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GEOTHERMAL ENERGY FROM ABANDONED MINES: A METHODOLOGY FOR AN INVENTORY, AND INVENTORY DATA FOR ABANDONED MINES IN QUEBEC AND NOVA SCOTIA

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A methodology for an inventory,
and inventory data for abandoned mines in Quebec and Nova Scotia

Prepared for:
Geophysics and Marine Geoscience Branch
Energy, Mines and Resources Canada
Calgary, Alberta

March 1992

This report was prepared for Energy, Mines and Resources under contract. The report documents the methodology for an inventory of abandoned mines; with the objective of identifying sites of potential interest as sources of geothermal energy. The report also presents data for inventories conducted in Quebec and Nova Scotia. The opinions expressed are those of the author, and not necessarily those of Energy, Mines and Resources Canada.

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SUMMARY

Canada has an abundance of abandoned underground mines. The sites can be an environmental or safety hazard if not abandoned properly; but they are also a resource in their own right. Many uses can be made of abandoned mines. Among the applications is the extraction of low-temperature geothermal energy from flooded mines. In Canada, energy from waters in abandoned coal mines underlying Springhill, Nova Scotia is already being used. Geothermal resources are being developed or are under consideration from other mines in Nova Scotia and in Val d'Or, Quebec.

This report documents a project to develop methodology for an inventory of abandoned mines; and to conduct inventories of abandoned mines in Quebec and Nova Scotia. The objective of the inventories is to identify sites with geothermal potential.

Whether a specific abandoned mine has geothermal potential is dependent on both the characteristics of the site, and the market for the energy (prospective users). Assessing the geothermal potential of individual mine sites requires detailed review of existing information (e.g. mine plans and features of the underground workings, hydrologic characteristics), site visits, and monitoring/measurements.

Prior to embarking on such detailed assessment, there is a need for a mechanism to identify sites that warrant further consideration. The proposed inventory is intended to meet this need. The inventories will assist in identifying sites which could be of interest as a source of geothermal energy. Whether the sites have a suitable hydrologic regime and water chemistry are issues that will require investigation.

The inventory methodology and the choice of parameters for the inventory data form were based on helping to identify abandoned mines of interest. The underlying assumption is that the sites of interest are those of sufficient size and energy potential to attract prospective energy users to locate near them; and those located near existing facilities which could make use of the resource. Therefore, the inventory parameters focus on specifying the location of the mines; the closest communities; the size, depth, and features of the underground workings; and the ore and host rock geology.

Using the project methodology and data form, inventories of abandoned mines were conducted in Quebec and Nova Scotia. The inventories are likely to have incorporated the major abandoned mines; and they provide information on the parameters chosen as indicators of geothermal potential (e.g. location, tonnes of ore produced, depth). The inventory data do have limitations. The sources used did not consistently provide information on mine depth, tonnage or production; and provided relatively little information on the features of the underground workings and the surface access. No geohydrologic information was collected.

The inventory identified 165 inactive (abandoned) underground operations in Quebec. All the abandoned mines were metallic mines. In addition 94 Quebec properties which never went into production, but which were the site of considerable underground activity in the course of exploration, are identified. Most of the very small, old (pre-1900) operations were excluded.

In Nova Scotia a total of 392 abandoned underground mines/districts were identified. The Nova Scotia operations fell into three categories: 165 were metallic mineral mines or districts; 14 were industrial mineral mines; and 213 were coal mines.

The project confirms that there are numerous abandoned mines in Quebec and Nova Scotia that warrant consideration for use as sources of geothermal energy. The sites and their potential applications differ in magnitude: large geothermal energy sources can be considered for district heating of portions of communities or industrial parks; small abandoned mines could serve as an efficient energy source for individual residences.

Any abandoned mine can have potential applications if the geothermal regime is appropriate and if there is an interested user. As sites of primary interest, it would be logical to focus initially on major mines in proximity to larger established communities. In Quebec, consideration should be given to abandoned mines in the vicinity of major mining centres such as Val d'Or, Rouyn-Noranda, and Chibougamau. In Nova Scotia consideration should be given to additional applications from major coal properties.

The use of low-temperature geothermal resources from abandoned mines is in its early stages, but shows promise. A number of different actions are needed to foster the efficient, use of such geothermal resources in Canada. Specifically: prospective energy sources (sites) should be identified; the available technology for recovering low-temperature geothermal energy should be documented; the awareness of potential users of the resource should be raised; markets should be identified and developed; and the associated legal and environmental issues should be resolved.

Recommendations

Inventories similar to those conducted for Nova Scotia and Quebec are a start in the process of assessing geothermal potential, but their nature and limitations must be recognized. The report makes a number of recommendations regarding the conduct of similar inventories (see "Lessons Learned and Recommendations" in section 1.3); and regarding additional work needed to assess and promote the use of geothermal energy (see section 1.6).

PART 1

INTRODUCTION, METHODOLOGY, AND OUTCOME

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1.1 INTRODUCTION

Canada has a mining tradition. The exploration and extraction of mineral resources were an integral part of the development of Canada. Jacques Cartier's sixteenth century expeditions to (what would become known as) Canada were the result of a commission from the King of France to discover "certain isles and countries where it is said there must be great quantities of gold and other riches" (Brown, 1987). The first post-colonization mineral discovery was made in 1604; iron and silver were reported at St. Mary's Bay, Nova Scotia (Longo,1973). Additional reports of gold, copper and coal by explorers and early settlers encouraged colonization.

The search for mineral resources was one incentive for the early settlers to continue the exploration of the country. Mineral resources brought populations to new areas; led to the establishment of communities; and contributed to the prosperity which influenced all aspects of the development of Canada, including social programs. The evolution of the mining industry also contributed to the development of policies and laws on issues as diverse as mineral rights, labour/employment, occupational health, and the environment.

Individual mines have a life-cycle: they are developed, produced, and eventually operations cease. There are hundreds of abandoned mines in Canada. There are both potential benefits and problems associated with the abandoned operations. The mines can be an environmental or safety hazard if not abandoned properly; but they are also a resource in their own right. Many uses can be made of abandoned mines; several have been reincarnated as mining schools, mining research facilities, mining museums, or as sites for underground storage and disposal of wastes.

Abandoned, flooded mines are also potential sources of low-temperature geothermal energy. Water from abandoned mines in Springhill, Nova Scotia has been effectively and economically used as an energy source for heating (and cooling) commercial and industrial establishments (see section 1.4). Other geothermal applications from abandoned mines are being developed or are under consideration in Nova Scotia, and in Val d'Or, Quebec.

The existing applications indicate the potential for broader use of geothermal energy from abandoned mines. A number of sites could prove to have economic, energy applications; particularly in the vicinity of major mining communities with diversified commercial and industrial activity.

The use of geothermal energy is compatible with the current philosophy of recycling (mines in this case), conserving fossil fuels, and choosing less environmentally harmful sources of energy. The potential geothermal energy in abandoned mines warrants consideration.

This report documents a project done under contract for Energy Mines and Resources Canada (Geophysics and Marine Geoscience Branch, Calgary, Alberta) by Katherine Arkay Consulting, Ottawa. Portions of the work were contracted to Explograph Inc. (Laval, Quebec) and Porter Dillon Ltd. (Halifax, Nova Scotia). Pierre Poisson (Explograph Inc.) and Patricia Patterson (Porter Dillon Ltd.) assisted in the development of the methodology, compiled the inventory data for their provinces, and provided input to the conclusions.

Objectives

The project objectives were to develop and test a methodology for an inventory which would include all abandoned, underground mines; and would provide sufficient information for a first-assessment of abandoned mines, and the identification of sites with geothermal potential.

More specifically:

- To develop a methodology for an inventory of abandoned mines.
- To choose appropriate inventory parameters, and to develop an inventory data form for use in collating information on abandoned mines.
- To conduct a pilot test by carrying out inventories of abandoned mines in two provinces (Quebec and Nova Scotia).
- To assess the results of the inventories, and to develop conclusions and recommendations regarding: availability of (relevant) information on abandoned mines; usefulness of the inventory data in determining geothermal potential; and methodology for similar inventories.
- To identify priority work to be done in assessing or developing geothermal energy from abandoned mines; and in promoting use of such geothermal energy sources in Canada.

Note: The objective of the project was to establish a framework for comprehensive identification of abandoned mines, and for collation of sufficient information to identify mines with geothermal potential (i.e. mines that warrant additional consideration). The development of the methodology for the actual detailed assessment of the geothermal potential, and the conduct of such assessments were outside the scope of the project.

What Constitutes Geothermal Potential and What Applications are Being Targeted?

In scientific terms the geothermal energy potential of an abandoned mine can be defined as the energy recovery from minewater that can be sustained, for specified durations and at specified pumping rates. In practical terms, a site only has potential if there is a market (use) for the energy, and if the characteristics of the site can match the market need. Therefore, the geothermal potential of a particular abandoned mine will be dependent on a number of factors including the nature of the underground workings; the local geohydrologic regime; the available technology for efficiently and economically recovering energy from the minewaters; and the demand for the resource (i.e. the needs of potential users of the energy).

The applications for low-temperature geothermal energy from mines can range from development of municipal district heating systems using extensive, deep, underground mine workings; to auxiliary heating for small businesses or individual residences using small mines. The early applications have focused on commercial and industrial use, and this trend is expected to continue in the short-term. In the long-term a broad spectrum of applications may develop.

Target Audiences for Report

Inventories of abandoned mines can be an important component in the investigation, promotion, and development of low-temperature geothermal energy resources. This report is targeted to three audiences. Specifically, individuals and organizations:

- interested in identifying and developing geothermal resources from abandoned mines in Quebec or Nova Scotia;
- interested in conducting similar first-assessment inventories in other areas; and
- interested in the overall strategy (and related technical, policy, and legal issues) for assessing, marketing and developing geothermal energy from abandoned mines.

Such inventories could be used by municipal, regional, and provincial governments (e.g. ministries responsible for energy, environment, or municipalities), and by Chambers of Commerce to help identify cost-efficient energy opportunities; to assist local businesses; and to attract new businesses. The inventories could also be used by companies/businesses making siting decisions for new facilities.

Organization of Report

The Report is organized into three parts:

Part 1 documents the project objectives; methodology; outcome; conclusions and related recommendations.

Part 2 provides a compilation of summary tables, and individual mine information forms completed in the course of the inventory.

Part 3 is the Appendices and consists of the reference list; detail on the source materials and their use in the Quebec and Nova Scotia inventories; and auxiliary information on specific mines covered in the inventory.

1.2 METHODOLOGY

Design of the Inventory Data Form

The objective of the project was to help identify abandoned mines with geothermal potential. In designing the inventory data form the intent was to incorporate as much useful information as possible: information useful for the actual assessment of the geothermal potential; as well as for identifying sites that may have geothermal potential.

The process of choosing the parameters to include in the inventory started with the development of two separate lists:

- parameters needed for deciding whether a specific abandoned mine has possibilities (as a source of geothermal energy) and warrants further consideration (discussed below);

- parameters needed for a detailed assessment of the geothermal potential of a specific abandoned mine (See Box 1).

Investigation was then undertaken, in both Quebec and Nova Scotia, to identify the available information sources; and to determine which of the parameters it would be possible to document using a few, major, readily available information sources. It was concluded that obtaining much of the information required for detailed assessment of geothermal energy potential (e.g. geometry of the underground workings; abandonment status; water chemistry, temperature, or flow information) could require detailed review of mine plans, site visits, or even on-site measurements.

The choice of parameters to incorporate into the information form for the inventory was made based on the reality of the readily available information; and the parameters considered desirable (necessary) for an initial identification (first-assessment) of sites of interest. The most important factors for a first-assessment of geothermal potential include the location of the mine; the size and geometry of the underground workings; the geology; and the operating period. It is assumed that large abandoned operations, and those close to established communities are most likely to be of interest.

- Geothermal energy from abandoned mines is not likely to develop into a major export commodity; the applications are likely to be local. Therefore location is of critical importance to organizations seeking geothermal resources to market or use.

- The magnitude of the geothermal potential is to a large degree dependent on the size and depth of the underground workings. Mining production (an indicator of the volume of rock removed), maximum depth, and details on the nature of the underground workings (e.g. number of shafts and adits) are all useful for assessing the potential.

Inventory Forms: Parameters Included and Their Meaning

Completed inventory forms are provided in Part 2 of this report. The parameters included on the forms are listed below with some explanation as appropriate:

Mine Name: The most recent registered mine name. In Quebec the mine name frequently changed with changes in ownership; previous mine names are provided in brackets.

Site #: With the exception of Nova Scotia coal mines, the site number is the mineral occurrence number allocated by the province. This number is useful in tracking information on a specific mine, from different provincial information sources. The Nova Scotia coal mines are not allocated a mineral occurrence number. For the purposes of this inventory a site numbering system has been develop for the coal mines.

Township: The name of the county/township within which the mine is located.

N.T.S.: The National Topographic Series map sheet number (scale 1: 50,000).

Latitude/Longitude (or U.T.M.): For locating the mine either the latitude/longitude or the Universal Transverse Mercator co-ordinates are provided. (Note: One system should be chosen per provincial inventory).

Closest Community: The name of the closest community (as indicated from N.T.S. maps), and the approximate distance in kilometres. More than one community can be listed, particularly where there is a larger community nearby.

Minerals Mined: The primary commodity minerals, or the major minerals processed (depending on information available).

Host Rock: The rock type and, where available, the formation name. The minerals mined and the host rock provide some clues to geohydrologic regime and to water chemistry (factors which can affect geothermal applications).

Maximum Depth: The depth of the underground workings provides an indication of geothermal gradient and water temperatures.

Ore Removed: The tonnage of ore removed can provide an indication of the volume of the underground workings and of the potential volume of water.

Operating Period: The dates indicate the time from the start of operations until the mine became inactive (or abandoned). This information helps to estimate the mining technique likely to have been employed, and the possible condition of the underground workings.

Underground Workings: Details on the geometry of the underground workings, such as number and depth of shafts and levels. Any information on abandonment status.

Information Sources: Identified by numbers which coincide with the numbered reference list of major sources for the inventory data.

Information Appended: Indicates whether additional information on the mine is provided in Appendix C or Appendix D.

Geothermal Potential: An indication of whether the site is considered to have geothermal energy potential. There are three options: yes; unlikely; and unknown. The choice of options is subjective. By definition, sites within 10 Km of a community and with "moderate" production; or sites (anywhere) with greater than five hundred thousand tonnes of production are considered to have potential. Very small and remote sites are considered "unlikely". Sites for which little information on production is available (from the data sources used in the inventory) are designated "unknown".

Conduct of the Inventories

The conduct of the inventories involves two major stages: the identification of abandoned mines; and the collection of the information for the inventory data sheets. For both stages, identifying the relevant information sources is critical. The ease of compiling the inventory, and the usefulness of the final inventory product are dependent on choosing the best sources of information for identifying the abandoned mines, and for collecting the inventory information.

BOX 1

Parameters Relevant to Assessing Geothermal Energy Potential

As a first step, a comprehensive list of the parameters that would assist in assessing geothermal potential of a specific mine was drawn up. The parameters addressed the mine location; geometry of the underground workings; abandonment status; geohydrological features of the mine and the area; and local land use. Specific parameters include:

- precise location of mine (latitude/longitude or U.T.M.);
- topographic map sheet number;
- local topography;
- total mine depth;
- depth to underground workings;
- type of mine (ore and geology);
- mining methods used;
- tonnage removed;
- volume and geometry of workings;
- known surface communication features such as ventilation shafts;
- abandonment date;
- abandonment status and features;
- temperature information from mine;
- water chemistry or pumping information from mine;
- hydraulic potential;
- availability of mining plans and other information;
- information sources;
- current local land use.

A fundamental principal, and perhaps the most important aspect of the inventory, is to be comprehensive in the identification of sites (i.e. to identify as many abandoned mines as possible). If a mine is not included in the inventory it cannot be identified as having geothermal potential. Conversely, once an abandoned mine is listed in the inventory, interested individuals can always investigate and obtain more information on the site.

Even a small to moderate sized abandoned mine can have geothermal applications if the hydrologic regime is appropriate and if the location is favourable. Therefore, it was decided that any abandoned underground operation would be included in the inventory, unless the operation was extremely small.

In terms of information sources for completing the inventory data sheets, it is important to find sources that readily (quickly) provide much of the information required for a first-assessment of geothermal potential. The inventory design is based on a review of major source documents, not on in-depth research on each individual mine. The intent is to access general information sources. Review of detailed site-specific documents such as mine plans and operations reports is outside the scope of this inventory. The information provided in the inventory is not a summary of all the available information on each mine; but should be sufficient to help individuals using the inventory to identify properties of interest to them.

Mines To Include In the Inventory: Parameters for Exclusion

While the underlying objective was to document all abandoned mines with underground workings, consideration was given to whether there were grounds for excluding mines from the inventory, and if so on what basis. The decision was made to include all mines with a shaft in excess of twenty metres in depth.

The Quebec Inventory: Information Sources and Methodology

Information, predominantly from a variety of Québec Ministère de l'Energie et des Ressources documents and data bases, was used to identify the abandoned mines and to complete the inventory sheets. Ten major sources (listed below) were used.

Sources 1, 2 and 3 were most useful in identifying abandoned sites; sources 4, 5,and 6 were used to provide additional data for the inventory; the inventory data were obtained primarily from source 6; sources 7-10 were used to update information from the other data sources.

Note: An outline of the types of information provided in each of the Quebec source documents is provided in Appendix B. The appendix is intended for individuals interested in the details of the Quebec inventory.

Sources of Information for Quebec Data Inventory:

1. C. Lavergne, *Gîtes minéraux à tonnage évalué et production minérale du Québec*, Gouvernement du Québec, DV 85-08 (1985): 77 pages.

2. Y. Bellemare, M. Germain, *Catalogue des gîtes minéraux du Québec (1er mai 1987)*, Gouvernement du Québec, DV 87-23 (1987): 279 pages.

3. Energy, Mines and Resources Canada, *Canadian Mineral Deposits Not Being Mined in 1989*, Mineral Bulletin MR 223, Supply and Services Canada, Catalogue No: M38-2/223E (1990).

4. Québec Ministère de l'Energie et des Ressources, *Computerized data base on abandoned mines*, internal documentation. Continually being updated.

5. Québec Ministère de l'Energie et des Ressources, *Liste des sites de mines abandonnées et actives du nord-ouest*, internal document.

6. Québec Ministère de l'Energie et des Ressources, *Fiches de gîtes*, internal documents. Continually being updated.

7. B. Desjardins, *1987 Rapports des géologues résidents: sur l'activité minière régionale*, Gouvernement du Québec, (ISBN: 2-550-18455-6, 1988): 257 pages.

8. B. Desjardins, *1988 Rapports des géologues résidents: sur l'activité minière régionale*, DV 89-01, Gouvernement du Québec, (ISBN: 2-551-12111-6, 1989): 209 pages.

9. L. Blais-Leroux, *1989 Rapports des géologues résidents: sur l'activité minière régionale*, DV 90-01, Gouvernement du Québec, (ISBN: 2-551-12370-4, 1990): 209 pages.

10. L. Blais-Leroux, *1990 Rapports des géologues résidents: sur l'activité minière régionale*, DV 91-01, Gouvernement du Québec, (ISBN: 2-551-12626-6, 1991): 171 pages.

The Nova Scotia Inventory: Information Sources and Methodology

Information, predominantly from a variety of Nova Scotia Department of Natural Resources documents and data bases, was used to identify the abandoned mines and complete the inventory sheets. Sixteen major sources (listed below) were used. Different approaches/sources were used for the coal mines and metallic/industrial mineral mines.

The identification of abandoned metallic and industrial mineral mines was based primarily on sources 1, 2, 3, 4, 5, 6, and 7; sources 8, 9, 10, and 11 were used to crosscheck and identify additional sites. The inventory data were obtained primarily from source 1, with additional information from source 15. Personal communication from staff at the Department of Natural Resources was used to help identify mines to include in the inventory, particularly with respect to industrial mineral mines.

Source 12 was the primary reference used for identifying abandoned coal mines, and for information on the location, tonnage produced, and operating period; sources 13 and 14 were also used to locate abandoned coal mines; and source 15 was used to provide additional information on coal production. Source 16 identified the Springhill coal mines currently being used as sources of geothermal energy.

Note: An outline of the types of information provided in each of the Nova Scotia source documents is provided in Appendix B. The appendix is intended for individuals interested in the details of the Nova Scotia inventory.

Less information was collected for the inventory data forms for coal mines. The information needed for a first-assessment of the geothermal potential of coal mines can be simplified. Many of the coal mines are large (even vast), deep, and near major communities. The mines of potential geothermal interest can be identified on the basis of a few simple parameters like production and location; and this information is readily available. Obtaining information on the details of the underground workings is not possible without spending considerable time reviewing detailed mine plans; such reviews were outside the scope of this project.

Sources of information for the Nova Scotia Inventory:

1. Nova Scotia Department of Natural Resources, *Mineral Occurrence Data Cards*, internal documents, kept in Halifax office. Continually being updated.

2. Nova Scotia Department of Mines and Energy, *Metallic Mineral Occurrences Map and Data Compilations*, Central Nova Scotia Map Sheets 11D and 11E, Open File Report 599 (1984).

3. Nova Scotia Department of Mines and Energy, *Metallic Mineral Occurrences Map and Data Compilations*, Eastern Nova Scotia Map Sheets 11F, 11G, 11J, 11K, and 11N, Open File Report 600 (1984).

4. Nova Scotia Department of Mines and Energy, *Metallic Mineral Occurrences Map and Data Compilations*, Western Nova Scotia Map Sheets 20O, 20P, 21A, 21B, and 21H, Open File Report 601 (1984).

5. Nova Scotia Department of Mines and Energy, *Industrial Mineral Occurrences Map and Data Compilations*, Central Nova Scotia Map Sheets 11D and 11E, Open File Report 606 (1985).

6. Nova Scotia Department of Mines and Energy, *Industrial Mineral Occurrences Map and Data Compilations*, Eastern Nova Scotia Map Sheets 11F, 11G, 11J, 11K, and 11N, Open File Report 607 (1985).

7. Nova Scotia Department of Mines and Energy, *Industrial Mineral Occurrences Map and Data Compilations*, Western Nova Scotia Map Sheets 20O, 20P, 21A, 21B, and 21H, Open File Report 608 (1985).

8. Nova Scotia Department of Mines and Energy, *Geology, Minerals, and Mining in Nova Scotia*, Information Series No.1, (1976).

9. Nolan Davis and Associates Ltd., *Potential for Groundwater Contamination Caused by Past and Present Mining, Milling, and Metallurgical Processing Activities in Nova Scotia*, Contract report prepared for Environment Canada, 1987: 24 pages and tables.

10. Energy, Mines and Resources Canada, *Canadian Mineral Deposits Not Being Mined in 1989*, Mineral Bulletin MR 223, Supply and Services Canada, Catalogue No: M38-2/223E (1990).

11. J.L. Bates, *Gold in Nova Scotia*, Information Series No. 13, Nova Scotia Department of Mines and Energy, (1987): 48 pages.

12. D.J. Gregory, *A History of Coal Mining in Nova Scotia*, Information Series No.2, Nova Scotia Department of Mines, Halifax (1978).

13. Nova Scotia Department of Mines and Energy, *Mineral Resource Land Use Maps*, Sheets 11E/06 draft, 11E/10 draft, 11F/15, 11F/16, 11J/04, 11K/01, 11K/08, and 21H/09 draft, dates vary.

14. Nova Scotia Department of Mines and Energy, *Location of Mine Workings Maps*, (dates vary).

15. Nova Scotia Department of Mines and Energy, *Annual Report of Mines*, (1862 to 1990).

16. J. MacDonald, Geothermal Co-ordinator, Town of Springhill, personal communication, March 1992.

1.3 OUTCOME/RESULTS

Overview

A methodology for compiling a list of abandoned mines, and for collecting information on specific parameters was developed. Inventories were prepared for Quebec and Nova Scotia It appears that the methodology is effective in identifying significant, but not all, abandoned mine sites; and that information useful for identifying sites with geothermal potential could be prepared from major available documentation (without in-depth study of mine plans).

