Can/Agassiz

# RECORD OF BOREHOLE MW-13D

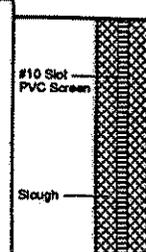
SHEET 2 OF 2

PROJECT NUMBER: 922 1881

BORING LOCATION: 1-C18

DATUM: MSL

BORING DATE: 1/7/93

DEPTH METERS	BORING METHOD	SOIL PROFILE			SAMPLES				HEADSPACE OVM READING				PIEZOMETER GRAPHIC WATER LEVEL
		DESCRIPTION	GRAPHIC LOG	ELEV.	NUMBER	TYPE	PPM	0	25	50	75	100	#10 Slot PVC Screen
				DEPTH				PPM					
10	152 mm Sonic Drill	Compact, wet, fine to coarse sub-rounded GRAVEL, some medium sand, trace silt, trace cobbles (to 80 mm)		17.555									
11				3	DO	■							
12		End of Borehole at 11.6 m											
13													
14													
15													
16													
17													
18													
19													
20													

DRILLING CONTRACTOR: Sonic Drilling  
DO = Drill Open



LOGGED: PE  
CHECKED: PE  
DATE: 1/20/93

PROJECT: Agr. Can/Agassiz  
 PROJECT NUMBER: 922 1881

# RECORD OF BOREHOLE MW-25

BORING LOCATION: 1-C13

SHEET 1 OF 1  
 DATUM: MSL  
 BORING DATE: 12/4/92

DEPTH METERS	BORING METHOD	SOIL PROFILE			SAMPLES			HEADSPACE OVM READING				PIEZOMETER GRAPHIC	
		DESCRIPTION	GRAPHIC LOG	ELEV.	NUMBER	TYPE	PPM	0	25	50	75	100	WATER LEVEL
				DEPTH				0	25	50	75	100	
0	152 mm Sonic Drill	Loose, moist, brown, silty fine SAND to SAND and SILT (FILL)	[Dotted Pattern]	16.430									<p>100mm Steel Casing          Concrete          Concrete          Bentonite Seal          50 mm River Pipe          1.307m bgs 1/7/93          20/30 Silica Sand          #10 Slot PVC Screen          End Cap          Slough</p>
		Loose, friable to blocky, moist to wet, dark brown, SILT and SAND, grading to sandy SILT (NATIVE).	[Dotted Pattern]	0.3	1	DO							
		Mottled SILT, in 30mm lense above 0.9m	[Dotted Pattern]	0.9	2	DO							
1		Compact, wet, brown, slightly mottled silty fine SAND	[Dotted Pattern]	1.3	3	DO							
		Compact, wet, brown, fine to medium SAND, trace grading to grey SAND, trace silt	[Dotted Pattern]										
2													
3		End of Borehole at 3.0m		3.0									
4													
5													
6													
7													
8													
9													
10													

DRILLING CONTRACTOR: Sonic Drilling  
 DO = Drill Open



LOGGED: PE  
 CHECKED: PE  
 DATE: 1/20/93

**APPENDIX XII**

**NCSCS FORM**

**Table I**  
**Ranking of APECs in Gitanmax based on the**  
**National Classification System for Contaminated Sites**

Category	Evaluation Factor	Scoring Guideline	APEC 1 - Building 37	APEC 2 - Former Landfill (near Building 54)	APEC 3 - Groundwater Quality at Site	APEC 4 - Sewerage Treatment Equipment	APEC 5 - Equipment Shed	APEC 6 - Pesticide, Fertilizer and Paint Shed
I. Contaminant(s) Characteristics	A. Degree of hazard							
	* High concern contaminants - high concentration	14	11	5	5	3	5	11
	* High concern contaminants - low concentration	11						
	* Medium concern contaminants - high concentration	8						
	* Medium concern contaminants - low concentration	5						
	* Low concern contaminants	3						
	B. Contaminant Quantity (area/volume of site contamination)							
	* >10 ha, or >1000m <sup>3</sup> , or drums of liquid	10	2	2	6	2	2	2
	* 2 to 10 ha, or 100 to 1000 m <sup>3</sup>	6						
	* <2 ha, or <100 m <sup>3</sup>	2						
	C. Physical State of Contaminants							
	* Liquid/gas	9	5	5	9	3	5	5
	* Sludge	7						
	* Solid	3						
	Special Considerations	-6 to +6						
Subtotal I			18	12	20	8	12	18
II. Exposure Pathways	A. Groundwater							
	1. Known contamination at or beyond property boundary							
	* Groundwater significantly exceeds Canadian Drinking Water Guidelines (CDWG) by >2x or known contact of contaminants with groundwater	11	-	-	-	-	-	-
	* Between 1 and 2x CDWG or probable contact with groundwater	6						
	* Meets Canadian Drinking Water Guidelines	0	0	0	0	0	0	0
	2. Potential for groundwater contamination							
	(a) Engineered subsurface containment							
	* No containment	4				4		
	* Partial containment	2						
	* Full containment	0						
(b) Thickness of confining layer over aquifer(s) of concern	1.5				1			
* 3 m or less	1							
* 3 to 10 m	0							
* >10 m								
(c) Hydraulic conductivity of the confining layer								
* >10 <sup>-4</sup> cm/sec	1.5				1			
* 10 <sup>-4</sup> to 10 <sup>-6</sup> cm/sec	1							
* <10 <sup>-6</sup> cm/sec	0.5							
II. Exposure Pathways, cont'd	(d) Annual Rainfall							
	* >1000mm	1				0.6		
	* 600 mm	0.6						
	* 400 mm	0.4						
	* 200mm	0.2						
	(e) Hydraulic conductivity of aquifer(s) of concern							
	* >10 <sup>-2</sup> cm/sec	3				1.5		
	* 10 <sup>-2</sup> - 10 <sup>-4</sup> cm/sec	1.5						
	* <10 <sup>-4</sup> cm/sec	0.5						
	3. Special Considerations	-4 to +4						
B. Surface Water								
1. Observed or measured contamination of water/effluent discharged from site								
* Known or strongly suspected to exceed Canadian Water Quality Guidelines (CWQG) by >2x	11	-	-	-	-	-	-	
* Known or strongly suspected to be between 1 - 2x CWQG	6							
* Meets Canadian Water Quality Guidelines	0							
2. Potential for surface water contamination								
(a) Surface Containment								
* No containment	5	5	5	5	5	3	5	
* Partial containment	3							
* Full containment	0.5							
(b) Distance to perennial surface water								
* 0 to <100m	3	0.5	0.5	0.5	3	0.5	0.5	
* 100 to 300m	2							
* >300m	0.5							
(c) Topography								
* Contaminants above ground level and slope is steep	1.5	0	0	0	0	0	0	
* Contaminants at or below ground level and slope is steep	1.2							
* Contaminants above ground level and slope is flat	0.8							
* Contaminants at or below ground level and slope is flat	0							
(d) Run-off potential								
* >1000mm rainfall and low permeability surface material	1	0.6	0.6	0.6	0.6	0.6	0.6	
* <500mm rainfall and high permeable surface material	0.6							
	0.2							