With consideration to the references (sources) used to identify abandoned mines it is unlikely that major sites were excluded from the inventories. But it would be difficult, if not impossible, to provide an inventory which includes all abandoned underground operations. In both provinces there are large numbers of early (1700 and 1800's) operations that are small and poorly documented. These sites are not consistently included in the inventories. It is unlikely that this will result in the exclusion of sites with major geothermal potential; but some sites with potential applications could be missed.

The sources used for the inventory data did not always provide information on all the inventory parameters, but the information was adequate to meet the inventory objectives. More specifically, there is sufficient information for an individual/organization interested in specific areas to choose sites worth further consideration.

Data Limitations

In considering/using the inventory data some limitations should be kept in mind. In particular:

- The inventory data provide only a preliminary identification of sites with geothermal potential. The inventory does not include specific information on the geohydrologic or geothermal features of the mines.

- The inventory is an overview; the information is from general sources. The inventory does not reflect an in-depth review of all the relevant information on each mine site.

- The data sources used did not necessarily provide complete or accurate information on the inventory parameters (e.g. mine depth, ore produced, details of the underground workings). This is not because the sources are unreliable but because they were not designed (intended) to provide definitive information on some of the parameters necessary for even a first-assessment of geothermal potential of abandoned sites.

- During the data collection phase it was noticed that information on a specific mine could vary between sources. For example the precise mine location (latitude/longitude), primary minerals, and depth figures quoted for a mine were not consistent.

- The estimation of the magnitude and geometry of the underground workings (factors critical to identifying sites of potential interest) was particularly difficult. In several cases the tonnage of ore removed was the only indicator of the size of the underground workings. For a small to medium sized mine in search of veins of ore (e.g. many of the Nova Scotia gold mines) the volume of ore removed can be a small proportion of the volume of the underground workings required to get to and remove the ore.

- For most sites, with the exception of very old operations, there are additional, more detailed sources of information (e.g. mine plans and company annual reports) available to detail properties considered of interest.

- The information required to complete the inventory forms is only part of the story in terms of assessing geothermal potential. The inventory data can help to identify sites of potential interest. To assess the geothermal potential of a site a variety of other information is required. These information requirements are discussed in Section 1.5 of this report.

Mini-Mining History of Quebec

Mining has had a major influence on the economic, political, social and geographic development of Quebec.

For five-thousand years prior to European colonization, the Amerindians inhabited the St. Lawrence Valley and used diverse metals for making tools and ornaments. The 16th and 17th century explorers from Europe were dispatched with instructions to find countries with gold and other riches. They returned home with stories of mineral occurrences told by the Indian inhabitants, and with news of mineral sightings. These early reports of mineral wealth fuelled the ardour to colonize Canada in general and Quebec.

But the early results of mineral exploration in Quebec were disappointing. With the exception of quarries for building materials, and the operation of an iron mine and foundry at the St. Maurice Valley (near Trois Rivieres) there was little mining activity until after 1840. Mining was a weak contributor to the economy - well behind furs, agriculture, and forestry. The St. Maurice mine/foundry complex established in 1729 is of note as it was the first post-colonization mining town in Quebec; a classic mining town with its inhabitants dependent on the mine and related activities for employment.

From 1840 to 1920 there was systematic mineral exploration in Quebec, even in the more remote northwest portion and in Labrador. Many of the major Quebec mineral occurrences were discovered in this period, although most were developed much later. During this period a considerable number of mines were established, including the first gold operation in the province (Beauce, 1847), the first apatite mine (L'Outaouais, 1870), and a number of copper and asbestos operations. Most of the mining activity was concentrated in the south and centred around Thetford Mines, Black Lake, and Asbestos. Most of the mines were small. Several towns were established as a consequence of mining activity.

In 1920 there was a recession with a sharp drop in mining production. This led to a new era: 1921-1950. During this period the northwest portion of the province was opened up, railways and roads were constructed. Major technological advances led to the delineation and development of many deposits discovered decades earlier. Major copper and silver mining developments in the Abitibi region led to "colonization" of the district, and the establishment of several communities. The Abitibi region was the non-ferrous mining centre of the province during this period.

After 1950 there was major development in the Côte Nord, Ungava, and Lac St. Jean areas.

There has been over five-hundred years of post-colonization mineral exploration and development in Quebec, with the majority of the mineral extraction occurring after 1920. The development of the Quebec mining industry resulted in the establishment and growth of a number of major mining centres (communities).

Quebec Inventory Results

The individual mine data inventory sheets and summary tables for the Quebec inventory are provided in Part 2 of this report.

In summary, inventory data sheets for 165 abandoned mines are included. In addition a table in Part 2 provides information on 94 sites which never went into production (and therefore are not abandoned mines) but which were the sites of considerable underground activity in the exploration phase. These sites have some geothermal potential because of the magnitude of the underground workings.

A number of sources for identifying abandoned sites are available. It is probable that the major abandoned mines in the province are included in the inventory. Prior to 1920 there were an indeterminate number (probably hundreds) of small, poorly documented, mining operations in the Eastern Townships, and in the belt between Montreal and Hull. The majority of these mines are excluded from the inventory, but it is unlikely that sites with significant geothermal potential will be missed as a consequence.

The information on inventory parameters, that was available from the sources used, was adequate to identify major (large) abandoned mines, and sites close to communities. Information on mine depth, underground workings, and abandonment status was not consistently available; and was generally not available in detail. The inventory can be used to identify sites of potential geothermal interest for further consideration, and does provide bibliographic information to assist individuals interested in specific sites.

The abandoned mines of potential interest as sources of geothermal energy are primarily those operated into and after the 1940's. The earlier mines were generally quite small. Abandoned mines in the vicinity of the major mining centre warrant particular attention in terms of geothermal applications. The communities include: Chapais, Chibougamau, Malartic, Matagami, Murdockville, Noranda, Rouyn, and Val d'Or.

Mini-Mining History of Nova Scotia

Mineral resources have also affected the colonization and economic development of Nova Scotia. The search for minerals was a reason for the original European colonization. Post-colonization, numerous minerals have been extracted via underground mining operations. The list includes: native gold, coal, chalcocite, galena, sphalerite, hematite, magnetite, siderite, pyrolusite, scheelite, molybdenite, halite, fluorite, barite, talc, and graphite.

The two commodities with the most significant mining history and impact on the province are coal and gold. The development of gold and coal properties led to the establishment of several communities. Coal has been the most significant mining commodity throughout the colonized period and has been a major source of employment and provincial product.

As early as 1604, iron and silver were reported at St. Mary's Bay, Nova Scotia; in 1673 the Governor of Nova Scotia sent dispatches to France noting the presence of good coal deposits near Cow Bay (Cape Breton Island). By 1720 coal was being mined to supply the fortress at Louisville; and soon after, coal from the Joggins area was mined by the Acadians. Pictou County coal was discovered in 1798 and by 1807 a small seam was worked. The first recorded export of minerals from Canada occurred in 1724 when a shipment of coal was sent from Cape Breton to Boston.

From 1826 to 1857 the General Mining Company, under a lease from the Duke of York, had a virtual monopoly on the province's coal resources. In 1857 the majority of the resource was transferred to the provincial government. With this change, the pace of development accelerated. By 1870, twenty collieries were operating in Cape Breton.

In 1893 the Dominion Coal Company was formed. The Company, in tandem with subsidiaries and independent operators formed an industrial organization with leases and

interests in coal deposits on Cape Breton Island; and on the mainland in Pictou, Cumberland, and Colchester Counties. A new era of coal mining began. Markets were developed and the coal trade was revolutionized.

In all, eleven major coalfields were developed. From the turn of the century into the 1950's coal mining boomed. The major areas were the Sydney Coalfield, the Pictou Coalfield, and the Springhill Coalfield (See Box 2). Production peaked in the mid 1940's. After the Second World War there was a steady decline in the market for coal. This in tandem with a number of mining disasters led to the closing of all but four of the coal mines. There are still major coal reserves in the province; changes in technology, and new demands (markets), could lead to more coal recovery in the future.

Over the course of the development of the coal resources there have been well over two hundred mines. The long-term development of coal resources has led to the establishment and growth of major communities (e.g. Glace Bay, New Glascow, Springhill, Stellarton, Sydney).

Some of the Nova Scotia coal mines are among the largest and deepest mines in North America. Coal was mined to 1280 m in the Springhill Coalfield; 915 m in the Sydney Coalfield; and 640 m in the Pictou Coalfield.

The other major mining commodity with abundant related activity is gold. By the 1830's gold had been noted by road construction labourers. The first authenticated gold discovery was in Mooseland in 1858, but there was no immediate frenzy. It took a second discovery in 1860, in the same area, to start the first gold rush. There have been four separate Nova Scotia gold rushes:

- The first rush (1860-1874) was limited by the available technology for finding and extracting the gold. The rush ended as the first finds were depleted.

- The second rush (1896-1903) was characterized by new, improved technology (e.g. dynamite, cyanide, better milling equipment). The rush ended when the Klondike finds and the Ontario mining camps drew exploration away from Nova Scotia.

- The third rush (1932-1942) resulted from increased demand for arsenopyrite (a mineral found in conjunction with gold in the Nova Scotia deposits), and from increased gold prices.

- The fourth rush (post 1972) was largely the result of high gold prices.

The majority of the gold extraction was from small mines; and there were dozens if not hundreds of small operations in the late 1800's or early this century.

BOX 2

Coal Production Totals in Nova Scotia
(in tons)
1863-1976

Nova Scotia	**380,551,167**
Counties	
Cape Breton County	258,334,227
Pictou County	62,942,541
Cumberland County	48,890,265
Inverness County	9,924,728
Colchester County	369,581
Victoria County	174,977
Richmond County	4,878
Coalfields	
Sydney Coalfield	258,506,325
Pictou Coalfield	62,942,541
Springhill Coalfield	35,345,860
Joggins-River Hebert Coalfield	13,454,405
Inverness Coalfield	7,999,120
Port Hood Coalfield	1,068,936
St. Rose-Chimney Corner Coalfield	786,998
Kemptown-Debert Coal Area	369,581
Mabou Coalfield	69,674
Richmond County Coalfield	4,878
Glengarry Coal Area	2,879

Source: D.J. Gregory, *A History of Coal Mining in Nova Scotia*, Information Series No.2, Nova Scotia Department of Mines, Halifax (1978).

Nova Scotia Inventory Results

The individual mine data inventory sheets and summary tables for the Nova Scotia inventory are provided in Part 2 of this report.

Inventory data sheets for 179 abandoned metallic and industrial mineral mines (or districts) and 213 coal mines are included. Information on the coal mines is provided separately from the metallic and industrial mineral mines. This is partially because the coal mines are not allocated provincial mineral occurrence numbers (and therefore the data sheets can not be organized using the system established for the metallic/industrial mineral mines). Moreover, the information sources, and the types of readily available information for a first-assessment inventory of coal mines differ from that for the other minerals; and a different approach can be taken to identify coal mines considered to have geothermal potential.

Of the abandoned metallic and industrial mineral operations: 67 are gold operations; 98 are other metallic mineral operations (gold excluded); and 14 are industrial mineral mines. Many of the operations were early developments for gold, copper, and iron. It is difficult to generalize (because there are several exceptions) but overall the metallic and industrial mines operated prior to 1920 were small (less than 30 metres deep and without major lateral workings) and not likely to offer major geothermal applications. A large number of the operations fall into this category.

Operations that ceased prior to 1900 account for 32% of the mines; between 1900 and 1925 for 27%; between 1925 and 1940 for 18%; after 1940 for 15%. The operating period was not specified for 8%; this probably means that the operations were early. Moreover, many of the gold districts and mines operated primarily prior to 1925 were worked intermittently into the 1950's, giving apparent weight to the more recent mines.

The inventory information on the coal mines is limited to the mine name, area (township, and N.T.S.), closest community, production, operating period, production, and seam(s) mined. This information is sufficient to identify operations which are of interest on the basis of size and proximity to communities. This is just the start. There are numerous features of coal operations to be addressed in establishing or assessing geothermal potential.

Of particular note, numerous, separate mines were established to recover coal from adjacent seams and from different portions of the same seams. Several of these mines are interconnected via their workings. This fact is relevant in designing geothermal applications.

It is probable that the major abandoned mines in the province are included in the inventory; as are many of the small, older operations. It is certain that some of the older abandoned operations are excluded; but it is unlikely that many sites with significant geothermal potential have been missed as a consequence.

For metallic and industrial mineral mines, the information on the inventory parameters was not always available from the sources used. Availability of information on mine depth, production, primary minerals, underground workings, and abandonment status was not consistent, and varied with the type and age of the operation. Details for early (pre-1900) operations were very sparse, and the information on the gold operations is generally aggregated into Gold Districts rather than retained on a mine-specific basis; there is generally less information provided for "modern" industrial mineral mines than for metallic mines.

The inventory can help to identify sites of interest for further consideration of geothermal potential, and does provide bibliographic information to assist individuals interested in investigating specific sites in more detail. (See Appendix D).

The abandoned mines of potential interest as sources of geothermal energy include the major coal mines in the different coalfields, and the metallic and industrial mineral mines operated into/after the 1940's. The earlier mines (coal excepted) were generally quite small. Abandoned mines in the vicinity of the coal mining centres warrant particular attention because of the nature of the coal mines (often large and deep); and the potential industrial and commercial markets for geothermal energy.

Comparison of the Quebec and Nova Scotia Inventory Process: Similarities and Differences

Overall, the methodology, information sources, and data collated were very similar for the Quebec and Nova Scotia inventories. There are some differences between the inventory packages; these largely reflect differences in the data sources. The major differences:

- Most of the very small, old, mining operations were deleted from the Quebec inventory. Many, though not all, such sites were included in the Nova Scotia inventory. Information on these early abandoned mines was more readily available from the Nova Scotia source documents.

- In Nova Scotia latitude/longitude was the preferred way of locating sites because of the nature of the available U.T.M. map projections; and because the provincial mineral claims system is based on latitude/longitude. In Quebec the U.T.M. co-ordinates were used.

- The primary information source used for inventory data in Quebec provided somewhat more detail relevant to the underground workings than the primary source used in Nova Scotia. This does not imply that the information on Nova Scotia mines is inferior to the information on Quebec mines; it simply means that the Quebec *Fiches de Gîtes* contain more detail on the information relevant to the inventory than the Nova Scotia *Mineral Occurrence Cards*.

Lessons Learned and Recommendations

The pilot projects in Quebec and Nova Scotia showed that it is possible to conduct first-assessment inventories. The value of the inventories can not be assessed yet, and will ultimately depend on whether the inventories are used, and if they prove to be worth using. A number of lessons were learned in the course of the inventories.

- The inventories should be designed and conducted with significant input from the relevant provincial ministries. Note: Prior to initiating an inventory, the need should be determined. It is possible that some provinces have already developed inventories of abandoned mines.

- If an inventory does not exist, and is deemed desirable, the first step is to identify the sources of information that are available, and to determine which sources to use. It is critical to be ruthless in limiting the information sources, and to be effective in picking the best sources. The objective is to find a few reliable sources that provide much of the information required for the inventory data sheets.

- It is critical to accept that the inventories are rough overviews, and not the final word on each mine. The data inventory sheets will not necessarily be complete for each mine; not because the information is not available somewhere in the provincial or mine records, but because it may not be possible to research/collate it all within the constraints of an overview inventory. Without acceptance of this fact the inventory compilers risk madness, or at best major overruns in the time allocated for the project.

- Ideally, all abandoned mines (even very small and very remote sites) should be identified and included in an inventory. It would be logical and efficient to integrate the abandoned mine/geothermal inventory with a broader abandoned mine inventory, which could be used for a variety of purposes (this is discussed under Recommendations in section 1.6). However, if an inventory is being developed uniquely to identify mines with geothermal potential, then small, old operations should be deleted. The effort required to identify all such sites is not warranted in terms of their current potential for geothermal energy recovery.

- The inventory data should be placed in a computerized data base to maximize its usefulness, and to facilitate updating.

1.4 THE SPRINGHILL EXPERIENCE

"Cost-effective use of geothermal energy may hold the key to industrial development in the town of Springhill, and has potential applications in other mining communities in Nova Scotia and throughout Canada" (Canadian Electrical Association, June 1990).

An overview of the Springhill experience is presented here because the development of the Springhill geothermal resource identifies the range of relevant technical, marketing, and legal/regulatory issues. There is much that can be learned from the Springhill experience. There is also additional work that can be done to build on the existing Springhill knowledge base; and to provide information useful for other communities or corporations interested in considering geothermal applications from abandoned mines.

Since 1984 the Town of Springhill has been actively involved in investigating and demonstrating the feasibility of using the anomalously warm groundwater in the abandoned coal workings underlying the town, as a source of low-cost geothermal energy for industrial or commercial applications. The Town's objective is to reduce the operating costs of existing industries, and to attract new industries.

At present water source heat pumps accessing minewater are used by Ropak Can-Am Ltd. (a plastic molding manufacturing company), M.B.B. Mechanical Ltd. (metal fabrication), and the Pizza Delight restaurant. A district heating system is under consideration for the commercial core.

Mines and Early Geothermal Signs

Over 200 years of coal mining in the Springhill area have left many square kilometres of old workings in the form of tunnels and passages. Five worked mine seams are located below the town, including portions of the business and industrial sections. The workings, abandoned since 1958, are now filled with water.

The Springhill mines are among the deepest in the world. Much of the early information on warm minewater near surface was anecdotal. Surface seeps of minewaters in excess of 21 degrees C (in the winter) were reported in the Springhill area in the 1970's. A 1976 water supply well drilled for Can-Am Containers Ltd. (and subsequently abandoned) was reported to produce 4.54 L/s water at 18-20 degrees C. The minewater temperatures are considerably higher than the regional average groundwater temperature. The probable cause is access to deeper waters and hence "more geothermal gradient"; gravity circulation in the mines is believed to bring deeper, warmer waters to shallower levels providing a near surface energy pool. It is also possible that some exothermic reactions occur within the mines.

Previous investigation of the minewater concluded that it was not suitable as potable water because of quality (e.g. elevated iron, manganese, total dissolved solids, sulphate, chloride, ammonium) but that there could be industrial applications including heating.

In the early 1980's the work of Ralph Ross (a local visionary) documenting the potential of the minewater to serve as a source of energy caught the Town of Springhill's interest. After a site visit to an area in Pennsylvania where low-temperature geothermal energy is recovered

from abandoned mines, the Town Council was convinced that the technology for heat recovery was available. In 1984 the Town approved $20K to investigate the geothermal energy potential of the minewaters, and established a Geothermal Committee. The primary interest was in proving an inexpensive energy source to attract industry/commerce to stay in, or move to, the community.

In 1985 the Town and the Federal Department of Energy Mines and Resources entered into a study agreement culminating in a theoretical review of the concept of using geothermal energy in Springhill. The results, documented in the project report (Booth, 1987), were that:

- Use of geothermal energy from the flooded mines below the Town is technically feasible, and economically feasible in selected applications.
- A number of practical applications are possible.
- Use as an energy source for the industrial park is attractive.
- Public utility ownership can offer advantages to the Town and the users.
- Tests wells are needed.
- Demonstration projects are needed.
- A market analysis is needed to promote the concept.

On the basis of the encouraging report, a test drilling and pumping program was carried out to investigate the geothermal resource, and to identify potential sites for demonstration projects. Twelve test wells were drilled. Baseline data on water temperature, chemistry (water quality) and hydrogeology were collected to assess the long-term heat recovery potential of the resource; and to identify water quality considerations to accommodate in equipment design.

The conclusions as reported (Jacques Whitford and Associates Ltd., 1987) were that:

- Minewaters from the #1, #2,and #3 mine seams are interconnected.
- Minewater was found 40m below ground surface, and was 17-18 degrees C under the pumping conditions.
- Water properties suggest that the source of the high temperature water is from depth in the mine.
- Pump data indicate a 3 month continuous safe yield of 15-22.7 L/s; and a 20 year continuous yield of 13.3 L/s. The minewater table remained constant after pumping at 17 L/s for seven days (even when pumped water was sent to waste and not returned to source).
- Care must be given in establishing the long-term continuous flow rates in the shallow workings.
- Minewater chemistry is within acceptable limits but care is needed in equipment selection, and to ensure that oxygen intrusion is prevented.

On the basis of these promising results the Town entered into the next phase: participation in two monitored demonstration projects to obtain information on system performance and efficiency. In December 1988 the Ropak Can-Am Ltd. facility was chosen to be the first demonstration site; the geothermal system was in operation in March 1989. In March 1990 the Pizza Delight restaurant (the second demonstration site) was connected to a both a supply and return well on town property; this was the start of a district heating system.

Ropak Can-Am Ltd. Demonstration Project

Innovative use of geothermal energy from flood water in abandoned mines has created an efficient heating/cooling system for Ropak's expanded facility. The system has contributed to improved productivity and expansion of the product line. The Ropak facility is the first industrial site in Canada to confirm the viability of low-temperature geothermal energy from abandoned mines as an alternative energy source. Ropak was a regional winner of the Canadian Electrical Association Energy Efficient Industrial Award for 1990.

The company produces plastic packaging products. In 1989 a major expansion added 7900 square metres to the original 6000 square metre facility. At the same time the original facility was renovated and the climate control capability was upgraded to allow Ropak to compete for potential new markets in the food processing industry. Previously the firm did not produce plastic food containers, because of an inability to meet stringent air quality regulations. Ropak chose to switch to geothermal energy in lieu of upgrading the dehumidification, heating, ventilating, and air conditioning systems.

The Ropak demonstration project was a joint endeavour. The Nova Scotia Department of Mines and Energy (now the Nova Scotia Department of Natural Resources) provided technical assistance in siting and drilling two wells (the supply and return wells into the #2 and #3 main haulages). The Town of Springhill paid for the drilling and testing of the wells ($15K). Ropak paid the capital costs of the heat pumps and related equipment ($150K). The Ropak system is centred on use of eleven water-to-air heat pumps, control thermostats within the plant and offices, and monitoring equipment.

The Ropak system provides both heat and air conditioning. The minewater is pumped from 143 metre level of the mine at 3.9 L/s, and is 17.8 degrees C when it reaches the heat pumps. The water is returned via an injection well to another mine. The two mines are interconnected at various locations and depths within the old mine workings. The interconnection of old shafts, tunnels and haulways allows free circulation of water, and access to the deeper, warmer minewaters and more geothermal energy.

Assessing the results to date:

- the capital costs of the equipment to utilize the geothermal energy were higher than the capital costs would have been if "traditional" heating/cooling/dehumidifying/purifying equipment had been purchased.

- The geothermal system has reduced operating and maintenance costs, and has improved product quality.

- In March 1990 it was estimated that operational costs were 1/4 conventional energy source costs. Energy costs were down $15K although plant size had doubled and production had increased 9%. (Note: The overall energy savings are not just due to the switch to geothermal energy. Other design improvements such as better insulation and a more energy efficient design were adopted.)

- The system is environmentally clean; there is no need for purifiers, humidifiers etc.

Pizza Delight Demonstration Project

The second demonstration project was at the Pizza Delight restaurant. The site is above #6 and #7 mines which were worked to a depth of 1063 metres and abandoned in the 1930's. In March 1990 two wells (GTW #11 and GTW#12) were drilled into the abandoned mines. Pump tests delineated a resource for the Pizza Delight. The Town of Springhill and Energy Mines and Resources Canada paid for the drilling of the well; Pizza Delight paid $23K for the heat pump equipment. The geothermal system went on line in March 1990. As the restaurant was new, it is not possible to compare pre and post-geothermal energy costs; but the operating energy costs are 45 percent lower per square metre than for equivalent Pizza Delight restaurants (clearly there are a number of other variables that could be affecting this outcome). It was anticipated that operational costs for Pizza Delight would decrease with time as pumping brought warmer water to surface; however the pumping rates appear too low to result in significantly increased temperatures.

M.B.B. Mechanical Ltd.

A third company M.B.B. Mechanical Ltd. went onstream with geothermal energy in January 1991. The operation was a regional winner of the Canadian Electrical Association Energy Efficient Industrial Award for 1991. The firm doubled the size of its premises and added air conditioning. Through the switch from fossil fuels to geothermal, the operating energy costs were reduced 40 percent per square meter.

District Heating System

Work is underway to address the issue of a district heating system to serve businesses along the main street. There are a number of potential advantages. A district system could be more efficient; could accommodate (even require) higher pumping rates which could increase circulation and access deeper, higher temperature waters; and would provide better operator control over the geothermal resources (vs. a number of independently operated wells).

More information on the nature and capacity of the resource is needed before final design of the district heating loop can proceed. The intent is to add three additional firms to a modified district loop in the near future, and to consider the affects for a year during which time intensive testing will be undertaken. In the longer term, up to 30 facilities could tap into the loop.

Work is underway, the focus is on:

- confirming water temperatures and demonstrating the use of lower temperature minewater (15 degree C at source);
- confirming the volume of the resource and its operating capacity;
- delineating the requirements for development of a district heating loop;
- providing design information on the basis of water quality/chemistry, water quantity, and flow regimes;
- providing information on options for main street businesses (i.e. specific ways to exploit the geothermal resource);
- obtaining legal rights to the geothermal resource, and establishing a Town owned public utility.

The benefits of the proposed district heating scheme are:

- more commercial development and jobs;
- more local service development;
- lower energy costs and product costs, which will benefit producers and consumers;
- improved tax revenue for the Town;
- a Town owned public utility would provide an additional future revenue to the community.

Technical Factors

There are a number of factors that can affect the economic efficiency of using the geothermal resource. In broad terms they relate to the hydrological and geochemical nature of the geothermal resource; to the geometry of the mine workings (voids); and to the technology for tapping into and recovering the geothermal energy. It is critical to understand the reservoir

characteristics and ensure that the wells are developed and operated to enable sustainable energy production. Some of the issues relevant to the Springhill resource are listed below.

- The technology and the cost-effectiveness of drilling the recovery and return wells should be improved. It is not easy to hit the voids (vs. the pillars) but wells that do not hit an appropriate target add to the costs of the operation.

- The decisions on how to case and complete the wells should take into consideration the economic implications for the life of the operation. Casing may be more expensive but could improve the life expectancy of the well.

- There are two major options for recovering the geothermal resource: individual well systems for each application/operation; or a district system loop for a number of operations. The relative advantages of each option should be assessed against the demand for, and the properties of, the resource. If individual application wells are developed, care will be needed to protect the resource for each individual user.

- Water chemistry must be understood and action taken to prevent damage to equipment, wells, and reservoir rock. Good equipment choices and operating practices are critical.

- Key geochemical concerns include precipitation of iron, carbonates and silicates if the minewater is allowed to become oxidized by exposure at the surface; or when the pumps are run in the cooling mode and the temperature of the feed water is raised. Such precipitation can result in clogging of reinjection wells or heat exchangers.

- The water level should not be drawn down to below the top of the mine workings. Otherwise oxidation of the minewaters is possible and the result could be undesirable from the perspective of maintaining flow and protecting the equipment.

- A closed loop system should be used so that minewater does not come in direct contact with the exchanger coils of the heat pump.

- The minewater recovered should be kept under pressure and protected from exposure to the atmosphere to prevent iron precipitation (i.e. should be reinjected below the water table).

- The flow gradients must be well understood prior to establishing the location of the recovery and return wells. The water should be reinjected down gradient from the source wells; but in a way that will not result in short circuiting and cooling of the resource in the vicinity of the wells.

- Subsidence is a problem in the vicinity of some of the workings. Care is required in choosing the drilling sites; and to ensure that the minewater levels are maintained.

Conclusions from the Springhill Example

The Springhill experience demonstrates that geothermal resources offer opportunities for mining towns. The benefits include reduced energy costs; improved utilization of energy resources; and less environmental harm associated with the energy extraction and use.

The Springhill experience also demonstrates the importance of understanding the resource; making technically correct decisions; and effectively marketing the concept. The applications in Springhill were possible because local businesses as well as the municipality were interested in developing the resource.

The Springhill example is exceptional for a number of reasons: the magnitude and nature of the geothermal resource; the foresight of individuals in the community; the willingness of the Town Council to consider new approaches; and the co-operation of a range of government levels in developing the geothermal resource.

The story is not over in Springhill; there are a number of technical, economic, and ownership issues yet to be resolved. Work is still underway to clarify: the resource and how best to develop it; the long-term costs and implications; the potential markets; and the legal aspects of resource ownership/use. From the Springhill experience a framework can be developed, to guide other communities and industries in the assessment and use of geothermal resources.

1.5 STAGES/COMPONENTS IN ASSESSING AND DEVELOPING GEOTHERMAL SITES

The identification of sites that might have geothermal potential (as per the Quebec and Nova Scotia inventories) is just the first stage in the assessment and development of specific geothermal resources.

The factors that affect the development of geothermal resources from abandoned mines are the same as those that affect the development of Canadian mineral resources. In both cases development results in response to demand for the commodities; technological advances that enable discovery and development (exploitation) of the resource; and legislation and policies that clarify resource ownership and encourage development.

For better utilization of the geothermal energy from abandoned mines, a variety of actions are required; some are site-specific, others are more generic and require action/policies at the provincial or federal level. It has to be demonstrated that the energy can be effectively and economically recovered; markets for the energy must be found; and the ownership of the geothermal resource has to be clarified, and a regulatory/jurisdictional framework for the use of the resource established.

Factors to Consider in Assessing a Specific Site

The geothermal energy that can be extracted from a specific mine will vary with the characteristics of the site and the currently available technologies. In assessing the geothermal potential of a site, the technical and economic aspects of the geothermal recovery have to assessed against the market needs (and against the costs and benefits of other energy sources).

A range of information is required to assess geothermal potential. Some of the information will be available (documented), but eventually some on-site work will be required. The necessary information includes:

- Detailed information relevant to the volume and geometry of the mine workings (e.g. mine plans, mining methods used, operating records).

- Hydrology related information (e.g. local groundwater levels, water level in the mine, water flow gradients, water temperatures, hydraulic potential, water chemistry, and effects of the shallow groundwater flow on the thermal regime).

- Information relevant to geothermal energy recovery operations: sustainable yield of the mine reservoir; anticipated groundwater chemistry impacts on the heat pump equipment (e.g. scaling, corrosion); anticipated problems associated with temperature change or oxidation of the feedwaters.

- Technical details of the abandonment status of the mines, and particularly the surface communication features. This information (if it exists) is not readily available. For many mines the abandonment status will have to be determined through access to provincial information currently being compiled (e.g. Nova Scotia), and site visits.

- Information on the ownership of the surface and mineral rights. The mineral rights for many abandoned mines are still held, and this has implications for potential future use. Many abandoned mines are in fact inactive mines and could, with changes in technology or the economics of mineral commodities, become active mines again.

The factors to consider in determining whether to use the geothermal energy from a specific site for a specific application include:

- The size of the sustainable geothermal resource.

- The potential benefits/problems associated with the use of geothermal energy (with consideration to delineation of the resource, drilling of wells, and operation of the energy recovery equipment).

- The equipment and costs associated with recovery of the energy (i.e. the equipment to use, with due consideration to the specific application and to the water chemistry).
- The cost-efficiency of using the geothermal energy (relative to other energy sources).
- The environmental benefits/problems associated with use of the geothermal resource.
- The nature and cost of contingency plans in the case of operating problems including: alternative energy sources if the geothermal energy system shuts down; and plans for disposal of the minewater if the return well is temporarily shut down (Note: the plans should take into account minewater quality).

1.6 NEEDS AND RECOMMENDATIONS

Inventories similar to those developed and conducted in the course of this project can provide useful information and should be considered. It is equally important to undertake a number of other actions, and to develop a strategy for the assessment, documentation, and appropriate promotion of geothermal energy recovery from abandoned mines.

The actions required to foster the efficient, well-planned development of geothermal applications address three major needs: the need to clarify the ownership of the geothermal resource and establish legislation to protect the resource and ensure appropriate use; the need to develop a decision framework to guide interested individuals and organizations in the work required to delineate, assess, and develop a specific site; and the need to collate information to aid in identifying issues that need to be addressed, and to help market the use of geothermal energy from abandoned mines.

The following actions are recommended:

Notes: The recommendations are listed by topic, not by order of importance.

Many of the following recommendations are not targeted to specific individuals or organizations, and are more in the order of statements-of-action-required than genuine (fully developed) recommendations.

Recommendation 1
The outcome of the project inventories should be discussed with the relevant Quebec and Nova Scotia energy, environment, and mineral resources ministries (staff), and with the Springhill Geothermal Committee.

Recommendation 2
A review of existing federal and provincial legislation and administrative requirements, relevant to the use of the geothermal resources from abandoned mines, should be undertaken.

Recommendation 3
The federal and provincial governments should determine ownership/rights to the geothermal resource. The inter-relationship between mineral rights and geothermal rights at a specific site should be clarified: Which rights will have precedence?

Recommendation 4
Regulatory requirements (and operating practices) should be established, if the use of the geothermal energy resource is not appropriately covered under existing legislation. The requirements should include licensing and reporting mechanisms. The requirements should ensure that the geothermal resource is not harmed by individual energy recovery operations (e.g. it should be ensured that water is returned to the system, and that the water level is appropriately maintained in order to prevent damage to the formations, or subsidence).

Recommendation 5
An information package should be prepared to assist individuals/organizations interested in geothermal applications from abandoned mines. The package should contain a framework (decision tree) and check-list, documenting the action and information required in the identification, assessment and development of a specific site. The package should also indicate the primary information sources (e.g. government departments, academic institutions) on a province/territory specific basis.

Recommendation 6
Information should be compiled on existing technology for utilizing geothermal energy from abandoned mines.

Recommendation 7
The development of inventories similar to those produced for Nova Scotia and Quebec should be encouraged.

Recommendation 8
A computerized national data base of relevant information should be established and maintained, to assist in the identification of sites with geothermal potential.

Recommendation 9
For efficiency a central agency/responsibility centre should be tasked with collating information on abandoned mining properties. Geothermal applications are only one reason for collating information on abandoned mines; there are numerous other reasons. Information on abandoned mines is useful for addressing a range of topics including environmental, safety, slope stability, mineral resource, and mining technology issues.

Recommendation 10
The Canadian Abandoned Mine Agency, in the process of being established by CANMET (Energy Mines and Resources Canada), should be encouraged to develop inventories of abandoned mines, and to collate information relevant to geothermal potential.

Note: The Agency is proposed as a national repository for information on abandoned mines; and would conduct research on issues that are of direct interest to EMR (e.g. tailings stability, mine structural stability). The Agency would also encourage the use of the data by provincial ministries, and by other federal departments interested in other aspects of abandoned mining properties (e.g. environmental issues, geothermal energy).

Recommendation 11
A report should be prepared documenting the existing Canadian applications of geothermal energy from abandoned mines. Specifically: the stages in the assessment of the resources; the technologies used to recover the energy; and the overall costs and benefits associated with the assessment, development, and operation of the systems. The objective would be to demonstrate the potential and benefits, and to assist in marketing the concept. The report should include large resource applications (e.g. Springhill area resource), and smaller resource applications (e.g. the CANMET Val d'Or Mining Research Laboratory). While the objective is partially to serve as a marketing tool, the report should provide a rigorous technical and economic analysis of the existing applications.

Recommendation 12
The geothermal energy assessment and development work underway at Springhill, and the analysis and documentation of the results should be encouraged.

Recommendation 13
A report should be prepared to address the full range of environmental benefits and potential problems associated with abandoned mines/geothermal applications. The report should outline operational requirements to address the problems (e.g. contingency plans for surface disposal of minewater if the water quality is poor).

Recommendation 14
A strategy should be developed to address the range of issues associated with low-temperature geothermal applications from abandoned mines. The strategy should include identifying and addressing issues to resolve; collecting data; and developing a marketing strategy (including raising the Canadian consciousness regarding the opportunities and benefits associated with geothermal energy).

Recommendation 15
More demonstration projects are needed to document the benefits of abandoned mine/geothermal energy applications; and to contribute to the knowledge base and the evolution of the technology.

Recommendation 16
Geothermal applications at operating mines should also be encouraged. Operating mines offer an on-site potential market for the energy, and are often already pumping minewaters.

Recommendation 17
The primary areas where technology advances could benefit the cost-efficient recovery of the geothermal energy should be identified. The work of CANMET in advancing the technology for low-temperature geothermal energy recovery should be encouraged.

Recommendation 18
The federal government should establish a focal point (responsibility centre) for information and work related to low-temperature geothermal resources. Functions should include ensuring the development of a data base of relevant information on abandoned mines and geothermal applications; maintaining an inventory of individuals and organizations with relevant expertise; and undertaking and promoting development of strategies/approaches for the assessment and development of geothermal energy resources. Note: This proposed federal function should not infringe on the mandate of the provinces.

Recommendation 19
A federal-provincial working group on low-temperature geothermal applications should be formed to address the range of relevant issues.

Next Steps (Priorities)

The priority action items regarding geothermal energy are: building on the results of the Quebec and Nova Scotia inventories (Recommendation 1); establishing a legislative/regulatory base (Recommendations 3 and 4); collating data and developing a computerized data base (Recommendations 8, 9 and 10); documenting the existing knowledge (Recommendations 11 and 12); developing a strategy and a focal point for federal involvement (Recommendations 14 and 18); and establishing of a federal-provincial working group (Recommendation 19).

1.7 ACKNOWLEDGEMENTS

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PART 2

INVENTORY DATA

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PART 2
INVENTORY DATA

2.1 INSTRUCTIONS FOR THE READER

Readers' Instructions for Quebec Data Inventory Forms

- The intention is to include all major abandoned underground operations in this inventory. There are however hundreds of small, old, and poorly documented mines that are not included: these excluded mines are primarily in the eastern townships and in the belt between Montreal and Hull.

- The organization of the mines in the Quebec inventory is by N.T.S. map sheets; and within each map sheet, by the mineral occurrence number allocated by the Québec Ministère de l'Energie et des Ressources.

- Where information on specific parameters is not included in the forms, the information was not available from the sources used in compiling the inventory.

- The inventory provides only preliminary information; much additional information is available from mine plans and other sources.

Parameter Specific Notes:

* **Mine name**: The names occasionally changed with ownership changes, but correlation was usually possible by tracking the mineral occurrence number. Some previous names are provided in brackets.

* **Site #**: For Quebec sites, the designated mineral occurrence number is retained as the site number because of its usefulness. The Quebec government allocates a mineral occurrence number to a property the first time that it is registered. Thereafter the same number is retained facilitating the tracking of properties, and the collating of information. The number is based on the N.T.S. map area and an additional number which reflects the order in which properties are registered in each area.

* **Location**: For the Quebec inventory, the township, N.T.S. map sheet number, and U.T.M. are used to designate location.

* **Closest community**: The name of the closest community is provided (with the estimated distance in brackets). Often an additional adjacent community is noted, particularly if the site is relatively close to a more major community.

* **Minerals Mined**: The list of minerals mined includes several of the gangue minerals as well as the major commodity minerals.

* **Host Rock**: The host rock type is almost always available from the sources of information used; the formation name is not always available.

* **Maximum Depth**: This information is not always available from the sources used.

* **Ore Removed**: This information is frequently not available from the sources used.

* **Operating Period**: This information is usually available from the sources used. The range of dates indicates the period that the mine was in production (albeit perhaps intermittently). The final date indicates when the mine was abandoned, or became inactive. The mineral rights for many abandoned mines are still held and this has implications for potential future use.

* **Underground Workings**: The information provided here is relatively sparse; and reflects the fact that detailed mine plans need to be reviewed to accurately delineate even the major features of the underground workings.

* **Information Sources**: The numbers correspond with the numbered list of information sources (provided below).

* **Information Appended**: "Yes" indicates that auxiliary information is appended (see Appendix C). The information consists of copies of the *Fiches de gîtes* (source 6) for the site.

* **Geothermal Potential**: There are three options: yes, unlikely, and unknown. "Yes" is used for large abandoned mines, or mines close to communities. "Unlikely" is used for very small or remote mine sites. "Unknown" is used if little information about the site is available. The options are very subjective: geothermal potential is in fact dependent on the nature and the proposed use of a site, and needs to be assessed on a case-by-case basis.

Sources of Information for the Quebec Inventory

1. C. Lavergne, *Gîtes minéraux à tonnage évalué et production minérale du Québec*, Gouvernement du Québec, DV 85-08 (1985): 77 pages.

2. Y. Bellemare, M. Germain, *Catalogue des gîtes minéraux du Québec (1er mai 1987)*, Gouvernement du Québec, DV 87-23 (1987): 279 pages.

3. Energy, Mines and Resources Canada, *Canadian Mineral Deposits Not Being Mined in 1989*, Mineral Bulletin MR 223, Supply and Services Canada, Catalogue No: M38-2/223E (1990).

4. Québec Ministère de l'Energie et des Ressources, *Computerized data base on abandoned mines*, internal documentation. Continually being updated.

5. Québec Ministère de l'Energie et des Ressources, *Liste des sites de mines abandonnées et actives du nord-ouest*, internal document.

6. Québec Ministère de l'Energie et des Ressources, *Fiches de gîtes*, internal documents. Continually being updated.

7. B. Desjardins, *1987 Rapports des géologues résidents: sur l'activité minière régionale*, Gouvernement du Québec, (ISBN: 2-550-18455-6, 1988): 257 pages.

8. B. Desjardins, *1988 Rapports des géologues résidents: sur l'activité minière régionale*, DV 89-01, Gouvernement du Québec, (ISBN: 2-551-12111-6, 1989): 209 pages.

9. L. Blais-Leroux, *1989 Rapports des géologues résidents: sur l'activité minière régionale*, DV 90-01, Gouvernement du Québec, (ISBN: 2-551-12370-4, 1990): 209 pages.

10. L. Blais-Leroux, *1990 Rapports des géologues résidents: sur l'activité minière régionale*, DV 91-01, Gouvernement du Québec, (ISBN: 2-551-12626-6, 1991): 171 pages.

Readers' Instructions for Nova Scotia Data Inventory Forms

- All major abandoned underground operations are included in this inventory. There are however an undermined number of very small, old, and poorly documented mines; several such mines may not appear in the inventory.

- In most cases the inventory provides listings for individual mines. There are a number of old gold properties where information is not readily available on individual mines: a number of mines are lumped together as a "district".

- There are two separate packages of data inventory sheets and summary tables: one set for metallic and industrial mineral mines; and another set for coal mines.

- The organization of the metallic and industrial mineral mines in this document is by N.T.S.; and within each map sheet, by the mineral occurrence number allocated by the Nova Scotia Department of Natural Resources (Mines and Minerals Branch). An (I) has been added to sites that are uniquely industrial mineral mines.

- The organization of the coal mines is by township (alphabetically), then by N.T.S. map sheet within each township, and then by alphabetic (or numeric) listing of mines within each sheet.

- The information provided, on the inventory data forms, for industrial mineral mines is sparse because the information available on industrial minerals was not as comprehensive as that for metallic mines.

- The inventory data forms for coal mines have not been completely filled out. Information on depth and nature of the workings, while available in detail, would require investigation of sources (e.g. mine plans) outside the scope of this preliminary review. In any case, the coal operations by virtue of their size, depth, and location (frequently near if not under communities) are essentially all of potential geothermal interest.

- Where information on specific parameters is not included in the forms, the information was not available from the sources used in compiling the inventory.

- This inventory provides only preliminary information; much additional information is available from mine plans and other sources. This is particularly true for the coal mines.

Parameter Specific Notes:

* **Mine name**: Names of individual gold mines are not always readily available; sometimes only gold districts are provided. The names of coal mines appeared to change with some changes in ownership.

* **Site #**: The Nova Scotia mineral occurrence numbers are used as the site number for the metallic and industrial minerals. An (I) is added to the industrial mineral occurrence numbers. Coal mines are assigned a site number based on their Township, N.T.S. area, and name (the organization of the mines/data forms is discussed above).

* **Location**: The township (county), N.T.S. map sheet number, and latitude/longitude information are used to designate location. The latitude/longitude varied between the different sources of information; the latitude/longitude quoted are taken from the Open File Reports (sources 2-7).

* **Closest community**: The name of the closest community is provided (with the estimated distance in brackets). Often an additional community is also noted, particularly if the site is relatively close to a more major community.

* **Minerals Mined**: For Nova Scotia only the major commodity minerals are included. Occasionally (for older properties) when the minerals are not known the commodity element (e.g. magnesium) is provided.

* **Host Rock**: The host rock type and the formation name are almost always available from the sources of information used for metallic mines; the information is frequently not available from the sources used for industrial minerals and for coal mines.

* **Maximum Depth**: This information is not always available from the sources used, particularly for the coal and industrial mineral mines.

* **Ore Removed**: This information is available for the coal mines, but is not consistently available otherwise. Note: for smaller, metallic mineral mines (particularly gold mined from veins) the ore removed can be a small proportion of the total rock removed.

* **Operating Period**: This information is usually available from the sources used. The range of dates indicates the period that the mine was in production (albeit perhaps intermittently). For some of the older gold mines only approximate dates are available.

* **Underground Workings**: Details of the underground workings (as available) are provided for the abandoned metallic and industrial mineral mines; little information is provided for the coal mines. For more detail, individual mine plans would have to be reviewed. Such plans are available for several metallic mines, and for the coal mines.

Note: In some cases the Mineral Occurrence Cards provide information on dewatering requirements. This information is included in the inventory because it is relevant to geothermal potential. Dewatering information is not consistently provided.

* **Information Sources**: The numbers correspond with the numbered list of information sources (provided below).

* **Information Appended**: "Yes" indicates that information is appended (see Appendix D). The information consists of copies of the *Mineral Occurrence Cards* (source 1) for the site. Information is only appended for interesting metallic and industrial mines. The information on the coal mines is far too voluminous; coal-related information is available in the offices of the Nova Scotia Department of Natural Resources in Halifax and Stellarton.

* **Geothermal Potential**: There are three options: yes, unlikely, and unknown. "Yes" is used for large abandoned mines, or mines close to communities. "Unlikely" is used for very small or remote mine sites. "Unknown" is used if little information about the site is available. The options are very subjective: geothermal potential is in fact dependent on the nature and the proposed use of a site, and needs to be assessed on a case-by-case basis.

Sources of Information for the Nova Scotia Inventory

1. Nova Scotia Department of Natural Resources, *Mineral Occurrence Data Cards*, internal documents, kept in Halifax office. Continually being updated.

2. Nova Scotia Department of Mines and Energy, *Metallic Mineral Occurrences Map and Data Compilations*, Central Nova Scotia Map Sheets 11D and 11E, Open File Report 599 (1984).

3. Nova Scotia Department of Mines and Energy, *Metallic Mineral Occurrences Map and Data Compilations*, Eastern Nova Scotia Map Sheets 11F, 11G, 11J, 11K, and 11N, Open File Report 600 (1984).

4. Nova Scotia Department of Mines and Energy, *Metallic Mineral Occurrences Map and Data Compilations*, Western Nova Scotia Map Sheets 20O, 20P, 21A, 21B, and 21H, Open File Report 601 (1984).

5. Nova Scotia Department of Mines and Energy, *Industrial Mineral Occurrences Map and Data Compilations*, Central Nova Scotia Map Sheets 11D and 11E, Open File Report 606 (1985).

6. Nova Scotia Department of Mines and Energy, *Industrial Mineral Occurrences Map and Data Compilations*, Eastern Nova Scotia Map Sheets 11F, 11G, 11J, 11K, and 11N, Open File Report 607 (1985).

7. Nova Scotia Department of Mines and Energy, *Industrial Mineral Occurrences Map and Data Compilations*, Western Nova Scotia Map Sheets 20O, 20P, 21A, 21B, and 21H, Open File Report 608 (1985).

8. Nova Scotia Department of Mines and Energy, *Geology, Minerals, and Mining in Nova Scotia*, Information Series No.1, (1976).

9. Nolan Davis and Associates Ltd., *Potential for Groundwater Contamination Caused by Past and Present Mining, Milling, and Metallurgical Processing Activities in Nova Scotia*, Contract report prepared for Environment Canada, 1987: 24 pages and tables.

10. Energy, Mines and Resources Canada, *Canadian Mineral Deposits Not Being Mined in 1989*, Mineral Bulletin MR 223, Supply and Services Canada, Catalogue No: M38-2/223E (1990).

11. J.L. Bates, *Gold in Nova Scotia*, Information Series No. 13, Nova Scotia Department of Mines and Energy, (1987): 48 pages.

12. D.J. Gregory, *A History of Coal Mining in Nova Scotia*, Information Series No.2, Nova Scotia Department of Mines, Halifax (1978).

13. Nova Scotia Department of Mines and Energy, *Mineral Resource Land Use Maps*, Sheets 11E/06 draft, 11E/10 draft, 11F/15, 11F/16, 11J/04, 11K/01, 11K/08, and 21H/09 draft, (dates vary).