**Table I**  
**Ranking of APECs in Gitanmax based on the**  
**National Classification System for Contaminated Sites**

Category	Evaluation Factor	Scoring Guideline	APEC 1 - Building 37	APEC 2 - Former Landfill (near Building 54)	APEC 3 - Groundwater Quality at Site	APEC 4 - Sewerage Treatment Equipment	APEC 5 - Equipment Shed	APEC 6 - Pesticide, Fertilizer and Paint Shed	
II. Exposure Pathways, cont'd	(e) Flood Potential * 1 in 2 years * 1 in 10 years * 1 in 50 years	0.5 0.3 0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	3. Special Considerations	-4 to +4							
	C. Direct Contact 1. Known contamination of media off-site * Known contamination of soil, sediment or air off-site due to contact with contaminated soil, dust, air, etc. (vector transported should also be considered) * Strongly suspected contamination of media off-site * No contamination of media off-site	11 6 0	-	-	-	-	-	-	
	2. Potential for direct human and/or animal contact (a) Airborne Emissions (gases, vapours, dust, etc.) * Known or suspected airborne emissions impacting on neighbouring properties * Airborne emissions generally restricted to site * No airborne emissions	5 3 0	0	0	0	0	0	0	
	(b) Accessibility of Site (ability to contact materials) * Limited or no barriers to prevent site access; contaminants not covered * Moderate accessibility or intervening barriers; contaminants are covered * Controlled access or remote location and contaminants are covered	4 3 0	3	0	0	0	0	0	
	(c) Hazardous soil gas migration * Contaminants are putrescible and soil permeability is high * Soil contaminants are putrescible but soil permeability is low and/or groundwater is <2m from surface * No putrescible contaminants at the site	2 1 0	0	1	0	0	0	0	
	3. Special Considerations	-4 to +4							
	Subtotal II			9.2	7.2	6.2	16.8	4.2	6.2
	III. Receptors	A. Human and Animal Uses 1. Known adverse impact on humans or domestic animals as a result of the contaminated site * Known adverse effect on humans or domestic animals * Strongly suspected adverse effect on humans or domestic animals	18 15	-	-	-	-	-	-
		2. Potential for impact on humans or animals (a) Drinking water supply (i) Known impact on drinking water supply. Drinking water supply is known to be adversely affected as a result of site contamination * Known contamination of drinking water supply to levels above CDWG * Strongly suspected contamination of drinking water supply * Drinking water supply is known not to be contaminated	9 7 0	0	0	0	0	0	0
(ii) Potential for impact on drinking water supply ° Proximity to drinking water supply * 0 to <100m * 100 to <300m * 300m to <1km * 1 to 5km ° "Availability" of alternate drinking water supply * Alternate drinking water supply is not available * Alternate drinking water supply would be difficult to obtain * Alternate drinking water supply available		6 5 4 3 3 2 0.5				4 0.5			
(b) Other Water Resources (groundwater or surface water) (i) Known impact on used water resource Water resource (used for recreational purposes, commercial food preparation, livestock watering, irrigation or other food chain uses) is known to be adversely affected as a result of site contamination * Water resource is known to be contaminated above CWQG * Water resource is strongly suspected to be contaminated above CWQG * Water resource is known not to be contaminated		4 3 0	- - 0	- - 0	- - 0	- - 0	- - 0	- - 0	