14. Nova Scotia Department of Mines and Energy, *Location of Mine Workings Maps*, (dates vary).

15. Nova Scotia Department of Mines and Energy, *Annual Report of Mines*, (1862 to 1990).

16. J. MacDonald, Geothermal Co-ordinator, Town of Springhill, personal communication, March 1992.

SUMMARY TABLES

Note: **The information in the summary tables is compiled from the inventory data forms. Absence of a data entry means that the information was not available from the sources used in compiling the inventory.**

QUEBEC SUMMARY TABLE 1

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
21E/05-11	Aldermac Moulton Hill	Ascot	Fleurimont, Sherbrooke	0, 6	1944 - 1953	263	317
21E/05-14	Suffield	Ascot	N. Hatley, Rock Forest	5, 4	1865 - 1956	182	850
21E/05-20	Howard	Ascot	N. Hatley, Rock Forest	5, 5	1886 - 1956		
21E/05-27	Hepburn	Ascot	Sherbrooke, Belvedere	7, 2	1895 - 1910	60	
21E/05-28	Eustis	Ascot	Rock Forest, Waterville	4, 6	1865 - 1939	2438	1610
21E/05-31	Capelton-Albert	Ascot	Waterville, Rock Forest	5, 5	1866 - 1907	762	300
21E/07-07	Clinton Copper	Clinton	Woburn	7	1974 - 1975	90 (?)	104
21E/11-04	Weedon	Weedon	Weedon Ctr, Fontainebleau	8, 2	1910 - 1973		1606
21E/13-32	Mont St. Adrien	Ham Nord	St. Adrien	3	1953 - 1970		200
21E/14-09	Continental	Coleraine	Coleraine	3	1887 - 1952		244
21E/14-12	Windsor	Coleraine	Coleraine	4	1921, 1952		52
21E/14-44	Cupra d'Estrie	Stratford	Stratford Centre	2	1965 - 1977	1440	2429
21E/14-47	Solbec Copper	Stratford	Stratford Centre	3	1962 - 1970	620	1914
21L/03-17	Frontenac	Broughton	East Broughton Station	0	1903 - 1958	1918 (?)	9094
21L/03-34	Penhale	Stratford	Vimy Ridge, Black Lake	2, 4	1955 - 1977	105	
21L/03-45	Greenshields	Coleraine	Black Lake	2	1895 - 1946	125	30
21L/03-49	Reed-Belanger	Coleraine	Black Lake	4	1894 - 1944	145	300
21L/03-50	Caribou	Coleraine	Black Lake	3	1894 - 1920		21

QUEBEC SUMMARY TABLE 2

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
21L/03-60	Union	Coleraine	Black Lake,Thetford Mines	3, 6	1886 - 1925		2277
21L/04-26	Halifax	Halifax	Frechette, Vianney (St. Jean-Baptiste)	2, 3	circa 1863		
21L/06-21	Harvey Hill	Leeds	St-Pierrre-de-Broughton	2	1858 - 1975		453
			Thetford Mines	19			
22A/13-06	Gaspe Copper	Holland	Murdochville	0	1955 - 1982		134063
22G/01-04	Candego	Boisbuisson	Marsoui	16	1948 - 1954		62
			Ste-Marthe-de-Gaspe	16			
22G/01-29	Madeleine	Boisbuisson	Marsoui	23	1969 - 1982	2100	8133
			Ste-Marthe-de-Gaspe	25			
31F/10-02	New Calumet	Grand Calumet	Bryson	6	1943 - 1968		3389
31G/05-10	Forsyth	Hull	Hull	8	1845 - 1976	249	67
31G/09-16	Main Oka St. Lawrence Columbium	Lac-des-deux-Mtn	Oka, Montreal	3, 32	1961 - 1976		6156
31G/11-12	Derry	Ascot	Glen-Almond	2	1961 - 1969	263	100
31G/11-16	Back	Dery	Glen Almond		1925 - 1971	45	402
31G/12-34	Blackburn-1	Templeton	Perkins	4	1880 - 1940		36
31G/13-35	High Rock	Portland Ouest	Notre-Dame-de-la-Salette	3	1879 - 1945		82
31G/13-36	Crown Hill	Portland	Notre-Dame-de-la-Salette	4	1882 - 1945		33
31G/13-44	North Star	Portland Est	Lac-aux-Rats-Musques	2	1879 - 1941		23

QUEBEC SUMMARY TABLE 3

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
31G/15-01	St. Remi	Amherst	Rockway Valley	3	1917 - 1958		598
31G/15-19	Kilmar (North Zone)	Grenville	Calumet, Grenville	12, 15	1915 - 1992		(1990) 4028
31H/01-36	Marcoux	Potton	Mansonville	5	1949 - 1952		6
31H/01-44	Baker	Potton	Highwater, Dunkin	2, 2	1934 - 1949		23
31H/02-17	Sweet	Sutton	Sutton	3	1862 - 1864		
31H/02-23	Washer	Brome	Mansville	1	circa 1875		
31H/02-29	Shepherd	Brome	Call Mill	2	1863 - 1915	23	
31H/02-30	Brome (Bedford Mining)	Brome	Brome	2	1864 - 1866	27	
31H/08-93	Huntingdon	Bolton	Bolton, Millington	7, 8	1865 - 1958	480	1209
31H/09-50	Sterret	Cleveland	Greenshields	2	1916 - 1945		109
31I/16-16	Montauban (North Zone)	Montauban	Montauban-les-Mines	0	1983 - 1986		331
31I/16-18	Tetrault	Montauban	Montauban-les-Mines	0	1913 - 1961		2494
31I/16-20	Montauban	Montauban	Montauban-les-Mines	1	1953 - 1954		102
31M/06-07	Wright	Duhamel	St-Bruno-de-Guigues Ville Marie	7 11	1870 - 1902	107	
31M/07-13	Belleterre	Guillet	Belleterre	4	1936 - 1959	778	2177
31M/07-27	Lorraine	Gaboury	Latuline	10	1964 - 1968	332	600
32C/03-31	Buffadison	Louvicourt	Louvicourt	4	1947 - 1967	299	2987
32C/03-32	Bevcon	Louvicourt	Louvicourt	3	1947 - 1965	686	3169

QUEBEC SUMMARY TABLE 4

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
32C/04-04	Norlartic	Vassan	Val-d'Or, Malartic	15, 10	1959 - 1989	425	1033
32C/04-05	Marban	Dubuisson	Dubuisson	10	1961 - 1974	259	1983
32C/04-08	Little Long Lac	Dubuisson	Dubuisson, Val d'Or	7, 12	1964 - 1966		25
32C/04-15	Siscoe	Dubuisson	Dubuisson, Val d'Or	5, 6	1929 - 1949	774	3300
32C/04-19	Sullivan	Dubuisson	Val d'Or, Jacola	5, 3	1934 - 1967	971	4613
32C/04-33	Perron	Pascalis	Val d'Or	14	1936 - 1951	686	1611
32C/04-34	Resenor (El Coco)	Pascalis	Val d'Or	18	1981 - 1982	152	
32C/04-35	Courvan (Beaufor)	Pascalis	Val d'Or	14	1939 - 1942		106
32C/04-36	Bussiere (Courvan)	Louvicourt	Val d'Or	20	1932 - 1942		281
32C/04-42	Malartic Gold Fields (No. 1 & 2)	Dubuisson	Malartic	9	1935 - 1965	860	8958
32C/04-49	Shawkey	Dubuisson	Val d'Or	7	1936 - 1938		126
32C/04-50	Ecole	Dubuisson	Dubuisson, Val d'Or	2, 5	1938 - 1942	163	2
32C/04-51	Goldex	Dubuisson	Val d'Or	4	1971 - 1980	457	6
32C/04-55	Jacola (Stabell)	Dubuisson	Val d'Or	2	1923 - 1939	313	65
32C/04-57	Lamaque	Bourlamaque	Val d'Or	0	1935 - 1985	1722	23698
32C/04-64	East Sullivan (Sullico)	Bourlamaque	Val d'Or	7	1949 - 1966	1219	14952
32C/04-76	Manitou-Barvue	Bourlamaque	Val d'Or	13	1942 - 1971	999	11264
32C/04-80	Duraine (Puits)	Louvicourt	Val d'Or	18	1956 - 1958	346	254

QUEBEC SUMMARY TABLE 5

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
32C/05-81	Louvicourt Gold Fields	Louvicourt	Val d'Or	21	1947 - 1949	297	239
32C/04-82	D'Or Val (Beacon 1 & 2)	Louvicourt	Val d'Or	17	1981 - 1988	137	159000
32C/04-85	Louvem (Old shaft)	Louvicourt	Val d'Or	21	1970 - 1981		1814
32C/04-89	Mid-Canada (& Orenada No.4)	Bourlamaque	Val d'Or	8	1981	53	72
32C/04-93	Akasaba	Louvicourt	Val d'Or	18	1960 - 1963	98	262
32C/05-21	Quebec Lithium	Lacorne	Barraute	17	1956 - 1965	146	934
32C/05-47	Molybdenite Corporation	Lacorne	St. Benoit Lacorne, Vassan	8, 8	1929 - 1972	330	3829
32C/12-37	Barvue (Abcourt)	Barraute	Barraute	8	1952 - 1957	150	5081
32D/01-05	Thompson-Cadillac	Cadillac	Cadillac	2	1936 - 1939	341	159
32D/01-06	Darius (O'Brien) (Novamin)	Cadillac	Cadillac	2	1926 - 1980	1051	1149
32D/01-08	Central Cadillac (Wood Cadillac)	Cadillac	Cadillac	3	1939 - 1949	305	582
32D/01-11	Pandora (No.3) (No.4) (No.2)	Cadillac	Cadillac	5	1939 - 1942	260	178
32D/01-17	Lapa-Cadillac (Zulapa)	Cadillac	Cadillac	9	1938 - 1943	215	366
32D/01-34	Pan Canadian No.1 (West Malatric)	Cadillac	Malartic	8	1942 - 1946	375	280
32D/01-40	Canadian Malartic (Goldie, Gilbert, Wolfe)	Fourniere	Malartic	0	1935 - 1965	530	9939
32D/01-41	Barnat	Fourniere	Malartic	0	1938 - 1977	707	8454
32D/01-42	East Malartic	Fourniere	Malartic	1	1938 - 1983	550	17948

QUEBEC SUMMARY TABLE 6

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
32D/02-09	McWatters	Rouyn	Rouyn	5	1934 - 1944	457	334
32D/02-11	New Rouyn-Merger-1	Rouyn	Rouyn	4	1948 - 1949	299	119
32D/02-20	Heva	Joannes	Rouyn	4	1951 - 1952	697	36
32D/02-22	Hosco	Joannes	Rouyn	8	1948 - 1949	124	46
32D/03-14	Francoeur	Beauchastel	Rouyn, Arntfield	18, 0	1938 - 1947	377 (?)	518
32D/03-19	Arntfield (Shafts 1, 2, and 3)	Beauchastel	Rouyn, Arntfield	20, 1	1935 - 1942	328	480
32D/03-22	Aldermac (West Wasa)	Beauchastel	Arntfield, Rouyn	3, 15	1932 - 1943	495	1879
32D/03-24	Wasamac 1	Beauchastel	Rouyn	13	1965 - 1971	384	1899
32D/03-42	Senator Rouyn	Rouyn	Rouyn	1	1940 - 1955	845	1633
32D/04-46	Chadbourne	Rouyn	Noranda	1	1979 - 1986	47 (?)	147
32D/03-48	Stadacona - Est	Rouyn	Rouyn	1	1936 - 1958	1253	2742
32D/03-74	Granada	Rouyn	Granada, Rouyn	2, 6	1930 - 1935		165
32D/03-90	Beaudry (Odyno) (Norzone)	Montbeillard	Beaudry, Rouyn	3, 17	1952 - 1979		283
32D/06-16	Duquesne	Destor	Reneault	1	1949 - 1952	381	82
32D/06-37	Pierre Beauchemin	Duprat	Rouyn, Duprat	16, 12	1956 - 1962	325	651
32D/06-43	Waite	Duprat	Rouyn, Duprat	12, 4	1928 - 1949	390	1129
32D/06-46	Waite-Amulet-F	Dufresnoy	Rouyn, Duprat	9, 3	1930 - 1951		254
32D/06-47	East Waite	Dufresnoy	Rouyn, Duprat	11, 3	1951 - 1961		1361

QUEBEC SUMMARY TABLE 7

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
32D/06-48	Vauze	Dufresnoy	Rouyn	13	1961 - 1965	236	350
32D/06-50	Norbec	Dufresnoy	Rouyn	11	1964 - 1979		3664
32D/06-79	Quesabe (Sunburst)	Duprat	Rouyn	15	1949 - 1952	320	89
32D/06-86	Peel-Elder	Beauchastel	Rouyn	9	1946 - 1965	793	1110
32D/06-93	Corbet	Dufresnoy	Rouyn	7	1979 - (?)		1383
32D/06-96	Waite-Amulet (C, A, Bluff)	Dufresnoy	Rouyn	8	1930- 1962		5351
32D/06-99	New Marlon	Rouyn	Rouyn	3	1947 - 1949	230	98
32D/06-102	Don Rouyn	Rouyn	Rouyn	2	1956 - 1980	33 (?)	5179
32D/06-103	Powell-Rouyn-1	Rouyn	Rouyn	2	1937 - 1955	978	2715
32D/06-104	Millenback	Dufresnoy	Boisvert, Rouyn	1, 6	1971 - 1981	1213	3423
32D/06-105	Anglo-Rouyn	Rouyn	Rouyn	3	1948 - 1951	282	132
32D/06-110	Joliet Quebec	Rouyn	Rouyn	1	1949 - 1974	305	2080
32D/06-111	Horne (Remnor)	Rouyn	Rouyn	0	1927 - 1976	2440	53706
32D/06-112	Quemont	Rouyn	Rouyn	1	1949 - 1971	1259	13920
32D/07-03	Yvan Vezina (Destor) (Thurbois)	Destor	Rouyn, Destor	25, 2	1983 - 1988	183	1095
32D/07-23	Gallen (West McDonald)	Dufresnoy	Clericy	7	1955 - 1985	290	1683
32D/07-43	Donalda	Rouyn	Rouyn	2	1948 - 1971	780	710

QUEBEC SUMMARY TABLE 8

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
32D/07-45	Delbridge No.2	Rouyn	Rouyn (Noranda Smelter)	4	1969 - 1971		360
32D/07-47	Eldona No.1	Rouyn	Rouyn (Noranda Smelter)	3, 6, 4	1951 - 1952	455	78
32D/07-67	Mic-Mac (Mouska)	Bousquet	Joannes, Cadillac	12, 14	1942 - 1947	411	723
32D/07-68	Mooshla-A	Bousquet	Cadillac, Jaonnes	13, 12	1939 - 1940	113	4
32D/08-31	Preissac Molybenite	Preissac	Cadillac, Preissac	13, 8	1943 - 1971	410	2236
32D/08-34	Anglo American	Preissac	Cadillac, Preissac	10, 10	1965 - 1970	235	1761
32D/08-39	Marbridge	La Motte	Malartic		1962 - 1968	430	703
32D/10-12	Lyndhurst	Destor	Duparquet, Poularies	22, 10	1956 - 1957	216	142
32D/11-19	Beattie and Dorchester	Duparquet	Duparquet	1	1933 - 1956	620	9645
32D/11-24	Hunter	Duparquet	Duparquet	8	1957	244	117
32D/14-05	Normetal (Normetmar)	Des Maloizes	Normetal	0	1937 - 1975	987	10109
32D/14-17	Duvan (Propiete des Meloizes)	Des Meloizes	La Reine, Dupuy	6, 8	1960	305	
32E/08-04	Poirier	Poirier	Joutel	6	1965 - 1975	869	4837
32E/08-06	Joutel Copper	Joutel	Joutel	3	1967 - 1975	328	1658
32E/10-16	Estrades (Golden Hope)	Estrades	Joutel		1990 - 1991	160	(1990) 71
32F/07-15	Lac Rose	Currie	Franquet	19	1938 - 1939		5
			Lebel-sur-Quevillon	37			
32F/08-14	Coniagas	La Sueur	Desmaraisville	3	1961 - 1967	417	652
32F/08-16	Lac Bachelor (Sturgeon)	La Sueur	Desmaraisville	2	1982 - 1988	563	807

QUEBEC SUMMARY TABLE 9

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
32F/12-08	Matagami Lake	Galinee	Matagami	8	1963 - 1988		25646
32F/12-9	Orchan	Galinee	Matagami	8	1963 - 1982	505	4514
32F/13-22	New Hosco	Daniel	Matagami	15	1963 - 1970	323	1827
32F/13-27	Norita Centre	Isle-Dieu	Matagami	3	1976 - 1991	512	3632
32F/13-32	Garon Lake	Isle-Dieu	Matagami	5	1972 - 1975	38	467
32F/13-33	Radiore 2 (or B)	Isle-Dieu	Matagami	4	1979 - 1980		140
32G/12-15	Short Lake	Grand	Demaraisville	24	1984 - 1991		2114
32G/15-61	Springer	Levy	Chapais	0	1954 - 1991		(1984) 11209
32G/15-62	Perry	Levy	Chapais	0	1966 - 1983		(1983) 8556
32G/15-65	Robitaille	Levy	Chapais	2	1969 - 1973	413 (?)	188
32G/15-66	Cooke	Levy	Chapais	3	1976 - 1989		(1983) 1084
32G/16-04	Lac Gwillim	McKenzie	Chibougamau	7	1974 - 1984		250
32G/16-14	Norbeau	McKenzie	Chibougamau	6	1965 - 1969		380
32G/16-25	Grandroy	Roy	Chibougamau	11	1967 - 1975		349
32G/16-44	Kokko Creek	McKenzie	Chibougamau	3	1960 - 1975	259	751
32G/16-46	Quebec Chibougamo Goldfields	McKenzie	Chibougamau	3	1963 - 1975	258	212
32G/16-50	Cedar Bay	McKenzie	Chibougamau	4	1958 - 1990		(1984) 4211
32G/16-51	Copper Cliff	McKenzie	Chibougamau	4	1970 - 1974	533	778
32G/16-55	Jaculet	McKenzie	Chibougamau	4	1960 - 1977	537	1091

QUEBEC SUMMARY TABLE 10

Site #	Name	Township	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
32G/16-58	Bruneau	McKenzie	Chibougamau	8	1966 - 1967	233	63
32G/16-62	Henderson II	Roy	Chibougamau	9	1960 - 1988	757	8316
32G/16-81	Obalski	Obalski	Chibougamau	6	1964 - 1985	84	98
32G/16-84	Chib-Kayrand	Obalski	Chibougamau	5	1965 - 1972		14
32G/16-85	Principale (Campbell)	Obalski	Chibougamau	5	1955 - 1981		4585
32G/16-86	Merrill Island	Obalski	Chibougamau	6	1958 - 1981		2506
32G/16-90	Zone S-3	Lemoine	Chibougamau	8	1987 - 1990		421
32G/16-97	Lemoine	Lemoine	Chibougamau	25	1975 - 1990		757

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 1

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
11D/10-01	Clam Harbour	Halifax	Clam Bay	1	1901-1904		<1
11D/11-01	Cow Bay Gold District	Halifax	Cow Bay	2	1896-1905	46	1
11D/11-02	Lawrencetown Gold District	Halifax	Mineville	1	1866-1912		1
11D/11-03	Chezzetcook	Halifax	Head of Chezzetcook	1	1889-1914	5	<1
11D/11-04	Lake Catcha Gold District	Halifax	West Petpeswick	2	1887-1942		23
11D/12-01	Montague Gold District	Halifax	Montague Gold Mines	0	1865-1939	152	122
11D/12-09	Giezer Hill	Halifax	Fairview	1	1931-1932		3
11D/13-01	Wellington	Halifax	Fletcher	1	1924-1925	30	<1
11D/13-02	Waverley Gold District	Halifax	Waverley	0	1862-1938	152	152
11D/13-03	South Uniacke Gold District	Halifax and Hants	South Uniacke	0	1888-1948	123	11
11D/13-04	Mount Uniacke Gold District	Hants	Lewis Mills	3	1865-1941	102	54
11D/13-05	Ardoise	Hants	Hillsvale	1	1890-1904		<1
11D/13-18	South Uniacke	Halifax	South Uniacke	4	1858		<1
11D/13-20	Lower Sackville	Halifax	Lower Sackville	0	1935-1942	46	
11D/13-21	Waverley	Halifax	Waverley	1	1911-1939	23	<1
11D/14-03	Oldham Gold District	Halifax	Oldham	1	1862-1943	488	107
11D/14-04	Elmsdale	Halifax	Lantz	1	circa 1890	20	<1
11D/14-06(I)	Dunbrack Mine	Halifax	Musquodoboit Harbour	4	1899		

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 2

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
11D/14-09	Musquodoboit Harbour	Halifax	Musquodoboit Harbour	3	1909-1920	43	
11D/14-14	Goff	Halifax	Goffs	3	1931-1949	15	<1
11D/15-01	Tangier	Halifax	Tangier	1	1862-1937	183	46
11D/15-02	Lake Charlotte Gold District	Halifax	Lake Charlotte	2	1936-1964	30	<1
11D/15-03	Moose River Gold District	Halifax	Moose River	1	1870-1939	44	139
11D/15-04	Mooseland Gold District	Halifax	Mooseland	1	1863-1914	12	8
11D/15-05	Scraggy Lake Gold District	Halifax	Ship Harbour	12	1890-1899	21	
11D/15-06	Sheet Harbour Gold District	Halifax	Sheet Harbour	0	1898-1935	20	<1
11D/15-12	Moose River	Halifax	Moose River	3	1908-1943	122	<1
11D/16-01	Salmon River Gold District	Halifax	Barkhouse Settlement	3	1881-1942	79	107
11D/16-02	Moosehead	Halifax	Moosehead	1	1899-1915	61	3
11D/16-03	Harrigan Cove Gold District	Halifax	Harrigan Cove	1	1872-1916	15	12
11D/16-04	Ecum Secum Gold District	Halifax	Ecum Secum	1	1881-1907	52	3
11E/01-01	Goldenville Gold District	Guysborough	Goldenville	0	1862-1942	183	540
11E/01-02	Liscomb Mills	Guysborough	Liscomb Mills	1	circa 1896		
11E/01-03	Miller Lake Gold District	Guysborough	Liscomb Mills	4	1904-1951	32	1
11E/01-04	Lochaber Gold District	Halifax	Lochaber Mines	6	1887-1889		<1
11E/01-07	Cochrane Hill Gold District	Guysborough	Crows Nest	1	1869-1935	69	11

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 3

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
11E/02-01	Beaver Dam Gold District	Halifax	Beaver Lake	6	1889-1931	30	3
11E/02-02	Killag Gold District	Halifax	Marinette	6	1889-1951	38	3
11E/02-04	Caribou Gold District	Halifax	Caribou Gold Mines	1	1867-1947	305	168
11E/02-10	Fifteen Mile Stream Gold District	Halifax	Lochaber Mines	14	1867-1941	61	45
11E/02-11	Newton Mills	Colchester	Newton Mills	1	1880's-1890's		<1
11E/03-04(I)	Middle Stewiacke	Colchester	Middle Stewiacke	5	circa 1899	12	
11E/03-06	Gays River Gold District	Cochester	Coldstream	1	1869-1880		14
11E/03-07	South Branch Stewiacke	Colchester	South Branch	4	1884		<1
11E/03-09	Gays River	Halifax	Gays River	1	1975-1981	91	12
11E/04-01	West Gore Antimony Mine	Hants	West Gore	1	1884-1917	259	31
11E/04-05	East Rawdon	Hants	Rawdon Gold Mines	1	1884-1931	152	13
11E/04-06	Central Rawdon	Hants	Rawdon	1	1888-1939	123	5
11E/04-07	Upper Newport Gold District	Hants	Upper Newport	1			<1
11E/04-09	Renfrew Gold District	Hants	Renfrew	1	1862-1958	152	60
11E/04-15	Whale Creek Mine	Hants	Walton	1	circa 1890		<1
11E/05-07	Londonderry Iron District	Colchester	Londonderry	1	1849-1908	48	1814
11E/05-12	Densmore Mills	Hants	Densmore Mills	1	1880-1890	18	<1
11E/05-13	Reynolds Mine	Hants	Minasville	1	1891	15	<1

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 4

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
11E/05-14	MacDonald Mine	Hants	Minasville	1	1887-1901		
11E/05-17	Faulkner Property	Hants	Tennycape	2	1887-1907	11	3
11E/05-19	Tennycape Mines	Hants	Tennycape	2	1862-1918	50	4
11E/05-21	Wheaton Property	Hants	Clement Cove	1	prior 1900		<1
11E/05-22	Lower Economy	Colchester	Lower Economy	1	circa 1891		
11E/05-24	Noel River	Hants	Densmore Mills	1		9	<1
11E/06-04	Brookfield	Colchester	Upper Brookfield	1	1889	36	40
11E/06-05	Clifton Mine	Colchester	Clifton	1	1873-1903	21	<1
11E/06-07	Totten Brook	Colchester	East Folly Mountain	1	circa 1880		<1
11E/06-08	Upper Kemptown	Colchetser	Upper Kemptown	1	1890-1907	27	
11E/06-13	Smithfield	Colchester	Smithfield	1	1876-1952	72	<1
11E/06-16	East Mountain	Colchester	Manganese Mines	1	1897-1941		<1
11E/06-17	Manganese Mines	Colchester	Manganese Mines	1	1880-1905	21	2
11E/06-22	North River	Colchester	Central North River	1	circa 1881		<1
11E/06-23	Maitland	Hants	Maitland	0	1887		<1
11E/07-02	Lansdowne	Pictou	Gairlock	1	circa 1899	35	
11E/07-05	Bridgeville Iron District	Pictou	Bridgeville	1	1828-1904		170
11E/07-06	Sunnybrae	Pictou	Black Rock	1	1880's		3

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 5

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
11E/07-18	Pembroke	Colchester	Glenbervie	2	1877-1931	41	
11E/08-02	College Grant	Antigonish	South Lochaber	3	1876	55	<1
11E/08-08	Little Liscomb Lake	Guysborough	Cameron Settlement	3	1893-1895	4	<1
11E/09-01	Ohio	Antigonish	St. Joseph	1	1866-1886	12	
11E/09-03	Brierly Brook	Antigonish	Brierly Brook	1	1866-1886		
11E/09-10	Greenvale	Pictou	Greenvale	1	1908		
11E/09-13	Telford	Pictou	Telford	1			
11E/10-01(I)	Hodson	Pictou	Hodson	1	1870-1900	15	<1
11E/10-03	Six Mile Brook	Pictou	Six Mile Brook	3		12	
11E/10-05	Durham	Pictou	Durham	1	prior to 1882		
11E/11-02	Oliver (French River)	Colchester	Oliver	1	1866-1900		19
11E/11-06	Matheson Prospect	Colchester	Waugh River	1			
11E/11-07	Mine Hole Brook	Colchester	Balfron	1			
11E/11-08	Black River	Colchester	Balfron	2	1907-1908		
11E/11-09	Balfron	Colchester	Balfron	1			
11E/12-01	Williamsdale-Farmington	Cumberland	Williamsdale	1	1909-1931	38	
11E/12-05	Riverside Mine	Cumberland	Oxford	1	circa 1899	12	
11E/12-06	Palmer Mine	Cumberland	West Wentworth	2	1898-1900		

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 6

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
11E/12-07	Feeley Mine	Cumberland	Lower Wentworth	1	circa 1902		
11E/12-08	Fleming Brook Mine	Cumberland	Lower Wentworth	1			
11E/13-01	Chisolm Brook	Cumberland	Pugwash River	1	1898-1939	18	
11E/13-03	Canfield Creek	Cumberland	Pugwash Junction	1	circa 1902	8	
11E/13-05	King Mine	Cumberland	Oxford	1	circa 1899	14	
11E/13-07	Fountain Road (Wallace River)	Cumberland	Fountain Road	1			
11E/13-10	Canfield Creek	Cumberland	Pugwash Junction	1	1877-1902	7	
11E/14-04(I)	Malagash	Cumberland	Malagash	2	1919-1959	26	2306
11E/16-03	Arisaig Iron District	Antigonish	Arisaig	1	circa 1893		
11F/04-02	Wine Harbour	Guysborough	Sonora	7	1862-1939		76
11F/04-03	Country Harbour	Guysborough	Country Harbour Mines	1	1868-1951	44	26
11F/04-04	Isaac's Harbour	Guysborough	Goldboro	2	1861-1941	79	49
11F/04-05	Lower Seal Harbour						
11F/04-06	Upper Seal Harbour Gold District	Guysborough	Goldboro	2	1892-1927	232	400
11F/05-01	North Ogden	Guysborough	West Roachdale	1			
11F/05-03	Copper Lake	Antigonish	Copper Lake	1	1876-1910	41	
11F/05-04	Croft	Antigonish	Upper Springfield	1			
11F/05-05	Erinville (Salmon River)	Guysborough	West Erinville	1	1866	12	

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 7

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
11F/05-07	Erinville	Guysborough	West Erinville	1			
11F/05-08	Sangster Lake	Guysborough	Lundy	3	1934		
11F/05-12	Forest Hill	Guysborough	Forest Hill	1	1895-1956	23	51
11F/05-16	Polsons Brook	Antigonish	Polsons Brook	1	1926	21	
11F/05-17	Erinville	Guysborough	East Erinville	1	1870-1901	15	4
11F/06-04	South Manchester	Guysborough	South Manchester	1	1895-1913	23	
11F/09-01	Stirling	Richmond	Stirling	1	1906-1956	357	783
11F/14-08	Upper Glencoe	Inverness	Whycocomagh	2	1913	18	
11F/14-37(I)	Fraser's Mill	Inverness	Churchview	1	circa 1896		
11F/15-06	Eskasoni	Cape Breton	Eskasoni	2	circa 1906		<1
11F/15-09	McCuish Mines	Cape Breton	Enon	1	1880-1916		<1
11F/15-10(I)	Christmas Island	Cape Breton	Benacadie	1	circa 1900	23	
11F/16-11(I)	Landing Cove	Cape Breton					
11F/16-15	Grand Mira South	Cape Breton	Grand Mira South	1	1917		
11F/16-25	Silver Mine (Yava)	Cape Breton	Silver Mine	1	circa 1911	12	212
11K/01-01	Coxheath	Cape Breton	Beechmont	2	1875-1928	603	3
11K/01-07	MacDonald and Watson Shafts	Cape Breton	Scotch Lake	1	circa 1933		
11K/01-10	Currie Mine	Cape Breton	McAdams Lake	1	1874-1900		

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 8

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
11K/01-12	Ingraham Mine	Cape Breton	Ironville	1	1900-1938	17	<1
11K/01-13	MacPherson Mine	Cape Breton	Barachois Harbour	2	circa 1913	10	
11K/01-16	Rear Boisdale	Cape Breton	McAdams Lake	1	1909	21	
11K/02-03	Maskells Harbour	Victoria	Maskells Harbour	1	1865-1878	5	
11K/02-08	Middle River (Wagamatcook)	Victoria	Finlayson	4	1907-1916	23	7
11K/03-01(I)	East Lake Ainslie	Inverness	Trout River	1	1916-1938		7
11K/03-02(I)	Scotsville	Inverness	Scotsville	1	1905-1915	33	4
11K/03-05(I)	Trout River	Inverness	Trout River	1	1941-1942	24	1
11K/03-06(I)	MacMillan Mines	Inverness	East Lake Ainslie	1	1903-1908	38	<1
11K/10-03(I)	Cape Rouge	Inverness	Petit Etang	6	1899-1901		<1
11N/02-02	Meat Cove	Inverness	Meat Cove	3	1953-1956	171	
20O/16-02	Cranberry Head	Yarmouth	Sandford	4	1869-1920	67	<1
20P/12-01	Pubnico	Yarmouth	Pubnico	0	1885		
21A/02-03	Fifteen Mile Brook	Queens	Pleasantfield	1	1901-1914	67	3
21A/02-04	Mill Village	Queens	Charleston	3	1899-1946	58	2
21A/02-06	Voglers Cove	Lunenburg	Voglers Cove	2	1895-1905	38	<1
21A/04-01	Carleton District	Yarmouth	Carleton	1		58	<1
21A/04-02	Hilton Gold Prospect	Yarmouth	Carleton	3		18	

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 9

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
21A/04-03	Kemptville	Yarmouth	Kemptville	2	1885-1938	84	3
21A/04-04	Snare Lake (N. Carleton)	Yarmouth	Kemptville	4	1923-1928	20	
21A/06-01	Whiteburn	Queens	Caledonia	6	1885-1941	61	10
21A/06-02	West Caledonia	Queens	West Caledonia	2	1890-1936	12	
21A/07-01	Leipslgate Gold District	Lunenburg	Conquerall	5	1883-1908	182	34
21A/07-03	Molega Gold District	Queens	Molega	1	1888-1950	99	<1
21A/07-04	Brookfield Gold District	Queens	North Brookfield	4	1886-1928	38	97
21A/07-05	Pleasant River Gold District	Lunenburg	Colpton	5	1889-1913	38	463
21A/07-08	Westfield	Queens	Westfield	1	1888-1895	21	
21A/08-01	Ovens Gold District	Lunenburg	Cunard Cove	1	1862-1936	18	<1
21A/08-06	Blockhouse Gold District	Lunenburg	Blockhouse	2		91	6
21A/08-13	Indian Path	Lunenburg	Indian Path	1		305	
21A/09-03	Gold River Gold District	Lunenburg	Chester Basin	2			3
21A/10-02	Stanburn	Lunenburg	North River	3		9	<1
21A/14-03	Nictaux-Torbrook	Annapolis	Torbrook	1	1825-1913	107	144
21A/15-01	Nictaux-Torbrook Iron District	Annapolis	Nictaux Falls	1	1825-1913	152	181
21A/15-03	Nicholsville (Aylesford)	Kings	Nicholsville	3	1885-1918	122	
21A/16-06	Dean and Chapter Lake	Lunenburg	Leminster	1	1912-1958	70	<1

NOVA SCOTIA METALLIC AND INDUSTRIAL MINERALS SUMMARY TABLE 10

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
21A/16-07	Cain Mine (Lower Mine)	Lunenburg	Aldersville	5	1881-1960	61	
21A/16-08	Riddle Mine (New Ross)	Lunenburg	Pennall Indian Reserve	5	1916-1920	30	<1
21A/16-10	Walker Prospect	Lunenburg	New Russel	1	1917-1950	152	
21A/16-12	Turner Tin	Lunenburg	Mill Road	1	1907-1911	40	
21H/01-01	Tomlinson Mine-Pembroke	Hants	Pembroke	5	1902-1903	9	
21H/01-02	Goshen Mine	Hants	Goshen	0	1885-1893	161	
21H/01-08	Walton-Magnet Cove Mine	Hants	Pembroke	4	1940-1970	523	3900
21H/01-13	Stephens Mines	Hants	Walton	1	1870-1907		<1
21H/01-16	Feuchtwanger Property	Hants	Pembroke	3	1885-1918	12	<1
21H/01-17	Sturgis Mine (Walton)	Hants	Pembroke	3	1877-1918	18	<1
21H/01-21	Sugarwoods (Cheverie)	Hants	Kempt Shore	3	1932		<1
21H/01-25	Bishop Brook	Kings	Highbury	1	1800-1942	6	<1
21H/01-26	Cheverie Mine	Hants	White Head	1	circa 1880	8	<1
21H/07-02	Cap d'Or	Cumberland	East Advocate	2	1901-1907	254	57
21H/08-04(I)	Bass River of Five Islands	Colchester	Five Islands	3	1866-1876		3
21H/09-01	Maccan	Cumberland	Maccan	1	1897	24	
21H/16-01	Brookdale	Cumberland	Brookdale	1	circa 1957	18	<1

NOVA SCOTIA COAL SUMMARY TABLE 1

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C1	Blockhouse	Cape Breton	Port Morien	1	1868-1888		1060
NS-C2	Bridgeport	Cape Breton	Bridgeport		1884-1892		79
NS-C3	Broughton	Cape Breton	Broughton		1914-1915		51
NS-C4	Caledonia	Cape Breton	Glace Bay		1864-1892		1391
NS-C5	Clyde/Ontario	Cape Breton	Port Caledonia	1	1863-1892		216
NS-C6	Crystal	Cape Breton	Broughton		1956-1962		15
NS-C7	Dominion Colliery	Cape Breton	Glace Bay		1893-1922		78,332
NS-C8	Dominion/Devco No. 20	Cape Breton	Glace Bay	0	1939-1971		15,898
NS-C9	Dominion/Devco No. 26	Cape Breton	Bridgeport	0	1944-1985		24,634
NS-C10	Dominion No.1B	Cape Breton	Bridgeport	0	1924-1955		15,844
NS-C11	Dominion No.2	Cape Breton	Glace Bay	0	1911-1949		18,331
NS-C12	Dominion No.3	Cape Breton	Glace Bay	0	1910-1924		626
NS-C13	Dominion No.4	Cape Breton	Glace Bay	0	1910-1961		18,066
NS-C14	Dominion No.6	Cape Breton	Donkin	0	1910-1930		2869
NS-C15	Dominion No.7	Cape Breton	Glace Bay	0	1910-1925		1,171
NS-C16	Dominion No.8	Cape Breton	Bridgeport	0	1910-1914		546
NS-C17	Dominion No.9	Cape Breton	Glace Bay	0	1910-1925		3,013
NS-C18	Dominion No.11	Cape Breton	Glace Bay	1	1913-1949		6,568

NOVA SCOTIA COAL SUMMARY TABLE 2

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C19	Dominion No.21	Cape Breton	Birch Grove	0	1911-1925		1,166
NS-C20	Dominion No.22	Cape Breton	Birch Grove	1	1912-1930		2,124
NS-C21	Dominion No.24	Cape Breton	Glace Bay	0	1920-1953		5,252
NS-C22	Emery	Cape Breton	Reserve		1872-1878		28
NS-C23	Four Star	Cape Breton	Broughton	1	1950-1969		1,400
NS-C24	Glace Bay	Cape Breton	Glace Bay		1863-1892		1,265
NS-C25	Gowrie	Cape Breton	Port Morien	1	1863-1892		1,751
NS-C26	Gowrie and Blockhouse	Cape Breton	Port Morien		1901-1907		183
NS-C27	Hiawatha	Cape Breton	False Bay	1	1920-1921		5
NS-C28	International	Cape Breton	Bridgeport		1863-1892		1,594
NS-C29	Lorway	Cape Breton	Reserve Mines		1869-1872		2
NS-C30	Mira	Cape Breton	Mira Bay		1863-1870		<1
NS-C31	New Broughton	Cape Breton	Broughton		1936-1937		2
NS-C32	North Atlantic	Cape Breton	Port Morien		1907-1912		248
NS-C33	Reserve	Cape Breton	Reserve Mines		1871-1892		1,421
NS-C34	Schooner Pond	Cape Breton	Donkin	1	1872-1874		17
NS-C35	South Head/Cow Bay	Cape Breton	Port Morien		1868-1877		6
NS-C36	Barasois	Cape Breton	Sydney Mines		1884-1886		<1

NOVA SCOTIA COAL SUMMARY TABLE 3

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C37	Barrington	Cape Breton	Sydney Mines	1	1923-1925		11
NS-C38	Beaver	Cape Breton	Morrison Road	1	1950-1961		165
NS-C39	Black Diamond	Cape Breton	Sydney Mines	1	1938-1940		4
NS-C40	Colonial Colliery	Cape Breton	North Sydney		1907-1958		3,033
NS-C41	Colonial No.2	Cape Breton	North Sydney	1	1909-1924		257
NS-C42	Dominion/Devco No.12	Cape Breton	New Waterford		1908-1971		28,073
NS-C43	Dominion No.1/1A	Cape Breton	Dominion	0	1907-1927		6,611
NS-C44	Dominion No.5	Cape Breton	Reserve Mines	0	1910-1939		2,272
NS-C45	Dominion No.10	Cape Breton	Reserve Mines	0	1910-1942		5,335
NS-C46	Dominion No.14	Cape Breton	New Waterford	0	1909-1932		4,745
NS-C47	Dominion No.15	Cape Breton	New Waterford	0	1910-1925		1,239
NS-C48	Dominion No.16	Cape Breton	New Waterford	0	1911-1962		16,770
NS-C49	Dominion No.25	Cape Breton	Gardiner Mines	0	1942-1959		2,023
NS-C50	Gardiner	Cape Breton	New Waterford		1868-1892		94
NS-C51	Greener	Cape Breton	Sydney Mines	0	1896-1963		623
NS-C52	Harbourside	Cape Breton	North Sydney	0	1928-1933		44
NS-C53	Hartigan	Cape Breton	Gannon Road	0	1925-1929		2
NS-C54	Jack Pit	Cape Breton	Sydney Mines		1920		3

NOVA SCOTIA COAL SUMMARY TABLE 4

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C55	Jubilee No.6	Cape Breton	Sydney Mines	0	1913-1924		595
NS-C56	Last Chance	Cape Breton	Gannon Road	0	1935-1936		8
NS-C57	Lingan (old)	Cape Breton	Lingan	1	1863-1886		659
NS-C58	MacDougal	Cape Breton	Gannon Road	0	1935-1939		17
NS-C59	North Sydney/Indian Cove	Cape Breton	North Sydney		1859-1919		116
NS-C60	Prospect	Cape Breton	Sydney Mines	1	1928-1931		8
NS-C61	Silver Lake	Cape Breton	Morrison Road	1	1934-1935		3
NS-C62	Sullivan/Indian Cove	Cape Breton	Sydney Mines	1	1934-1940		57
NS-C63	Sydney Mines Colliery	Cape Breton	Sydney Mines		1863-1962		38,882
NS-C64	Sydney No.5/Queen	Cape Breton	Sydney Mines	0	1908-1916		818
NS-C65	Thompson	Cape Breton	Sydney Mines	0	1938-1940		7
NS-C66	Tom Pit	Cape Breton	Sydney Mines	1	1920-1942		681
NS-C67	Tomson	Cape Breton	Sydney Mines		1940-1962		422
NS-C68	Victoria	Cape Breton	Victoria Mines	0	1867-1893		827
NS-C69	Atlantic	Cape Breton	Bras d'Or	0	1957-1959		21
NS-C70	Boularderie	Cape Breton	Little Bras d'Or Bridge		1931		<1
NS-C71	Bras d'Or No.5	Cape Breton	Bras d'Or		1943-1946		20
NS-C72	Coastal	Cape Breton	Point Aconi		1918-1922		18

NOVA SCOTIA COAL SUMMARY TABLE 5

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C73	Collins	Cape Breton	Little Bras d'Or Bridge		1863-1878		28
NS-C74	Colonial No.1	Cape Breton	Bras d'Or	0	1909-1958		2,310
NS-C75	Colonial No.3	Cape Breton	Bras d'Or	0	1918		<1
NS-C76	Colonial No.4	Cape Breton	Bras d'Or	1	1920-1924		347
NS-C77	Colonial No.5	Cape Breton	Florence	0	1920-1923		10
NS-C78	Dominion/Devco No.18	Cape Breton	New Victoria	1	1938-1966		6,688
NS-C79	Dominion No.17	Cape Breton	New Victoria	0	1914-1921		33
NS-C80	Franklin	Cape Breton	Florence	0	1885-1957		1,274
NS-C81	Ingraham	Cape Breton	Low Point		1867-1876		<1
NS-C82	Lloyd Cove No.7	Cape Breton	Alder Point	1	1947-1956		274
NS-C83	Low Point	Cape Breton	Low Point		1925		<1
NS-C84	MacDonald	Cape Breton	Bras d'Or	0	1932-1934		21
NS-C85	Matheson	Cape Breton	Little Bras d'Or Bridge		1865-1869		3
NS-C86	Scotia No.7/Alexander	Cape Breton	Alder Point	1	1921-1925		94
NS-C87	Sullivan	Cape Breton	Sydney Mines	1	1940-1946		75
NS-C88	Sydney No.1/Princess	Cape Breton	Sydney Mines	0	1908-1975		18,753
NS-C89	Sydney No.2/Lloyd Cove	Cape Breton	Sydney Mines	0	1907-1916		461
NS-C90	Sydney No.3/Florence	Cape Breton	Florence	0	1908-1961		11,999

NOVA SCOTIA COAL SUMMARY TABLE 6

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C91	Sydney No.4/Scotia	Cape Breton	Sydney Mines	1	1908-1921		895
NS-C92	Coolen	Colchester	Belmont		1925		<1
NS-C93	Debert	Colchester	Debert		1908-1936		5
NS-C94	Hingley	Colchester	Kemptown	1			
NS-C95	Riversdale	Colchester	Kemptown	1	1920-1932		331
NS-C96	Arseneau	Cumberland	River Hebert		1941-1942		11
NS-C97	Athol	Cumberland	Athol		1921-1923		31
NS-C98	Bayview	Cumberland	Joggins		1923		23
NS-C99	Bayview No.8	Cumberland	Joggins		1939-1961		1898
NS-C100	Beech Grove	Cumberland	River Hebert		1922		7
NS-C101	Beech Hill	Cumberland	River Hebert		1940-1943		14
NS-C102	Black Diamond	Cumberland	Maccan River		1911-1915		11
NS-C103	Boston	Cumberland	River Hebert		1924-1929		42
NS-C104	Carter	Cumberland	Maccan		1922-1927		29
NS-C105	Casey	Cumberland	Joggins		1923		4
NS-C106	Chignecto	Cumberland	Maccan		1867-1948		328
NS-C107	Cochrane	Cumberland	River Hebert		1951-1960		215
NS-C108	Eastern	Cumberland	Maccan		1909-1919		15

NOVA SCOTIA COAL SUMMARY TABLE 7

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C109	Fenwick	Cumberland	Hoeg Road		1917-1929		32
NS-C110	Filor	Cumberland	River Hebert		1951-1955		32
NS-C111	Fundy Mines	Cumberland	Joggins		1903-1934		133
NS-C112	Fundy No.6	Cumberland	Joggins		1929-1930		8
NS-C113	Great Northern	Cumberland	Chignecto		1910		<1
NS-C114	Green Crow	Cumberland	Joggins		1935		<1
NS-C115	Hillcrest	Cumberland	Joggins		1941-1942		119
NS-C116	Joggins	Cumberland	Joggins		1867-1966		2,842
NS-C117	Jubilee	Cumberland	River Hebert		1897-1951		15
NS-C118	Kimberly	Cumberland	River Hebert		1936		2
NS-C119	Lower Cove	Cumberland	Joggins		1904-1915		23
NS-C120	Maccan/Lawson	Cumberland	Maccan Station		1867-1940		84
NS-C121	Maple Leaf Mines	Cumberland	Joggins		1920-1943		896
NS-C122	Maple Leaf No.4	Cumberland	Joggins		1929-1939		551
NS-C123	Maple Leaf No.5	Cumberland	Joggins		1920-1943		11
NS-C124	Marsh	Cumberland	River Hebert		1920-1929		86
NS-C125	Milner	Cumberland	River Hebert		1883-1935		25
NS-C126	Minudie	Cumberland	Minudie		1880-1916		557

NOVA SCOTIA COAL SUMMARY TABLE 8

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C127	National	Cumberland	River Hebert		1922-1925		9
NS-C128	No.1	Cumberland	Springhill		1873-1970		3,052
NS-C129	No.2	Cumberland	Springhill		1915-1966		10,822
NS-C130	No.3	Cumberland	Springhill		1915-1968		258
NS-C131	No.4	Cumberland	Springhill		1934-1970		3,509
NS-C132	No.6	Cumberland	Springhill		1920-1937		1,376
NS-C133	No.7	Cumberland	Springhill		1920-1934		925
NS-C134	Northern/Scotia	Cumberland	Maccan		1872-1936		49
NS-C135	River Hebert/Cochrane	Cumberland	River Hebert		1960-1980		706
NS-C136	Riverside	Cumberland	River Hebert		1926-1951		98
NS-C137	Ross and Tabor	Cumberland	Springhill		1960		<1
NS-C138	Seaman	Cumberland	River Hebert		1877		<1
NS-C139	Seashore	Cumberland	Joggins		1934-1943		113
NS-C140	Spence	Cumberland	Springhill		1960		<1
NS-C141	St. George	Cumberland	St. George		1920-1921		34
NS-C142	Sterling (No.3 Mine)	Cumberland	River Hebert		1917-1923		88
NS-C143	Strathcona No.1	Cumberland	River Hebert		1924-1928		29
NS-C144	Strathcona No.2	Cumberland	River Hebert		1922-1947		547