**Table I**  
**Ranking of APECs in Gitanmax based on the**  
**National Classification System for Contaminated Sites**

Category	Evaluation Factor	Scoring Guideline	APEC 1 - Building 37	APEC 2 - Former Landfill (near Building 54)	APEC 3 - Groundwater Quality at Site	APEC 4 - Sewerage Treatment Equipment	APEC 5 - Equipment Shed	APEC 6 - Pesticide, Fertilizer and Paint Shed
III. Receptors, cont'd	(ii) Potential for impact on water resources ° Proximity to water resources used for activities listed above * 0 to <100m * 100 to <300m * 300m to <1km * 1 to 5km	2 1.5 1 0.5				2	1.5	1
	<b>Frequency of Use</b> <b>Water Use</b> Frequent Occasional Recreational (swimming, fishing) 2 1 Commercial food preparation 1.5 0.8 Livestock watering 1 0.5 Irrigation 1 0.5 Other domestic or food chain uses 0.5 0.3 Not currently used but likely future use 0.5 0.2 ° Use of water resources - if multiple uses, give highest score (use following table)				2	2	2	
	(c) Direct human exposure (i) Known contamination of land used by humans * Known contamination of land used for agricultural or residential/parkland/school purposes above AG or R/P EQC values * Known contamination of land used for commercial or industrial purposes above C/I EQC values * Land is known not to be contaminated	5 3.5 0	-	-	0	-	0	-
	(ii) Potential human exposure through land use * Use of land at and surrounding site (use following table; give highest score to worst case scenario) <b>Distance From Site</b> Land Use (current or future) 0-300m 300m-1km 1-5km Residential 5 4.5 3 Agricultural 5 4 2.5 Parkland/School 4 3 1.5 Commercial/Industrial 3 1 0.5		5	5	5	5	5	5
3. Special Considerations		-5 to +5						
III. Receptors, cont'd	B. Environment 1. Known adverse impact on a sensitive environment as a result of the contaminated site * Known adverse impact on sensitive environment * Evidence of stress on aquatic species or vegetative stress on trees, crops or plant life located on properties neighbouring the site * Strongly suspected adverse impact on sensitive environment	16 14 12	-	-	-	-		-
	2. Potential for impact on sensitive environments (a) Distance from site to nearest sensitive environment (e.g., sensitive aquatic environment, nature preserve, habitat for endangered species, sensitive forest reserves, national parks or forests, etc.) * 0 to <500m * 500 m to <2km * 2 to <5km * 5 to 10km (b) Groundwater - distance to important or susceptible groundwater resource(s) * 0 to <500m * 500 m to <2km * 2 to <5km * 5 to 10km	10 6 2 0.5 6 4 2 1						
	3. Special Considerations		-5 to +5					
	Subtotal III			5	5	5	13.5	8.5
	<b>TOTAL SCORE</b>		<b>32.2</b>	<b>24.2</b>	<b>31.2</b>	<b>38.3</b>	<b>24.7</b>	<b>32.2</b>

Table II  
 Ranking of Previous APECs in Gitanmaax based on the  
 National Classification System for Contaminated Sites