NOVA SCOTIA COAL SUMMARY TABLE 9

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C145	Strathcona No.3	Cumberland	River Hebert		1930-1931		15
NS-C146	Strathcona Mines	Cumberland	River Hebert		1895-1947		731
NS-C147	Trestle Brook	Cumberland	Joggins		1925-1928		3
NS-C148	Victoria No.1	Cumberland	River Hebert		1921-1930		127
NS-C149	Victoria No.2	Cumberland	River Hebert		1915-1930		182
NS-C150	Victoria No. 4	Cumberland	River Hebert		1931-1941		505
NS-C151	Victoria Mines	Cumberland	River Hebert		1867-1941		1,013
NS-C152	Waddell	Cumberland	River Hebert		1943-1952		2
NS-C153	Chestico	Inverness	Port Hood		1959-1966		152
NS-C154	Port Hood	Inverness	Port Hood		1875-1958		818
NS-C155	Beaton	Inverness	Inverness		1952-1954		<1
NS-C156	Broad Cove	Inverness	Inverness		1887-1905		394
NS-C157	Campbell No.1 and 2	Inverness	Inverness		1944-1961		86
NS-C158	Cameron	Inverness	Inverness		1962-1963		<1
NS-C159	Chimney Corner	Inverness	Chimney Corner		1867-1952		12
NS-C160	Evans	Inverness	St. Rose		1946-1976		680
NS-C161	Inverness (Nos.1 and 4)	Inverness	Inverness		1903-1951		6,292
NS-C162	Mabou	Inverness	Mabou		1887-1951		62

NOVA SCOTIA COAL SUMMARY TABLE 10

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C163	MacDonald No.1	Inverness	Inverness		1943-1952		141
Ns-C164	MacDonald No.2	Inverness	Inverness		1948-1957		2
NS-C165	MacDonald No.3	Inverness	Inverness		1948-1959		118
NS-C166	MacDonald No.5	Inverness	Inverness		1952-1957		9
NS-C167	MacEachern	Inverness	Inverness		1953		<1
NS-C168	McDonald	Inverness	Inverness		1944-1949		22
NS-C169	McIssac	Inverness	Inverness		1963-1966		2
NS-C170	McLellan	Inverness	Inverness		1943-1957		31
NS-C171	Rankin	Inverness	Inverness		1891-1892		1
NS-C172	Rosebank No.1	Inverness	Inverness		1943-1946		5
NS-C173	Rosebank No.2	Inverness	Inverness		1947-1957		89
NS-C174	Rosebank No.3	Inverness	Inverness		1956-1961		42
NS-C175	Rosebank No.5	Inverness	Inverness		1955-1957		19
NS-C176	Tijer	Inverness	Mabou		1961-1964		<1
NS-C177	Acadia No.1	Pictou	Stellarton	0	1920-1925		241
NS-C178	Acadia No.2	Pictou	Thorburn	0	1920-1921		48
NS-C179	Acadia No.3	Pictou	Thorburn	0	1920-1939		1,377
NS-C180	Acadia No.5	Pictou	New Glasgow		1921		1

NOVA SCOTIA COAL SUMMARY TABLE 11

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C181	Acadia No.7	Pictou	Stellarton	1	1936-1947		568
NS-C182	Acadia Colliery	Pictou	Westville		1867-1920		11,562
NS-C183	Albion	Pictou	Stellarton	0	1867-1942		7,455
NS-C184	Allan	Pictou	Stellarton	0	1908-1951		4,758
NS-C185	Black Diamond	Pictou	Westville	0	1888-1891		99
NS-C186	East River	Pictou	East River		1887-1892		9
NS-C187	Fox Brook	Pictou	New Glasgow		1923		<1
NS-C188	German/Marsh	Pictou	New Glasgow		1867-1909		282
NS-C189	Greenwood No.1	Pictou	Thorburn		1926-1930		153
NS-C190	Greenwood No.2	Pictou	Greenwood	1	1926-1966		293
NS-C191	Greenwood Colliery	Pictou	Greenwood	0	1918-1966		821
NS-C192	Hillcrest	Pictou			1936		<1
NS-C193	Intercolonial/Drummond No.1	Pictou	Westville	0	1923-1969		2,441
NS-C194	Intercolonial/Drummond No.2	Pictou	Westville	0	1923-1984		3,527
NS-C195	Intercolonial/Drummond No.5	Pictou	Westville		1920-1945		589
NS-C196	Intercolonial/Drummond Mines	Pictou	Westville		1867-1976		13,930
NS-C197	Linacy	Pictou	Stellarton		1960-1963		3
NS-C198	MacBean/Vale	Pictou	Thorburn	0	1867-1971		4,700

NOVA SCOTIA COAL SUMMARY TABLE 12

Site #	Name	County	Community	Distance (km)	Operating Period	Depth (m)	Total Production (x1000 t)
NS-C199	MacGregor/Albion	Pictou	Stellarton	0	1912-1957		2,941
NS-C200	MacKay	Pictou	East River		1867-1870		1
NS-C201	Merigomish	Pictou	Merigomish		1868-1869		<1
NS-C202	Milford/Acadia	Pictou	Coalburn	1	1916-1947		622
NS-C203	Milford No.1/Acadia No.4	Pictou	Coalburn		1920-1941		244
NS-C204	Milford No.2/Acadia No.6	Pictou	Coalburn		1838-1947		184
NS-C205	Montreal and New Glasgow	Pictou	Coal Brook		1868		<1
NS-C206	Montreal and Pictou	Pictou	East River		1867		<1
NS-C207	Nova Scotia	Pictou	Middle River		1867-1878		308
NS-C208	Wadden	Pictou	Westville		1946-1953		16
NS-C209	Richmond	Richmond	Port Malcolm		1868-1908		2
NS-C210	Tidewater	Richmond	Whiteside		1928		<1
NS-C211	Basin	Richmond	Morash Point		1922-1923		1
NS-C212	Lawler	Richmond	Glengarry		1929-1938		3
Ns-C213	Anglo	Victoria	New Campbellton		1867-1924		158
NS-C214	Black Rock	Victoria	Boularderie Island		1867-1874		<1

INVENTORY DATA SHEETS

QUEBEC INVENTORY DATA SHEETS

The following abbreviations are approved:

Actinolite	ak	Epidote	ep	Plagioclase	pg
Aegirine	ae	Feldspar	fel	Pyrite	py
Albite	ab	Feldspathic dunite	fd	Pyrochlore	pc
Almandine	al	Fluorite	fl	Pyrolusite	pz
Alunite	at	Galena	gn	Pyroxene	pn
Amphibolite	am	Garnet	gt	Pyrrhotite	po
Anhydrite	ah	Glauconite	gk	Quartz	q
Andalusite	ad	Graphite	gf	Radioactive minerals	ra
Anthophyllite	ay	Gravel and sand	gs	Rhodochrosite	ro
Apatite	ap	Gypsum-outcrop or indication	gyp	Rutile	ru
Arsenopyrite	asp	Halite	na	Scapolite	sk
Asbestos	asb	Hematite	hem	Scorodite	so
Augite	aug	Hornblende	h	Serpentine	sup
Axinite	ax	Hypersthene	hy	Sericite	sc
Barite	ba	Illite	it	Scheelite	sh
Beryl	by	Ilmenite	il	Siderite	si
Biotite	bi	Iron-formation	i-f	Silica	sc
Bismuthinite	bs	Jarosite	jr	Sillimanite	sil
Bornite	bo	Kaolinite	kl	Spessartite	sn
Carnallite	km	Limestone	ls	Sphalerite	sp
Cassiterite	ks	Limonite	lm	Sphene	ti
Calcite	ca	Lepidolite	le	Spinel	sp
Cancrinite	cc	Leptochlorite	lc	Spodumene	spd
Cerrusite	cs	Magnetite	mag	Staurolite	st
Chalcedony	cn	Marcasite	ma	Stibnite	sb
Chalcopyrite	cp	Mica	mi	Stone (building)	B. st
Chlorite	ch	Microcline	mk	Sulphides	s
Chromite	cr	Molybdenite	mo	Sylvine	k
Cinnabar	hg	Monazite	mz	Talc	tk
Clinopyroxenite	cpy	Montmorillonite	mm	Tantalite-columbite	ta-cl
Cobaltite	cb	Muscovite	mu	Titanomagnetite	tm
Columbite	cl	Nacrite	nc	Tourmaline	tl
Cordierite	ct	Nepheline	ne	Tremolite	tr
Corundum	cor	Nontronite	nt	Topaz	to
Crocidolite	crd	Olivine	ov	Vanadinite	va
Datolite	da	Orthite	ot	Vermiculite	vm
Diallage	dl	Orthoclase	or	Vesuvianite	vs
Dickite	dt	Ozokerite	oz	Wolframite	w
Diamond	di	Pegmatite	p	Wollastonite	wo
Diopside	dp	Perovskite	pw	Zeolite	ze
Dolomite	dol	Phlogopite	pl	Zircon	zr

For elements, use chemical symbols e. g. copper . . . Cu

Mine Name: ALDERMAC MOULTON HILL		Site #:	21E/05-11
Location:	Township: Ascot	U.T.M.:	5032030m. N
	N.T.S.: 21E/05		278950m. E
Closest Community: Fleurimont (0 Km) Sherbrooke (6 Km)			
Minerals Mined: sp, cp, py, gn			
Host Rock: chlorite schist (Ascot formation)			
Maximum Depth: 263 meters		Ore Removed (x 1000):	317 tonnes
Operating Period: 1944 - 1953 intermittently			
Underground Workings:	• One inclined shaft to a depth of 148m • Vertical shaft to a depth of 263m • Ten levels with galleries		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: SUFFIELD		Site #:	21E/05-14
Location:	Township: Ascot	U.T.M.:	5022420m. N
	N.T.S.: 21E/05		268030m. E
Closest Community: North Hatley (5 Km) Rock Forest (4 Km)			
Minerals Mined: sp, cp, gn, Ag, Au, py			
Host Rock: rhyolite			
Maximum Depth: 182 meters		Ore Removed (x 1000):	850 tonnes
Operating Period: 1865 - 1956 intermittently			
Underground Workings:	• Four shafts with No. three shaft to a depth of 182m • Five levels		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: HOWARD		Site #:	21E/05-20
Location:	Township: Ascot	U.T.M.:	5023560m. N
	N.T.S.: 21E/05		268340m. E
Closest Community: Rock Forest (5 Km) North Hatley (5 Km)			
Minerals Mined: sp, cp, gn, py			
Host Rock: sericite schist, chlorite schist (Ascot formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1886 - 1956 intermittently			
Underground Workings:	• One shaft, levels and galleries (depth and extent unknown)		
Information Sources: 1, 2, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: HEPBURN		Site #:	21E/05-27
Location:	Township: Ascot	U.T.M.:	5024950m. N
	N.T.S.: 21E/05		271350m. E
Closest Community: Sherbrooke (7 Km) Belvedere Heights (2 Km)			
Minerals Mined: cp, py			
Host Rock: chloritised felsic tuff in felsic meta - pyroclastics			
Maximum Depth: 60 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1895 - 1910 artisanal production			
Underground Workings:	• One inclined shaft to a depth of 48m with a small gallery and some lateral workings • One inclined shaft at a depth of 18m • One shaft to a depth of 60m with a small gallery • Two open pits (10m X 15m) 60m deep (production extent of each unknown)		
Information Sources: 1, 2, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: EUSTIS			Site #:	21E/05-28
Location:	Township: Ascot		U.T.M.:	5022340M. N
	N.T.S.: 21E/05			217080m. E
Closest Community: Rock Forest (4 Km) Waterville (6 Km)				
Minerals Mined; cp, gn, sp, Au, Ag, py, po				
Host Rock: sericite schist, chlorite schist (Ascot formation)				
Maximum Depth:	2438 meters	Ore Removerd (x 1000)		1610 tonnes
Operating Period: 1865 - 1939				
Underground Workings:	●A number of shafts to a plunging depth of 2438m ●One adit, and galleries			
Information Sources: 1, 2, 3, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: CAPELTON-ALBERT			Site #:	21E/05-31
Location:	Township: Ascot		U.T.M.:	5022725m. N
	N.T.S.: 21E/05			272125m. E
Closest Community: Waterville (5 Km) Rock Forest (5 Km)				
Minerals Mined: cp, gn, sp, Au, Ag, po, py				
Host Rock: sericite schist in contact with chlorite schist (Ascot formation)				
Maximum Depth:	762 meters	Ore Removed (x 1000):		300 tonnes
Operating Period: 1866 - 1907				
Underground Workings:	●Four shafts, the deepest on the incline at 762m ●One adit and levels			
Information Sources: 1, 2, 3, 4, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: CLINTON COPPER		Site #:	21E/07-7
Location:	Township: Clinton	U.T.M.:	5031800m. N
	N.T.S.: 21E/07		349180m. E
Closest Community: Woburn (7 Km)			
Minerals Mined: cp, sp, gn, Au, Ag, py			
Host Rock: felsic-mafic volcanics (Dixville formation)			
Maximum Depth: (?) 90 meters		Ore Removed (x 1000):	104 tonnes
Operating Period: 1974 - 1975			
Underground Workings:	• Decline (90m) and four galleries		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: WEEDON		Site #:	21E/11-4
Location:	Township: Weedon	U.T.M.:	5063770m. N
	N.T.S.: 21E/11		315380m. E
Closest Community: Weedon Centre (8 Km) Fontainebleau (2 Km)			
Minerals Mined: py, cp, sp, po, gn, Ag, Au			
Host Rock: sericite schist, chlorite schist (Weedon formation)			
Maximum Depth: meters		Ore Removed (x 1000):	1606 tonnes
Operating Period: 1910 - 1973 intermittently			
Underground Workings:	• Four shafts with twenty-five (or more) levels		
Information Sources: 1, 2, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MONT ST-ADRIEN		Site #:	21E/13-32
Location:	Township: Ham Nord	U.T.M.:	5079150m. N
	N.T.S.: 21E/13		290700m. E
Closest Community: St. Adrien (3 Km)			
Minerals Mined: asb			
Host Rock: serpentinite in contact with shale and slate			
Maximum Depth: meters		Ore Removed (x 1000):	approx. 200 tonnes
Operating Period: 1953 - 1970 intermittently			
Underground Workings:	• One adit with 825m of lateral advances • Also two open pits (production extent of each unspecified)		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: CONTINENTAL		Site #:	21E/14-9
Location:	Township: Coleraine	U.T.M.:	5095000m. N
	N.T.S.: 21E/14		314700m. E
Closest Community: Coleraine (3 Km)			
Minerals Mined: asb			
Host Rock: serpentinized harzburgite near granite intrusion			
Maximum Depth: meters		Ore Removed (x 1000):	244 tonnes
Operating Period: 1887 - 1952 intermittently			
Underground Workings:	• One small inclined adit • Three shafts (?) of unspecified extent • Two open pits accounting for most of the production		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: WINDSOR		Site #:	21E/14-12
Location:	Township: Coleraine	U.T.M.:	5091700m. N
	N.T.S.: 21E/14		319625m. E
Closest Community: Coleraine (4 Km)			
Minerals Mined: asb			
Host Rock: serpentinized dunite, pyroxenite			
Maximum Depth: meters		Ore Removed (x 1000):	52 tonnes
Operating Period: 1921, 1952 intermittently			
Underground Workings:	• Shaft and three tunnels		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: CUPRA D'ESTRIE		Site #:	21E/14-44
Location:	Township: Stratford	U.T.M.:	5071040m. N
	N.T.S.: 21E/14		320410m. E
Closest Community: Stratford Centre (2 Km)			
Minerals Mined: cp, sp, bo, gn, Au, Ag, Cd, Bi			
Host Rock: sericite - chlorite schist (Weedon formation)			
Maximum Depth: 1440 meters		Ore Removed (x 1000):	2429 tonnes
Operating Period: 1965 - 1977			
Underground Workings:	• Two shafts to depth of 1440m • Twenty-eight levels and winze		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: SOLBEC COPPER		Site #:	21E/14-47
Location:	Township: Stratford	U.T.M.:	5074680m. N
	N.T.S.: 21E/14		322210m. E
Closest Community: Stratford Centre (3 Km)			
Minerals Mined: py, sp, cp, gn, Au, Ag, Cd			
Host Rock: sericite and/or chlorite schist (Weedon formation)			
Maximum Depth: 620 meters		Ore Removed (x 1000):	1914 tonnes
Operating Period: 1962 - 1970			
Underground Workings:	• One shaft to depth of 620m • Open pit (unknown size)		
Information Sources: 1, 2, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: FRONTENAC		Site #:	21L/03-17
Location:	Township: Broughton	U.T.M.:	5121650. N
	N.T.S.: 21L/03		320410m. E
Closest Community: East Broughton Station (0 Km)			
Minerals Mined: asb			
Host Rock: serpentinized ultramafic dyke			
Maximum Depth: (?) 1918 meters		Ore Removed (x 1000):	9094 tonnes
Operating Period: 1903 - 1958 intermittently			
Underground Workings:	• Two shafts to a maximum depth of 1918m (?) • One adit • One tunnel towards Fraser mine		
Information Sources: 1, 2, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: PENHALE		Site #:	21L/03-34
Location:	Township: Irlande	U.T.M.:	5099350m. N
	N.T.S.: 21L/03		313975m. E
Closest Community: Vimy Ridge (2 Km) Black Lake (4 Km)			
Minerals Mined: asb			
Host Rock: serpentinized peridotite			
Maximum Depth: 105 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1955 - 1977 intermittently			
Underground Workings:	• Shaft to a depth of 105m		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: GREENSHIELDS		Site #:	21L/03-45
Location:	Township: Coleraine	U.T.M.:	5098700m. N
	N.T.S.: 21L/03		317200m. E
Closest Community: Black Lake (2 Km)			
Minerals Mined: cr			
Host Rock: dunite in harzburgite			
Maximum Depth: 125 meters		Ore Removed (x 1000):	30 tonnes
Operating Period: 1895 - 1946 intermittently			
Underground Workings:	• One shaft to a depth of 125m, with three levels and galleries • One shaft of unknown depth with galleries of limited extent		
Information Sources: 1, 2, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: REED-BELANGER			Site #:	21L/03-49
Location:	Township: Coleraine		U.T.M.:	5097600m. N
	N.T.S.: 21L/03			318600m. E
Closest Community: Black Lake (4 Km)				
Minerals Mined: cr				
Host Rock: dunite				
Maximum Depth:	145 meters	Ore Removed (x 1000):		300 tonnes
Operating Period: 1894 - 1944 intermittently				
Underground Workings:	• One shaft to a depth of 125m with at least three levels with galleries and extraction chamber • One shaft to a depth of 145m • One shaft to a depth of 24m with 90m of galleries • Also minor open pit operation (675t?)			
Information Sources: 1, 2, 3, 4, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: CARIBOU			Site #:	21L/03-50
Location:	Township: Coleraine		U.T.M.:	5098400m. N
	N.T.S.: 21L/03			319100m. E
Closest Community: Black Lake (3 Km)				
Minerals Mined: cr				
Host Rock: dunite, harzburgite				
Maximum Depth:	meters	Ore Removed (x 1000):		21 tonnes
Operating Period: 1894 - 1920 intermittently				
Underground Workings:	• One shaft to a depth of 60m with three compartments and levels • 975m of galleries at the first and second levels • Also open pits (production extent of each unspecified)			
Information Sources: 1, 2, 3, 4, 6				
Information Appended: Yes		Geothermal Potential: Unknown		

Mine Name: UNION			Site #:	21L/03-60
Location:	Township: Coleraine		U.T.M.:	5101000m. N
	N.T.S.: 21L/03			319800m. E
Closest Community: Black Lake (3 Km) Thetford Mines (6 Km)				
Minerals Mined: asb, cr				
Host Rock: serpentinite, peridotite				
Maximum Depth:	meters	Ore Removed (x 1000):		2277 tonnes
Operating Period: 1886 - 1925 intermittemtly				
Underground Workings:	● Open pit ● Also one shaft and one tunnel (unknown extent of underground work)			
Information Sources: 1, 2, 4, 6				
Information Appended: Yes		Geothermal Potential: Unknown		

Mine Name: HALIFAX			Site #:	21L/04-26
Location:	Township: Halifax		U.T.M.:	5106850m. N
	N.T.S.: 21L/04			294750m. E
Closest Community: Frechette (2 Km) Vianney (St-Jean-Baptiste) (3 Km)				
Minerals Mined: cp, bo, chalcosite, Ag				
Host Rock: sericite schist, chlorite schist (Sutton-Bennett formation)				
Maximum Depth:	meters	Ore Removed (x 1000):		tonnes
Operating Period: circa 1863				
Underground Workings:	● Adits			
Information Sources: 1, 2, 6				
Information Appended: Yes		Geothermal Potential: Unknown		