Category	Evaluation Factor	Scoring Guideline	1-A1	1-A3	1-C2	1-C3	1-C5	1-C6	1-C8	1-C9	1-C10	1-C11	1-C13	1-C19
I. Contaminant(s) Characteristics	A. Degree of hazard * High concern contaminants - high concentration * High concern contaminants - low concentration * Medium concern contaminants - high concentration * Medium concern contaminants - low concentration * Low concern contaminants	14 11 8 5 3	3	3	3	3	3	3	3	3	3	3	3	3
	B. Contaminant Quantity (area/volume of site contamination) * >10 ha, or >1000m <sup>3</sup> , or drums of liquid * 2 to 10 ha, or 100 to 1000 m <sup>3</sup> * <2 ha, or <100 m <sup>3</sup>	10 6 2	6	6	6	2	2	2	2	6	6	6	6	2
	C. Physical State of Contaminants * Liquid/gas * Sludge * Solid	9 7 3	3	3	3	2	2	2	2	3	3	3	3	3
	Special Considerations	-6 to +6												
Subtotal I			12	12	12	7	7	7	8	12	12	12	12	8
II. Exposure Pathways	A. Groundwater 1. Known contamination at or beyond property boundary * Groundwater significantly exceeds Canadian Drinking Water Guidelines (CDWG) by >2x or known contact of contaminants with groundwater * Between 1 and 2x CDWG or probable contact with groundwater * Meets Canadian Drinking Water Guidelines	11 6 0	-	-	-	-	-	-	-	-	-	-	-	-
	2. Potential for groundwater contamination (a) Engineered subsurface containment * No containment * Partial containment * Full containment (b) Thickness of confining layer over aquifer(s) of concern * 3 m or less * 3 to 10 m * >10 m (c) Hydraulic conductivity of the confining layer * >10 <sup>-4</sup> cm/sec * 10 <sup>-4</sup> to 10 <sup>-6</sup> cm/sec * <10 <sup>-6</sup> cm/sec	4 2 0 1.5 1 0 1.5 1 0.5												
	(d) Annual Rainfall * >1000mm * 600 mm * 400 mm * 200mm (e) Hydraulic conductivity of aquifer(s) of concern * >10 <sup>-2</sup> cm/sec * 10 <sup>-2</sup> - 10 <sup>-4</sup> cm/sec * <10 <sup>-4</sup> cm/sec	1 0.6 0.4 0.2 3 1.5 0.5												
	3. Special Considerations	-4 to +4												
II. Exposure Pathways, cont'd	B. Surface Water 1. Observed or measured contamination of water/effluent discharged from site * Known or strongly suspected to exceed Canadian Water Quality Guidelines (CWQG) by >2x * Known or strongly suspected to be between 1 - 2x CWQG * Meets Canadian Water Quality Guidelines	11 6 0	-	-	-	-	-	-	-	-	-	-	-	-
	2. Potential for surface water contamination (a) Surface Containment * No containment * Partial containment * Full containment (b) Distance to perennial surface water * 0 to <100m * 100 to 300m * >300m (c) Topography * Contaminants above ground level and slope is steep * Contaminants at or below ground level and slope is steep * Contaminants above ground level and slope is flat * Contaminants at or below ground level and slope is flat (d) Run-off potential * >100mm rainfall and low permeability surface material * <500mm rainfall and high permeable surface material	5 3 0.5 3 2 0.5 1.5 1.2 0.8 0 1 0.6 0.6 0.2	3 0.5 0.5 0 0 0 0.6	3 0.5 0.5 0 0 0.6	5 0.5 0.5 0 0.6									
	(e) Flood Potential * 1 in 2 years * 1 in 10 years * 1 in 50 years	0.5 0.3 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	3. Special Considerations	-4 to +4												
II. Exposure Pathways, cont'd	C. Direct Contact 1. Known contamination of media off-site * Known contamination of soil, sediment or air off-site due to contact with contaminated soil, dust, air, etc. (vector transported should also be considered) * Strongly suspected contamination of media off-site * No contamination of media off-site	11 6 0	-	-	-	-	-	-	-	-	-	-	-	-
	2. Potential for direct human and/or animal contact (a) Airborne Emissions (gases, vapours, dust, etc.) * Known or suspected airborne emissions impacting on neighbouring properties * Airborne emissions generally restricted to site * No airborne emissions (b) Accessibility of Site (ability to contact materials) * Limited or no barriers to prevent site access; contaminants not covered * Moderate accessibility or intervening barriers; contaminants are covered * Controlled access or remote location and contaminants are covered (c) Hazardous soil gas migration * Contaminants are putrescible and soil permeability is high * Soil contaminants are putrescible but soil permeability is low and/or groundwater is <2m from surface * No putrescible contaminants at the site	5 3 0 4 3 0 2 1 0	0 3 0	0 3 0	0 3 0	0 3 0	0 3 0	0 3 0	0 3 0	0 3 0	0 3 0	0 3 0	0 3 0	0 3 0
	3. Special Considerations	-4 to +4												
	Subtotal II		7.2	7.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
III. Receptors	A. Human and Animal Uses 1. Known adverse impact on humans or domestic animals as a result of the contaminated site * Known adverse effect on humans or domestic animals * Strongly suspected adverse effect on humans or domestic animals	18 15	-	-	-	-	-	-	-	-	-	-	-	-
	2. Potential for impact on humans or animals (a) Drinking water supply (i) Known impact on drinking water supply. Drinking water supply is known to be adversely affected as a result of site contamination * Known contamination of drinking water supply to levels above CDWG * Strongly suspected contamination of drinking water supply * Drinking water supply is known not to be contaminated	9 7 0	0	0	0	0	0	0	0	0	0	0	0	0
	(ii) Potential for impact on drinking water supply * Proximity to drinking water supply * 0 to <100m * 100 to <300m * 300m to <1km * 1 to 5km * "Availability" of alternate drinking water supply * Alternate drinking water supply is not available * Alternate drinking water supply would be difficult to obtain * Alternate drinking water supply available	6 5 4 3 3 2 0.5												
	3. Special Considerations	-4 to +4												

**Table II**  
**Ranking of Previous APECs in Gitanmaax based on the**  
**National Classification System for Contaminated Sites**

Category	Evaluation Factor	Scoring Guideline	1-A1	1-A3	1-C2	1-C3	1-C5	1-C6	1-C8	1-C9	1-C10	1-C11	1-C13	1-C19	
III. Receptors, cont'd	(b) Other Water Resources (groundwater or surface water) (i) Known impact on used water resource Water resource (used for recreational purposes, commercial food preparation, livestock watering, irrigation or other food chain uses) is known to be adversely affected as a result of site contamination * Water resource is known to be contaminated above CWQG * Water resource is strongly suspected to be contaminated above CWQG * Water resource is known not to be contaminated	4 3 0	- - 0												
	(ii) Potential for impact on water resources * Proximity to water resources used for activities listed above * 0 to <100m * 100 to <300m * 300m to <1km * 1 to 5km  Frequency of Use Water Use Recreational (swimming, fishing) Commercial food preparation Livestock watering Irrigation Other domestic or food chain uses Not currently used but likely future use * Use of water resources - if multiple uses, give highest score (use following table)	2 1.5 1 0.5  Frequent Occasional 2 1 1.5 0.8 1 0.5 1 0.5 0.5 0.3 0.5 0.2													
	(c) Direct human exposure (i) Known contamination of land used by humans * Known contamination of land used for agricultural or residential/parkland/school purposes above AG or R/P EQC values * Known contamination of land used for commercial or industrial purposes above C/I EQC values * Land is known not to be contaminated	5 3.5 0	- - 0												
	(ii) Potential human exposure through land use * Use of land at and surrounding site (use following table; give highest score to worst case scenario)  Distance From Site Land Use (current or future) 0-300m 300m-1km 1-5km Residential 5 4.5 3 Agricultural 5 4 2.5 Parkland/School 4 3 1.5 Commercial/Industrial 3 1 0.5		5 5 5 5 5 5 5												
3. Special Considerations	-5 to +5														
III. Receptors, cont'd	B. Environment 1. Known adverse impact on a sensitive environment as a result of the contaminated site * Known adverse impact on sensitive environment * Evidence of stress on aquatic species or vegetative stress on trees, crops or plant life located on properties neighbouring the site * Strongly suspected adverse impact on sensitive environment	16 14 12	- - -												
	2. Potential for impact on sensitive environments (a) Distance from site to nearest sensitive environment (e.g., sensitive aquatic environment, nature preserve, habitat for endangered species, sensitive forest reserves, national parks or forests, etc.) * 0 to <500m * 500 m to <2km * 2 to <5km * 5 to 10km  (b) Groundwater - distance to important or susceptible groundwater resource(s) * 0 to <500m * 500 m to <2km * 2 to <5km * 5 to 10km	10 6 2 0.5  6 4 2 1													
	3. Special Considerations	-5 to +5													
	Subtotal III		5	5	5	5	5	5	5	5	5	5	5	5	5
<b>TOTAL SCORE</b>			<b>24.2</b>	<b>24.2</b>	<b>26.2</b>	<b>21.2</b>	<b>21.2</b>	<b>21.2</b>	<b>22.2</b>	<b>26.2</b>	<b>26.2</b>	<b>26.2</b>	<b>26.2</b>	<b>22.2</b>	