Mine Name: HARVEY HILL		Site #:	21L/06-21
Location:	Township: Leeds	U.T.M.:	5125550m. N
	N.T.S.: 21L/06		329950m. E
Closest Community: St-Pierre-de-Broughton (2 Km) Thetford Mines (19 Km)			
Minerals Mined: cp, bo, py, Ag			
Host Rock: ottrelite-sericite-quartz-talc-schist			
Maximum Depth: meters		Ore Removed (x 1000):	453 tonnes
Operating Period: 1858 - 1975 intermittently			
Underground Workings:	●Shafts ●Four levels with galleries		
Information Sources: 1, 2, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: GASPE COPPER		Site #:	22A/13-6
Location:	Township: Holland	U.T.M.:	5424950m. N
	N.T.S.: 22A/13		315550m. E
Closest Community: Murdochville (0 Km)			
Minerals Mined: cp, bo, mo, py, po, Ag			
Host Rock: skarn (Shiphead and Forillon formations)			
Maximum Depth: meters		Ore Removed (x 1000):	134063 tonnes
Operating Period: 1955 - 1982 intermittently			
Underground Workings:	●Mont Copper deposit - open pit ●Mont de l'Aguille - open pit and underground (the extent of each unspecified)		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: CANDEGO		Site #:	22G/01-4
Location:	Township: Boisbuisson	U.T.M.:	5438400m. N
	N.T.S.: 22G/01		714050m. E
Closest Community: Marsoui (16 Km) Ste-Marthe-de-Gaspe (16 Km)			
Minerals Mined:py, gn, sp, po, Ag			
Host Rock: slate (Deslandes formation)			
Maximum Depth: meters		Ore Removed (x 1000):	62 tonnes
Operating Period:1948 and 1954 intermittently			
Underground Workings:	●Seven adits (also quarries of unknown extent)		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: MADELEINE		Site #:	22G/01-29
Location:	Township: Boisbuisson	U.T.M.:	5433700m. N
	N.T.S.: 22G/01		719050m. E
Closest Community: Marsoui (23 Km) Ste-Marthe-de-Gaspe (25 Km)			
Minerals Mined: cp, bo, digenite, covelite, Ag			
Host Rock: pelitic skarn, greywacke (Dalibaire formation)			
Maximum Depth: 2100 meters		Ore Removed (x 1000):	8133 tonnes
Operating Period: 1969 - 1982 intermittently			
Underground Workings:	●One shaft to a depth of 2100m ●Three adits, spiral ramps, multiple levels, sub levels, open chambers ●Pumping station at level 1900m		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: NEW CALUMET		Site #:	31F/10-2
Location:	Township: Grand Calumet	U.T.M.:	5061900m. N
	N.T.S.:31F/10		369400m. E
Closest Community: Bryson (6 Km)			
Minerals Mined: sp, gn, cp, py, po, Au, Ag			
Host Rock: calcareous amphibolite and biotite gneiss			
Maximum Depth: meters		Ore Removed (x 1000):	3389 tonnes
Operating Period: 1943 - 1968			
Underground Workings:	• Five shafts (1630 m in total; no maximum depth defined) • Galleries (total of 31396m)		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: FORSYTH		Site #:	31G/05-10
Location:	Township: Hull	U.T.M.:	5035600m. N
	N.T.S.: 31G/05		438425m. E
Closest Community: Hull (8 Km)			
Minerals Mined: mag, cp, py, po, hem			
Host Rock: crystalline limestone			
Maximum Depth: 249 meters		Ore Removed (x 1000):	67 tonnes
Operating Period: 1845 - 1976 intermittently			
Underground Workings:	• One shaft at a depth of 249m • One decline 312m • 512m of galleries on six levels		
Information Sources: 1, 2, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MAIN OKA ST LAWRENCE COLUMB.		Site #:	31G/09-16
Location:	Township: Lac-des-Deux-Montagnes	U.T.M.:	5039300m. N
	N.T.S.: 31G/09		575700m. E
Closest Community: Oka (3 Km) Montreal (32 Km)			
Minerals Mined: pc, pw			
Host Rock: carbonatite			
Maximum Depth: meters		Ore Removed (x 1000):	6156 tonnes
Operating Period: 1961 - 1976			
Underground Workings:	●Main Oka: Shafts (unspecified number and extent) with several levels ●St-Lawrence Columbium: galleries at 150m and 300m reach the Main Oka mine		
Information Sources: 1 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DERRY		Site #:	31G/11-12
Location:	Township: Ascot	U.T.M.:	5061600m. N
	N.T.S.: 21E/05		463950m. E
Closest Community: Glen-Almond (2 Km)			
Minerals Mined: fel			
Host Rock: pegmatite in feldspath-biotite-garnet-gneiss			
Maximum Depth: 263 meters		Ore Removed (x 1000):	100 tonnes
Operating Period: 1961 - 1969 intermittently			
Underground Workings:	●One inclined gallery ●Also open pit (production extent of each unspecified)		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: BACK		Site #:	31G/11-16
Location:	Township: Dery	U.T.M.:	506335m. N
	N.T.S.: 31G/11		465525m. E
Closest Community: Glen Almond (4 Km)			
Minerals Mined: mk			
Host Rock: pegmatite dyke			
Maximum Depth: 45 meters		Ore Removed (x 1000):	402 tonnes
Operating Period: 1925 - 1971 intermittently			
Underground Workings:	• Open pit • Underground work from an adit to a depth of 45m; gallery		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: BLACKBURN - 1		Site #:	31G/12-34
Location:	Township: Templeton	U.T.M.:	5053850m. N
	N.T.S.: 31G/12		452500m. E
Closest Community: Perkins (4 Km)			
Minerals Mined: ap, mi			
Host Rock: metasomatised crystalline limestone near pegmatites			
Maximum Depth: meters		Ore Removed (x 1000):	36 tonnes
Operating Period: 1880 - 1940			
Underground Workings:	• Three shafts • Several small open pits (production extent of each unspecified)		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: HIGH ROCK		Site #:	31G/13-35
Location:	Township: Portland Ouest	U.T.M.:	5070680m. N
	N.T.S.: 31G/13		451050m. E
Closest Community: Notre-Dame de la Salette (3 Km)			
Minerals Mined: ap			
Host Rock: metsomatised crystalline limestone			
Maximum Depth: meters		Ore Removed (x 1000):	82 tonnes
Operating Period: 1879 - 1945			
Underground Workings:	• Adit and several small open pits • Production extent of each unspecified		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: CROWN HILL		Site #:	31G/13-36
Location:	Township: Portland Ouest	U.T.M.:	5070170m. N
	N.T.S.: 31G/13		451550m. E
Closest Community: Notre-Dame-de-la-Salette (4 Km)			
Minerals Mined: ap			
Host Rock: metasomatised crystalline limestone			
Maximum Depth: meters		Ore Removed (x 1000):	33 tonnes
Operating Period: 1882 - 1945			
Underground Workings:	• Not specified		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: NORTH STAR		Site #:	31G/13-44
Location:	Township: Portland Est	U.T.M.:	5070700m. N
	N.T.S.: 31G/13		457500m. E
Closest Community: Lac-aux-Rats-Musques (2 Km)			
Minerals Mined: ap			
Host Rock: metasomatised crystalline limestone near pegmatites			
Maximum Depth: meters		Ore Removed (x 1000):	23 tonnes
Operating Period: 1879 - 1941 intermittently			
Underground Workings:	• Two inclined shafts of 76m and 184m in length		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: ST-REMI		Site #:	31G/15-1
Location:	Township: Amherst	U.T.M.:	5093100m. N
	N.T.S.: 31G/15		519325m. E
Closest Community: Rockway Valley (3 Km)			
Minerals Mined: q, kl			
Host Rock: quartzite			
Maximum Depth: meters		Ore Removed (x 1000):	598 tonnes
Operating Period: 1917 - 1958 intermittently			
Underground Workings:	• Two shafts to 33m and 90m and galleries with extent of 1215m • Also open pit (production extent of each unspecified)		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: KILMAR (North Zone)		Site #:	31G/15-19
Location:	Township: Grenville	U.T.M.:	5068550m. N
	N.T.S.: 31G/15		530400m. E
Closest Community: Calumet (12 Km), Grenville (15 Km)			
Minerals Mined: magnesite			
Host Rock: magnesium calc-silicate rock - gneiss and quartzite			
Maximum Depth: meters		Ore Removed (x 1000):	4028 (1990) tonnes
Operating Period: 1915 - 1992			
Underground Workings:	• At least two shafts with several levels • The extent of the ore zones reached by underground work is 450m long, 60m wide and 600m deep		
Information Sources: 2, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MARCOUX		Site #:	31H/01-36
Location:	Township: Potton	U.T.M.:	4997450m. N
	N.T.S.: 31H/01		705725m. E
Closest Community: Mansonville (5 Km)			
Minerals Mined: tk			
Host Rock: serpentinized peridotite			
Maximum Depth: meters		Ore Removed (x 1000):	6 tonnes
Operating Period: 1949 - 1952			
Underground Workings:	• Shafts and a small gallery 13m long		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unlikely	

Mine Name: BAKER			Site #:	31H/01-44
Location:	Township: Potton		U.T.M.:	4989850m. N
	N.T.S.: 31H/01			700150m. E
Closest Community: Highwater (2 Km) Dunkin (2 Km)				
Minerals Mined: tk				
Host Rock: talc - schist in serpentinite				
Maximum Depth: meters		Ore Removed (x 1000):		23 tonnes
Operating Period: 1934 - 1949				
Underground Workings:	• One adit • Also surface mining (production extent of each unspecified)			
Information Sources: 1, 2, 6				
Information Appended: Yes		Geothermal Potential: Unlikely		

Mine Name: SWEET			Site #:	31H/02-17
Location:	Township: Sutton		U.T.M.:	5001000m. N
	N.T.S.: 31H/02			685800m. E
Closest Community: Sutton (3 km)				
Minerals Mined: py, cp, bo,				
Host Rock: Slate (Call Mill formation)				
Maximum Depth: meters		Ore Removed (x 1000):		tonnes
Operating Period: 1862 - 1864 - artisanal production				
Underground Workings:	• Two shafts, galleries			
Information Sources: 1, 2, 6				
Information Appended: Yes		Geothermal Potential: Unlikely		

Mine Name: WASHER		Site #:	31H/02-23
Location:	Township: Brome	U.T.M.:	5004300m. N
	N.T.S.: 31H/02		687200m. E
Closest Community: Mansville (1 km)			
Minerals Mined: py, cp, chalcosite, bo			
Host Rock: chlorite schist (Tibbit Hill formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1875 - production artisanal			
Underground Workings:	• Three shafts		
Information Sources: 1, 6			
Information Appended: Yes		Geothermal Potential: Unlikely	

Mine Name: SHEPERD		Site #:	31H/02-29
Location:	Township: Brome	U.T.M.:	50059009m. N
	N.T.S.: 31H/02		688900m. E
Closest Community: Call Mill (2 km)			
Minerals Mined: cp, bo, py, Au, Ag			
Host Rock: chlorite schist, dolomite (Tibbit Hill formation)			
Maximum Depth: 23 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1863 - 1915 artisanal production			
Underground Workings:	• Three shafts to a maximum depth of 23m • With small galleries at the bottom		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unlikely	

Mine Name: BROME (Bedford Mining)		Site #:	31H/02-30
Location:	Township: Brome	U.T.M.:	5006400m. N
	N.T.S.: 31H/02		689150m. E
Closest Community: Brome (2 Km)			
Minerals Mined: cp, bo			
Host Rock: chlorite schist (Tibbit Hill formation)			
Maximum Depth: 27 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1864 - 1866 artisanal production			
Underground Workings:	●Two shafts of 15m and 27m		
Information Sources: 1, 6			
Information Appended: Yes		Geothermal Potential: Unlikely	

Mine Name: HUNTINGDON (Quebec Copper)		Site #:	31H/08-93
Location:	Township: Bolton	U.T.M.:	5015495m. N
	N.T.S.: 31H/08		709300m. E
Closest Community: Bolton (7 Km) Millington (8 Km)			
Minerals Mined: po, py, cp, Au			
Host Rock: Andesite			
Maximum Depth: 480 meters		Ore Removed (x 1000):	1209 tonnes
Operating Period: 1865 - 1958 intermittently			
Underground Workings:	●Shafts (possibly four or five) to a maximum depth of 480m ●One adit		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: STERRET		Site #:	31H/09-50
Location:	Township: Cleveland	U.T.M.:	5062850m. N
	N.T.S.: 31H/09		730475m. E
Closest Community: Greenshields (2 Km)			
Minerals Mined: cr			
Host Rock: serpentinized harzburgite, dunite			
Maximum Depth: meters		Ore Removed (x 1000):	109 tonnes
Operating Period: 1916 - 1945			
Underground Workings:	●Two shafts with more than three levels ●Ten (?) small extraction pits		
Information Sources: 1, 2, 3, 4, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: MONTAUBAN (North Zone)		Site #:	31I/16-16
Location:	Township: Montauban	U.T.M.:	5189490m. N
	N.T.S.: 31I/16		702180m. E
Closest Community: Montauban-les-Mines (0 Km)			
Minerals Mined: py, Au, Ag			
Host Rock: carbonate - cordierite gneiss			
Maximum Depth: meters		Ore Removed (x 1000):	331 tonnes
Operating Period: 1983 - 1986			
Underground Workings:	●No description on the nature and the extent of the mine workings		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: TETRAULT		Site #:	31I/16-18
Location:	Township: Montauban	U.T.M.:	5188900m. N
	N.T.S.: 31I/16		702275m. E
Closest Community: Montauban-les-Mines (0 Km)			
Minerals Mined: marmatite, sp, gn, po, py, Au, Ag			
Host Rock: skarn in crystalline limestone			
Maximum Depth: meters		Ore Removed (x 1000):	2494 tonnes
Operating Period: 1913 - 1961 intermittently			
Underground Workings:	●No description on the nature and the extent of the mine workings		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MONTAUBAN		Site #:	31I/16-20
Location:	Township: Montauban	U.T.M.:	5190665m. N
	N.T.S.: 31 I/16		702350m. E
Closest Community: Montbauban-les-Mines (1 Km)			
Minerals Mined: sp, gn, Ag, po, py			
Host Rock: Skarn in crystalline limestone			
Maximum Depth: meters		Ore Removed (x 1000):	102 tonnes
Operating Period: 1953 - 1954			
Underground Workings:	●No description on the nature and the extent of the mine workings		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: WRIGHT		Site #:	31M/06-7
Location:	Township: Duhamel	U.T.M.:	525300m. N
	N.T.S.: 31M/06		613675m. E
Closest Community: St-Bruno-de-Guigues (7 Km) Ville-Marie (11 Km)			
Minerals Mined: gn, sp, py, Ag			
Host Rock: rhyolitic agglomerate near sandstone and conglomerate			
Maximum Depth: 107 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1870 - 1902			
Underground Workings:	● One vertical shaft at a depth of 107m with four levels ● Minor open pit operation (production extent of each unknown)		
Information Sources: 1, 2, 3, 4, 5, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: BELLETERRE		Site #:	31M/07-13
Location:	Township: Guillet	U.T.M.:	5253665m. N
	N.T.S.: 31M/07		675205m. E
Closest Community: Belleterre (4Km)			
Minerals Mined: Au, Ag, py, po, cp, sp, gn, sb			
Host Rock: Mafic volcanic with tuffaceous horizon			
Maximum Depth: 778 meters		Ore Removed (x 1000):	2177 tonnes
Operating Period: 1936 - 1959			
Underground Workings:	● Five shafts to a maximum depth of 778m ● Several levels and galleries		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: LORRAINE		Site #:	31M/07-27
Location:	Township: Gaboury	U.T.M.:	5246885m. N
	N.T.S.: 31M/07		655780m. E
Closest Community: Latuline (10 Km)			
Minerals Mined: cp, po, pentlandite, Au, Ag			
Host Rock: basalt near gabbro intrusion			
Maximum Depth: 332 meters		Ore Removed (x 1000):	600 tonnes
Operating Period: 1964 - 1968			
Underground Workings:	●Shaft to maximum depth of 332m with galleries on six levels		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: BUFFADISON		Site #:	32C/03-31
Location:	Township: Louvicourt	U.T.M.:	5329500m. N
	N.T.S.: 32C/03		319000m. E
Closest Community: Louvicourt (4 Km)			
Minerals Mined: Au, Ag, py			
Host Rock: Granodiorite near contact with volcanics			
Maximum Depth: 299 meters		Ore Removed (x 1000):	tonnes
Operating Period: No production			
Underground Workings:	●One shaft to 299m with six levels and galleries (2613m) ●Treatment of 8223 tonnes of development ore ●Connects underground with Bevcon mine		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: BEVCON		Site #:	31C/03-32
Location:	Township: Louvicourt	U.T.M.:	5329715m. N
	N.T.S.: 32C/03		319705m. E
Closest Community: Louvicourt (3 Km)			
Minerals Mined: Au, Ag, py, cp			
Host Rock: Granodiorite (Bevcon pluton)			
Maximum Depth: 299 meters		Ore Removed (x 1000):	2987 tonnes
Operating Period: 1947 - 1967			
Underground Workings:	• One shaft to 299m with six levels and galleries • One shaft to 278m with seventeen levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: NORLARTIC		Site #:	32C/04-4
Location:	Township: Vassan	U.T.M.:	5336850m. N
	N.T.S.: 32C/04		277605m. E
Closest Community: Val-d'Or (15 Km); Malartic (10 Km)			
Minerals Mined: Au, Ag, py, cp, sp			
Host Rock: Microdiorite (Jacola formation)			
Maximum Depth: 425 meters		Ore Removed (x 1000):	1033 tonnes
Operating Period: 1959 - 1989 intermittently			
Underground Workings:	• Two shafts to a maximum depth of 425m • With a minimum of eight levels and galleries		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MARBAN			Site #:	32C/04-5
Location:	Township: Dubisson		U.T.M.:	5335600m. N
	N.T.S.: 32C/04			278340m. E
Closest Community: Dubuisson (10 Km)				
Minerals Mined: py, po, Au, Ag, cp				
Host Rock: Intermediate volcanite near peridotite (Malartic group)				
Maximum Depth:	259 meters	Ore Removed (x 1000):		1983 tonnes
Operating Period: 1961 - 1974				
Underground Workings:	●Shaft to a depth of 259 metres; galleries			
Information Sources: 1, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: LITTLE LONG LAC			Site #:	32C/04-8
Location:	Township: Dubuisson		U.T.M.:	5334860m. N
	N.T.S.: 32C/04			279200m. E
Closest Community: Dubuisson (7 Km) Val d'Or (12 Km)				
Minerals Mined: Au, Ag, py				
Host Rock: veins in diorite sills injected into chlorite and talc schist				
Maximum Depth:	meters	Ore Removed (x 1000):		25 tonnes
Operating Period: 1964 - 1966				
Underground Workings:	●Connects with galleries and elevator shaft from the Marban mine			
Information Sources: 1, 6				
Information Appended: Yes		Geothermal Potential: Unknown		

Mine Name: SISCOE			Site #:	32C/04-15
Location:	Township: Dubuisson		U.T.M.:	5335990m. N
	N.T.S.: 32C/04			286500m. E
Closest Community: Dubuisson (5 Km); Val d'Or (6 Km)				
Minerals Mined: Au, Ag, cp, py, po, sp, gn				
Host Rock: Granodiorite (Malartic group)				
Maximum Depth:	774 meters	Ore Removed (x 1000):		3300 tonnes
Operating Period: 1929 - 1949				
Underground Workings:	●Three vertical shafts to a maximum depth of 774m ●Two inclined shafts to a maximum depth of 155m ●Nineteen galleries			
Information Sources: 1, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: SULLIVAN			Site #:	32C/04-19
Location:	Township: Dubuisson		U.T.M.:	5334300m. N
	N.T.S.: 32C/04			288840m. E
Closest Community: Val d'Or (5 Km); Jacola (3 Km)				
Minerals Mined: Au, Ag, gn, sp, cp, py, po, mo				
Host Rock: Granodiorite (Bourlamaque batholith)				
Maximum Depth:	971 meters	Ore Removed (x 1000):		4613 tonnes
Operating Period: 1934 - 1967				
Underground Workings:	●One vertical shaft to a depth of 971m ●One inclined shaft to a depth of 948m ●Workings on twenty-eight levels			
Information Sources: 1, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: PERRON		Site #:	32C/04-33
Location:	Township: Pascalis	U.T.M.:	5337150m. N
	N.T.S.: 32C/04		310000m. E
Closest Community: Val d'Or (14 Km)			
Minerals Mined: Au, Ag, sh, cp, py, po			
Host Rock: Granodiorite (Bourlamaque batholith) near volcanics			
Maximum Depth: 686 meters		Ore Removed (x 1000):	1611 tonnes
Operating Period: 1936 - 1951			
Underground Workings:	• Four vertical shafts to a maximum depth of 686m • One inclined shaft to a depth of 94m • Several levels		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: RESENOR (El Coco)		Site #:	32C/04-34
Location:	Township: Pascalis	U.T.M.:	5338395m. N
	N.T.S.: 32C/04		309700m. E
Closest Community: Val d'Or (18 Km)			
Minerals Mined: Au, q			
Host Rock: granodiorite (Bourlamaque batholith) near volcanics			
Maximum Depth: 152 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1981 - 1982 intermittently			
Underground Workings:	• One vertical shaft to a depth of 152m • 3 levels with galleries		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: COURVAN (Beaufor)		Site #:	32C/04-35
Location:	Township: Pascalis	U.T.M.:	5336750m. N
	N.T.S.: 32C/04		309950m. E
Closest Community: Val d'Or (14 Km)			
Minerals Mined: Au, Ag, py, po, cp, mo, sh			
Host Rock: Granodiorite near volcanics (Bourlamaque batholith)			
Maximum Depth: meters		Ore Removed (x 1000):	106 tonnes
Operating Period: 1939 - 1942			
Underground Workings:	• One shaft with two levels • Galleries at levels 251m and 419m extended from the Perron mine.		
Information Sources: 1, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: BUSSIERES (Courvan)		Site #:	32C/04-36
Location:	Township: Louvicourt	U.T.M.:	5334095m. N
	N.T.S.: 32C/04		310975m. E
Closest Community: Val d'Or (20 Km)			
Minerals Mined: Au, Ag, py, cp			
Host Rock: Granodiorite (Bourlamaque batholith) near volcanics			
Maximum Depth: meters		Ore Removed (x 1000):	281 tonnes
Operating Period: 1932 - 1942			
Underground Workings:	• One shaft • Galleries on five levels		
Information Sources: 1, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MALARTIC GOLD FIELDS (No.1&2)		Site #:	32C/04-42
Location:	Township: Dubuisson	U.T.M.:	5333000m. N
	N.T.S.: 32C/04		276950m. E
Closest Community: Malartic (9 Km)			
Minerals Mined: Au, Ag, Py, asp, cp, gn			
Host Rock: Diorite, syenite porphyry			
Maximum Depth: 860 meters		Ore Removed (x 1000):	8958 tonnes
Operating Period: 1935 - 1965			
Underground Workings:	• Two vertical shafts to a maximum depth of 860m		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: SHAWKEY		Site #:	32C/04-49
Location:	Township: Dubuisson	U.T.M.:	5332525m. N
	N.T.S.: 32C/04		284900m. E
Closest Community: Val d'Or (7 Km)			
Minerals Mined: Au, po, cp, py			
Host Rock: Andesite and schist (Malartic Group) with dykes			
Maximum Depth: meters		Ore Removed (x 1000):	126 tonnes
Operating Period: 1936 - 1938			
Underground Workings:	• Shaft and galleries		
Information Sources: 1, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ECOLE			Site #:	32C/04-50
Location:	Township: Dubuisson		U.T.M.:	5331100m. N
	N.T.S.: 32C/04			285975m. E
Closest Community: Dubuisson (2 Km), Val d'Or (5 Km)				
Minerals Mined: Au, py, po, cp, mag, sp, bo				
Host Rock: Andesite (Malartic group) cut by feldspar porphyry				
Maximum Depth:	163 meters	Ore Removed (x 1000):		2 tonnes
Operating Period: 1938 - 1942				
Underground Workings:	• One vertical shaft to a depth of 163m • At least two levels with galleries and lateral workings. **Note:** Used as a mining school			
Information Sources: 1, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Unknown		

Mine Name: GOLDEX			Site #:	32C/04-51
Location:	Township: Dubuisson		U.T.M.:	5330300m. N
	N.T.S.: 32C/4			286050m. E
Closest Community: Val d'Or (4 Km)				
Minerals Mined: Au, cp, py				
Host Rock: veins in fractured granodiorite				
Maximum Depth:	457 meters	Ore Removed (x 1000):		6 (?) tonnes
Operating Period: 1971 - 1980 intermittently				
Underground Workings:	• One decline with a length of 732m • One shaft to a depth of 457m with three levels			
Information Sources: 1, 2, 3, 5				
Information Appended: No		Geothermal Potential: Yes		