**APPENDIX XIII**

**AAFC CONTAMINATED SITES SUMMARY FORM**

### AAFC's ENVIRONMENTAL SUMMARY FORM - APEC 4

1. Establishment Name Agassiz Research Station: APEC 4 – Sewage Treatment Equipment
2. DFRP Number \_\_\_\_\_
3. Contaminated Site Number \_\_\_\_\_
4. Waste description Metals in soil
5. Site Status (select one)
  - i. Under Assessment X
  - ii. Under Remediation
  - iii. Remediated and under Risk Management
  - iv. Under Risk Management
  - v. Remediation Complete
  - vi. Remediation by 3<sup>rd</sup> Party
  - vii. Assessed - No Action Required
6. Action Required (select one)
  - i. None
  - ii. Action Not Likely Required X
  - iii. Action May be Required
  - iv. Action Likely Required
  - v. Monitoring
  - vi. Remediaton
  - vii. Additional Study
  - ii. Monitoring and Additional Study
  - ix. Additional Study and Remediation
  - x. Risk Management
7. NCSCS Risk Level (select one)
  - i. Class 1
  - ii. Class 2
  - iii. Class 3
  - iv. Class I
  - v. Class N X
8. Location of Contamination on Property (use directions, buildings, etc...): Area of contamination is to the south of the sewage treatment equipment located on Agassiz Farm 2 (Figure 8)
9. Coordinate Sources (select one)
  - i. Global Positioning System (GPS)
  - ii. Survey Plan (Less than 1:25,000)
  - iii. Topographic Map (1:25,000)
  - iv. Topographic Map (1:50,000)
  - v. Topographic Map (1:250,000)
  - vi. General Map (1:1,000,000)
  - vii. General Map (Greater than 1:1,000,000)
  - viii. Not applicable
10. Latitude and Longitude of Centre of Site Using GPS Coordinate System (DDD.MMM.SSS)

- 
11. Contaminant Category
- i. Petroleum hydrocarbons and PAHs
  - ii. Heavy Metals X
  - iii. Oxygen Depleting Substances
  - iv. Toxic Organics
  - v. Radioactives
  - vi. Nuisance Substances
  - vii. Explosives
  - viii. Other Contaminants
- Liability to Crown (\$): Not Applicable
12. Quality of Liability Estimate: Not Applicable
13. Date of Liability Estimate: Not Applicable
14. Contingency to Crown (\$): Not Applicable
15. Quality of Contingent Estimate: \_\_\_\_\_
16. Date of Contingent Estimate: \_\_\_\_\_

**AAFC's ENVIRONMENTAL SUMMARY FORM - APEC 5**

16. Establishment Name Walmsley Research Farm: APEC 5 –Equipment Shed
17. DFRP Number \_\_\_\_\_
18. Contaminated Site Number \_\_\_\_\_
19. Waste description Metals and Petroleum Hydrocarbons in soil
20. Site Status (select one)
- i. Under Assessment X
  - ii. Under Remediation
  - iii. Remediated and under Risk Management
  - iv. Under Risk Management
  - v. Remediation Complete
  - vi. Remediation by 3<sup>rd</sup> Party
  - vii. Assessed - No Action Required
21. Action Required (select one)
- i. None
  - ii. Action Not Likely Required X
  - iii. Action May be Required
  - iv. Action Likely Required
  - v. Monitoring
  - vi. Remediaton
  - vii. Additional Study
  - ii. Monitoring and Additional Study
  - ix. Additional Study and Remediation
  - x. Risk Management
22. NCSCS Risk Level (select one)
- i. Class 1
  - ii. Class 2
  - iii. Class 3 X
  - iv. Class I
  - v. Class N
23. Location of Contamination on Property (use directions, buildings, etc...): Area of contamination is located within the Equipment Shed on Walmsley Research Farm (Figure 9)
24. Coordinate Sources (select one)
- i. Global Positioning System (GPS)
  - ii. Survey Plan (Less than 1:25,000)
  - iii. Topographic Map (1:25,000)
  - iv. Topographic Map (1:50,000)
  - v. Topographic Map (1:250,000)
  - vi. General Map (1:1,000,000)
  - vii. General Map (Greater than 1:1,000,000)
  - viii. Not applicable
25. Latitude and Longitude of Centre of Site Using GPS Coordinate System (DDD.MMM.SSS)

- 
26. Contaminant Category
- i. Petroleum hydrocarbons and PAHs X
  - ii. Heavy Metals X
  - iii. Oxygen Depleting Substances
  - iv. Toxic Organics
  - v. Radioactives
  - vi. Nuisance Substances
  - vii. Explosives
  - viii. Other Contaminants
- Liability to Crown (\$): 5,000
27. Quality of Liability Estimate:
28. Date of Liability Estimate: March 31, 2004
29. Contingency to Crown (\$): Not Applicable
30. Quality of Contingent Estimate: \_\_\_\_\_
16. Date of Contingent Estimate: \_\_\_\_\_