Mine Name: JACOLA (Stabell)		Site #:	32C/04-55
Location:	Township: Dubuisson	U.T.M.:	5332350m. N
	N.T.S.: 32C/04		289940m. E
Closest Community: Val d'Or (2 Km)			
Minerals Mined: Au, Ag, sp, cp, py, telleurides			
Host Rock: veins at contact between Bourlamaque batholith and volcanics			
Maximum Depth: 313 meters		Ore Removed (x 1000):	65 tonnes
Operating Period: 1923 - 1939 intermittently			
Underground Workings:	• Two shafts to maximum depth 313m with eight levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: LAMAQUE		Site #:	32C/04-57
Location:	Township: Bourlamaque	U.T.M.:	5330206m. N
	N.T.S.: 32C/104		294100m. E
Closest Community: Val d'Or (0 Km)			
Minerals Mined: Au, Ag, py, cp, sh, gn, sp, bs, asp			
Host Rock: granodiorite and diorite cutting volcanics (Malartic)			
Maximum Depth: 1722 meters		Ore Removed (x 1000):	23698 tonnes
Operating Period: 1935 - 1985			
Underground Workings:	• At least seven shafts • Several winzes to a maximum depth of 1722m • Numerous levels with galleries connected to the shafts and winzes • Large galleries at depth of 457m, 732m and 1097m		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: EAST SULLIVAN (Sullico)		Site #:	32C/04-64
Location:	Township: Bourlamaque	U.T.M.:	5327575m. N
	N.T.S.: 32C/04		298000m. E
Closest Community: Val d'Or (7 Km)			
Minerals Mined: cp, Ag, py, po, gn, asp			
Host Rock: Altered volcanic adjacent to rhyolite, tuff and agglomerate			
Maximum Depth: 1219 meters		Ore Removed (x 1000):	14952 tonnes
Operating Period: 1949 - 1966			
Underground Workings:	• One vertical shaft to a maximum depth of 1219m, with several levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MANITOU-BARVUE		Site #:	32C/04-76
Location:	Township: Bourlamaque	U.T.M.:	5329040m. N
	N.T.S.: 32C/04		305675m. E
Closest Community: Val d'or (13 Km)			
Minerals Mined: cp, sp, Au, gn, Ag, py, asp			
Host Rock: Acid pyroclastics, andesite			
Maximum Depth: 999 meters		Ore Removed (x 1000):	11264 tonnes
Operating Period: 1942 - 1971 intermittently			
Underground Workings:	• One vertical shaft to 999m, with several levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DURAINE (Puits 1)		Site #:	32C/04-80
Location:	Township: Louvicourt	U.T.M.:	5327550m. N
	N.T.S.: 32C/04		308640m. E
Closest Community: Val d'Or (18 Km)			
Minerals Mined: cp, Au, Ag, py, sp			
Host Rock: Acid pyrolastics near rhyolite and diorite sill			
Maximum Depth: 346 meters		Ore Removed (x 1000):	254 tonnes
Operating Period: 1956 - 1958			
Underground Workings:	• Two shafts to a maximum depth of 346m with twelve levels		
Information Sources: 1, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: LOUVICOURT GOLD FIELDS		Site #:	32C/04-81
Location:	Township: Louvicourt	U.T.M.:	5326405m. N
	N.T.S.: 32C/04		308880m. E
Closest Community: Val d'Or (21 Km)			
Minerals Mined: Au, Ag, py, cp, sp, sh, po			
Host Rock: Veins in diorite dykes and feldspar porphyry dykes			
Maximum Depth: 297 meters		Ore Removed (x 1000):	239 tonnes
Operating Period: 1947 - 1949			
Underground Workings:	• One vertical shaft to a depth of 297m, with seven levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: D'OR VAL (Beacon 1 & 2)			Site #:	32C/04-82
Location:	Township: Louvicourt		U.T.M.:	5331050m. N
	N.T.S.: 32C/04			310250m. E
Closest Community: Val d'Or (17 Km)				
Minerals Mined: Au, Ag, cp, py, telluride				
Host Rock: Granodiorite (Bourlamaque batholith) near volcanics				
Maximum Depth:	137 meters	Ore Removed (x 1000):		159,000 tonnes
Operating Period: 1987 - 1988 intermittently				
Underground Workings:	•Three shafts; main shaft to a depth of 455m •Lateral development at seven levels (at 70m, 130m, 170m, 240m, 300m, 360m, and 430m) **Note:** This mine will be used as a source of geothermal energy to heat the CANMET mining research laboratory.			
Information Sources: 1, 2, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: LOUVEM (Old shaft)			Site #:	32C/04-85
Location:	Township: Louvicourt		U.T.M.:	5330325m. N
	N.T.S.: 32C/04			312790m. E
Closest Community: Val d'Or (21 Km)				
Minerals Mined: cp, py, Ag, sp, Au, gn				
Host Rock: Acid pyroclastics adjacent to volcanics				
Maximum Depth:	meters	Ore Removed (x 1000):		1814 tonnes
Operating Period: 1970 - 1981				
Underground Workings:	•One shaft, several levels			
Information Sources: 1, 3, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: MID-CANADA (and Orenada No.4)		Site #:	32C/04-89
Location:	Township: Bourlamaque	U.T.M.:	5325900m. N
	N.T.S.: 32C/04		297800m. E
Closest Community: Val d'Or (8 Km)			
Minerals Mined: Au, cp, Ag, py, mag, po			
Host Rock: Volcanics, chlorite schist, fractured diorite			
Maximum Depth: 53 meters		Ore Removed (x 1000):	72 tonnes
Operating Period: 1981 - (?)			
Underground Workings:	• One shaft to a depth of 53m • Mined in part by open pit		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: AKASABA		Site #:	32C/04-93
Location:	Township: Louvicourt	U.T.M.:	5324400m. N
	N.T.S.: 32C/04		308950m. E
Closest Community: Val d'Or (18 Km)			
Minerals Mined: Au, Ag, po, cp. sp			
Host Rock: Diorite - gabbro (Upper Malartic group)			
Maximum Depth: 98 meters		Ore Removed (x 1000):	262 tonnes
Operating Period: 1960 - 1963			
Underground Workings:	• One vertical shaft to a maximum depth of 98m with two levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: QUEBEC LITHIUM			Site #:	32C/05-21
Location:	Township: Lacorne		U.T.M.:	5365600m. N
	N.T.S.: 32C/05			292100m. E
Closest Community: Barraute (17 Km)				
Minerals Mined: spd				
Host Rock: pegmatite dykes cutting granodiorite and volcanics				
Maximum Depth:	146 meters	Ore Removed (x 1000):		934 tonnes
Operating Period: 1956 - 1965				
Underground Workings:	● One vertical shaft to a depth of 146m with galleries on four levels			
Information Sources: 1, 2, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: MOLYBDENITE CORPORATION			Site #:	32C/05-47
Location:	Township: Lacorne		U.T.M.:	5352445m. N
	N.T.S.: 32C/05			277910m. E
Closest Community: St. Benoit Lacorne (8 Km) Vassan (8 Km)				
Minerals Mined: mo, bs, py, po				
Host Rock: Pegmatite dykes in granodiorite stock				
Maximum Depth:	330 meters	Ore Removed (x 1000):		3829 tonnes
Operating Period: 1929 - 1972 intermittently				
Underground Workings:	● One inclined shaft to a depth of 330m			
Information Sources: 1, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: BARVUE (Abcourt)		Site #:	32C/12-37
Location:	Township: Barraute	U.T.M.:	5377625m. N
	N.T.S.: 32C/12		302370m. E
Closest Community: Barraute (8 Km)			
Minerals Mined: sp, Ag, py, po, gn, asp			
Host Rock: Siliceous or intermediate pyroclastics			
Maximum Depth: 150 meters		Ore Removed (x 1000):	5081 tonnes
Operating Period: 1952 - 1957			
Underground Workings:	• One inclined shaft to a depth of 150m • Mined in part by open pit		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: THOMPSON CADILLAC		Site #:	32D/01-5
Location:	Township: Cadillac	U.T.M.:	5345310m. N
	N.T.S.: 32D/01		692100m. E
Closest Community: Cadillac (2 Km)			
Minerals Mined: Au, asp, po, py			
Host Rock: Veins in conglomerate and porphyritic basalt			
Maximum Depth: 341 meters		Ore Removed (x 1000):	159 tonnes
Operating Period: 1936 - 1939			
Underground Workings:	• Two vertical shafts to a depth of 341m		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DARIUS (O'Brien) (Novamin)		Site #:	32D/01-6
Location:	Township: Cadillac	U.T.M.:	5345350m. N
	N.T.S.: 32D/01		692790m. E
Closest Community: Cadillac (2 Km)			
Minerals Mined: Au, py, asp, cp, po, gn			
Host Rock: veins in prophyritic basalt and conglomerate			
Maximum Depth: 1051 meters		Ore Removed (x 1000):	1149 tonnes
Operating Period: 1926 - 1980 intermittently			
Underground Workings:	• Three vertical shafts to a maximum depth of 621m • One inclined shaft to a depth of 1051m • Galleries		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: CENTRAL CADILLAC (Wood Cadillac)		Site #:	32D/01-8
Location:	Township: Cadillac	U.T.M.:	5345500m. N
	N.T.S.: 32D/01		696645m. E
Closest Community: Cadillac (3 Km)			
Minerals Mined: Au, Ag, sh, py, sp			
Host Rock: basaltic tuff			
Maximum Depth: 305 meters		Ore Removed (x 1000):	582 tonnes
Operating Period: 1939 - 1949 intermittently			
Underground Workings:	• Four vertical shafts to a depth of 305m • Workings extending over a length of 1372m		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: PANDORA (No.3) (No.4) (No.2)		Site #:	32D/01-11
Location:	Township: Cadillac	U.T.M.:	5345670m. N
	N.T.S.: 32D/01		698350m. E
Closest Community: Cadillac (5 Km)			
Minerals Mined: Au, asp, py, po			
Host Rock: Veins in greywacke and quartz feldspar porphyry			
Maximum Depth: 260 meters		Ore Removed (x 1000):	178 tonnes
Operating Period: 1939 - 1942			
Underground Workings:	• Three vertical shafts to a maximum depth of 260m • At least four levels with lateral advances up to 1219m		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: LAPA-CADILLAC (Zulapa)		Site #:	32/01-17
Location:	Township: Cadillac	U.T.M.:	5344200m. N
	N.T.S.: 32D/01		702762m. E
Closest Community: Cadillac (9 Km)			
Minerals Mined: Au, py, asp, po			
Host Rock: Veins in tuff, albitite and schist			
Maximum Depth: 215 meters		Ore Removed (x 1000):	366 tonnes
Operating Period: 1938 - 1943			
Underground Workings:	• One shaft to a depth of 215m with five levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name:PAN CANADIAN NO.1 (West Malartic)		Site #:	32D/01-34
Location:	Township: Cadillac	U.T.M.:	5339750m. N
	N.T.S.: 32D/01		705799m. E
Closest Community: Malartic (8 Km)			
Minerals Mined: Au, Ag, py, po, asp, cp, mo			
Host Rock: Veins in talc-chlorite schist, basalt, albite porphyry			
Maximum Depth: 375 meters		Ore Removed (x 1000):	280 tonnes
Operating Period: 1942 - 1946			
Underground Workings:	●One vertical shaft to a depth of 375m with nine levels ●One vertical shaft to a depth of 220m with at least two levels ●With a maximum lateral extent of 610m		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name:CANADIAN MALARTIC (Goldie)		Site #:	32D/01-40
Location:	Township: Fourniere	U.T.M.:	5334550m. N
	N.T.S.: 32D/01		713440m. E
Closest Community: Malartic (0 Km)			
Minerals Mined: Au, Ag, telluride, cp, sp, gn, mo			
Host Rock: Veins in greywacke and syenite porphyry			
Maximum Depth: 530 meters		Ore Removed (x 1000):	9939 tonnes
Operating Period: 1935 - 1965			
Underground Workings:	●Two vertical shafts to depths of 259m and 243m ●One inclined shaft to a depth of 530m ●Extensive underground workings ●Small open pit operation		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: BARNAT			Site #:	32D/01-41
Location:	Township: Fourniere		U.T.M.:	5334960m. N
	N.T.S.: 32D/01			715250m. E
Closest Community: Malartic (0 Km)				
Minerals Mined: Au, Ag, py, po, cp, mag, sp, gn, telluride				
Host Rock: Diorite, syenite porphyry				
Maximum Depth:	707 meters	Ore Removed (x 1000):		8454 tonnes
Operating Period: 1938 - 1977 intermittently				
Underground Workings:	●Three shafts at depth of 365m, 538m and 707m			
Information Sources: 1, 3, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: EAST MALARTIC			Site #:	32D/01-42
Location:	Township: Fourniere		U.T.M.:	5334550m. N
	N.T.S.: 32D/01			715780m. E
Closest Community: Malartic (1 Km)				
Minerals Mined: Au, Ag, py, po, cp, mag, sp, gn, asp				
Host Rock: Veins in shears of sedimentary rocks (Pontiac group)				
Maximum Depth:	550 meters	Ore Removed (x 1000):		17948 tonnes
Operating Period: 1938 - 1983				
Underground Workings:	●Three vertical shafts at 117m, 117m and 550m ●Inclined shaft ●Numerous galleries for a total of 61900m			
Information Sources: 1, 3, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: MCWATTERS		Site #:	32D/02-9
Location:	Township: Rouyn	U.T.M.:	5341850m. N
	N.T.S.: 32D/02		655520m. E
Closest Community: Rouyn (5 Km)			
Minerals Mined: Au, Ag, telluride, py, sh, asp, po, mo, gn, sp			
Host Rock: Greywacke, conglomerate, iron formation			
Maximum Depth: 457 meters		Ore Removed (x 1000):	334 tonnes
Operating Period: 1934 - 1944			
Underground Workings:	• One shaft to a depth of at least 457m with three levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: NEW ROUYN-MERGER-1		Site #:	32D/02-11
Location:	Township: Rouyn	U.T.M.:	5342100m. N
	N.T.S.: 32D/02		658000m. E
Closest Community: Rouyn (4 Km)			
Minerals Mined: Au, py, sh, cp			
Host Rock: greywacke, conglomerate (Pontiac group)			
Maximum Depth: 299 meters		Ore Removed (x 1000):	119 tonnes
Operating Period: 1948 - 1949			
Underground Workings:	• Inclined shaft at a depth of 299m with six levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: HEVA			Site #:	32D/02-20
Location:	Township: Joannes		U.T.M.:	5343305m. N
	N.T.S.: 32D/02			664890m. E
Closest Community: Rouyn (4 Km)				
Minerals Mined: Au, Ag, py, mo, asp, cp, po				
Host Rock: greywacke (Cadillac group)				
Maximum Depth:	697 meters	Ore Removed (x 1000):		36 tonnes
Operating Period: 1951 - 1952				
Underground Workings:	• One inclined shaft to a depth of 697m with three levels • Up to 792m of lateral drifting • One shaft to a depth of 227m with drifting.			
Information Sources: 1, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: HOSCO			Site #:	32D/02-22
Location:	Township: Joannes		U.T.M.:	5343650m. N
	N.T.S.: 32D/02			668350m. E
Closest Community: Rouyn (8 Km)				
Minerals Mined: Au, Ag, asp, py, po, cp, sp, gn				
Host Rock: Greywacke (Cadillac group)				
Maximum Depth:	124 meters	Ore Removed (x 1000):		46 tonnes
Operating Period: 1948 - 1949				
Underground Workings:	• One inclined shaft 162m long with three compartments and two levels • Decline 484m long with 556m lateral drifting			
Information Sources: 1, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: FRANCOEUR		Site #:	32D/03-14
Location:	Township: Beauchastel	U.T.M.:	5340400m. N
	N.T.S.: 32D/03		627645m. E
Closest Community: Rouyn (18 Km) Arntfield (0 Km)			
Minerals Mined: Au, Ag, py, hem			
Host Rock: rhyolite, andesite (Blake River group)			
Maximum Depth: 377 (?) meters		Ore Removed (x 1000):	518 tonnes
Operating Period: 1938 - 1947			
Underground Workings:	• Two inclined shafts to a depth of 183m and 377m		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ARNTFIELD (Shafts 1, 2 and 3)		Site #:	32D/03-19
Location:	Township: Beauchastel	U.T.M.:	5340280m. N
	N.T.S.: 32D/03		628800m. E
Closest Community: Rouyn (20 Km) Arntfield (1 Km)			
Minerals Mined: Au, Ag, py, cp, hem			
Host Rock: agglomerate, tuff, andesite, diorite, quartzo-feldspathic porphyry			
Maximum Depth: 328 meters		Ore Removed (x 1000):	480 tonnes
Operating Period: 1935 - 1942			
Underground Workings:	• Shaft to a depth of 76m with levels at 18m, 46m, and 76m • Shaft to a depth of 328m with 9 levels • Shaft to a depth of 305m with 5 levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ALDERMAC (West Wasa)			Site #:	32D/03-22
Location:	Township: Beauchastel		U.T.M.:	5342045m. N
	N.T.S.: 32D/03			631360m. E
Closest Community: Arntfield (3 Km) Rouyn (15 Km)				
Minerals Mined: cp, sp, Au, Ag, py, po, mag				
Host Rock: tuffs and agglomerates (Blake River group)				
Maximum Depth:	495 meters	Ore Removed (x 1000):		1879 tonnes
Operating Period: 1932 - 1943				
Underground Workings:	• One vertical shaft to a depth of 495m with a minimum of six levels			
Information Sources: 1, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: WASAMAC 1			Site #:	32D/03-24
Location:	Township: Beauchastel		U.T.M.:	5341115m. N
	N.T.S.: 32D/03			633875m. E
Closest Community: Rouyn (13 Km)				
Minerals Mined: Au, py				
Host Rock: rhyolitic agglomerate (Blake River group)				
Maximum Depth:	384 meters	Ore Removed (x 1000):		1899 tonnes
Operating Period: 1965 - 1971				
Underground Workings:	• One shaft to a depth of 384m with a mimimum of seven levels			
Information Sources: 1, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: SENATOR ROUYN		Site #:	32D/03-42
Location:	Township: Rouyn	U.T.M.:	5343710m. N
	N.T.S.: 32D/03		644255m. E
Closest Community: Rouyn (1 Km)			
Minerals Mined: Au, Ag, py, cp			
Host Rock: diorite (Blake River group)			
Maximum Depth: 845 meters		Ore Removed (x 1000):	1633 tonnes
Operating Period: 1940 - 1955			
Underground Workings:	• One vertical shaft to a depth of 845m with twenty levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: CHADBOURNE		Site #:	32D/03-46
Location:	Township: Rouyn	U.T.M.:	5345280m. N
	N.T.S.: 32D/03		646025m. E
Closest Community: Noranda (1 Km)			
Minerals Mined: Au, Ag, py, cp, gn			
Host Rock: rhyolite, andesite, diorite			
Maximum Depth: (?) 47 meters		Ore Removed (x 1000):	147 tonnes
Operating Period: 1979 - 1986			
Underground Workings:	• One vertical shaft to 47m (?) with galleries		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: STADACONA - EST		Site #:	32D/03-48
Location:	Township: Rouyn	U.T.M.:	5341850m. N
	N.T.S.: 32D/03		646230m. E
Closest Community: Rouyn (1 Km)			
Minerals Mined: Au, Ag, py, asp, cp, gn			
Host Rock: rhyolite, andesite, diorite			
Maximum Depth: 1253 meters		Ore Removed (x 1000):	2742 tonnes
Operating Period: 1936 - 1958			
Underground Workings:	● One vertical shaft to 1253m		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: GRANADA		Site #:	32D/03-74
Location:	Township: Rouyn	U.T.M.:	5337750m. N
	N.T.S.: 32D/03		646780m. E
Closest Community: Granada (2 Km) Rouyn (6 Km)			
Minerals Mined: Au, Ag, py, asp, gn, sp, mo			
Host Rock: conglomerate, syenitic porphyry, greywacke			
Maximum Depth: meters		Ore Removed (x 1000):	165 tonnes
Operating Period: 1930 - 1935			
Underground Workings:	● Two shafts with 7924m of lateral advances on thirteen levels		
Information Sources: 1, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: BEAUDRY (Odyno) (Norzone)		Site #:	32D/03-90
Location:	Township: Montbeillard	U.T.M.:	5331800m. N
	N.T.S.: 32D/03		635600m. E
Closest Community: Beaudry (3 Km) Rouyn (17 Km)			
Minerals Mined: sp, sc, gn, cp, py, Ag			
Host Rock: mica schist near amphibolite (Pontiac group)			
Maximum Depth: meters		Ore Removed (x 1000):	283 tonnes
Operating Period: 1952 - 1979 intermittently			
Underground Workings:	• One shaft with four levels		
Information Sources: 1, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DUQUESNE		Site #:	32D/06-16
Location:	Township: Destor	U.T.M.:	5370625m. N
	N.T.S.: 32D/06		645226m. E
Closest Community: Reneault (1 Km)			
Minerals Mined: Au, Ag, py, mag, cp			
Host Rock: quartzo-feldspathic porphyry (Blake River group)			
Maximum Depth: 381 meters		Ore Removed (x 1000):	82 tonnes
Operating Period: 1949 - 1952			
Underground Workings:	• One shaft to a depth of 381m with nine levels		
Information Sources: 1, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: PIERRE BEAUCHEMIN		Site #:	32D/06-37
Location:	Township: Duprat	U.T.M.:	5353090m. N
	N.T.S.: 32D/06		633240m. E
Closest Community: Rouyn (16 Km) Duprat (12 Km)			
Minerals Mined: Au, py			
Host Rock: granite (Blake River group)			
Maximum Depth: 325 meters		Ore Removed (x 1000):	651 tonnes
Operating Period: 1956 - 1962			
Underground Workings:	• One vertical shaft to 325m		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: WAITE		Site #:	32D/06-43
Location:	Township: Duprat	U.T.M.:	5355621m. N
	N.T.S.: 32D/06		641473m. E
Closest Community: Rouyn (12 Km) Duprat (4 Km)			
Minerals Mined: cp, sp, Ag, Au, gn, py, po			
Host Rock: andesite, sericite-rhyolite porphyry (Blake River group)			
Maximum Depth: 390 meters		Ore Removed (x 1000):	1129 tonnes
Operating Period: 1928 - 1949			
Underground Workings:	• Two vertical shafts at depths of 235m and 390m with galleries		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: WAITE-AMULET-F		Site #:	32D/06-46
Location:	Township: Dufresnoy	U.T.M.:	5353260m. N
	N.T.S.: 32D/06		642315m. E
Closest Community: Rouyn (9 Km) Duprat (3 Km)			
Minerals Mined: cp, sp, Au, Ag			
Host Rock: contact zone between andesite and rhyolite (Blake River group)			
Maximum Depth: meters		Ore Removed (x 1000):	254 tonnes
Operating Period: 1930 - 1951			
Underground Workings:	• One vertical shaft		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: EAST WAITE		Site #:	32D/06-47
Location:	Township: Dufresnoy	U.T.M.:	5356061m. N
	N.T.S.: 32D/06		642481m. E
Closest Community: Rouyn (11 Km) Duprat (3 Km)			
Minerals Mined: cp, sp, Au, gn, py, tellurides			
Host Rock: contact zone between andesite and rhyolite (Blake River group)			
Maximum Depth: meters		Ore Removed (x 1000):	1361 tonnes
Operating Period: 1951 - 1961			
Underground Workings:	• One vertical shaft (depth and other workings unspecified)		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: Vauze		Site #:	32D/06-48
Location:	Township: Dufresnoy	U.T.M.:	5257895m. N
	N.T.S.: 32D/06		642045m. E
Closest Community: Rouyn (13 Km)			
Minerals Mined: cp, po, sp, Au, Ag, py, bo			
Host Rock: rhyolitic breccia, altered rhyolite (Blake River group)			
Maximum Depth: 236 meters		Ore Removed (x 1000):	350 tonnes
Operating Period: 1961 - 1965			
Underground Workings:	• One vertical shaft to a depth of 236m with five levels and galleries		
Information Sources: 1, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: NORBEC		Site #:	32D/06-50
Location:	Township: Dufresnoy	U.T.M.:	5357000m. N
	N.T.S.: 32D/06		644500m. E
Closest Community: Rouyn (11 Km)			
Minerals Mined: py, cp, sp, gn, Au, Ag, Cd			
Host Rock: rhyolite (Blake River group) near andesite			
Maximum Depth: meters		Ore Removed (x 1000):	3664 tonnes
Operating Period: 1964 - 1979			
Underground Workings:	• One shaft and four levels		
Information Sources: 1, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: QUESABE (Sunburst)		Site #:	32D/06-79
Location:	Township: Duprat	U.T.M.:	5350390m. N
	N.T.S.: 32D/06		632313m. E
Closest Community: Rouyn (15 Km)			
Minerals Mined: Au, Ag, cp, gn, hem, py			
Host Rock: silicified andesite and rhyolite (Blake River group)			
Maximum Depth: 320 meters		Ore Removed (x 1000):	89 tonnes
Operating Period: 1949 - 1952			
Underground Workings:	• Two vertical shafts at depths of 194m and 320m • With five levels and galleries		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: PEEL-ELDER		Site #:	32D/06-86
Location:	Township: Beauchastel	U.T.M.:	5349590m. N
	N.T.S.: 32D/06		638670m. E
Closest Community: Rouyn (9 Km)			
Minerals Mined: Au, sc, cp, gn, mo, hem, py			
Host Rock: veins cutting granite and granodiorite			
Maximum Depth: 793 meters		Ore Removed (x 1000):	1110 tonnes
Operating Period: 1946 - 1965			
Underground Workings:	• One inclined shaft (407m in length to a depth of 277m) with six levels • One vertical shaft to a depth of 793m with ten levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: CORBET			Site #:	32D/06-93
Location:	Township: Dufresnoy		U.T.M.:	5351260m. N
	N.T.S.: 32D/06			642260m. E
Closest Community: Rouyn (7 Km)				
Minerals Mined: py, cp, sp, po, Au, Ag				
Host Rock: chloritised acid pyroclastic between rhyolite and andesite				
Maximum Depth: meters		Ore Removed (x 1000):		1383 tonnes
Operating Period: 1979 - 1986				
Underground Workings:	• Shaft			
Information Sources: 1, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: WAITE-AMULET (C, A, Bluff)			Site #:	32D/06-96
Location:	Township: Dufresnoy		U.T.M.:	5352320m. N
	N.T.S.: 32D/06			642680m. E
Closest Community: Rouyn (8 Km)				
Minerals Mined: cp, sp, Au, Ag, gn, py, po				
Host Rock: contact zone between andesite and rhyolite (Blake River group)				
Maximum Depth: meters		Ore Removed (x 1000):		5351 tonnes
Operating Period: 1930 - 1962				
Underground Workings:	• Two vertical shafts (unspecified depth) and galleries			
Information Sources: 1, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: NEW MARLON		Site #:	32D/06-99
Location:	Township: Rouyn	U.T.M.:	5347361m. N
	N.T.S.: 32D/06		643155m. E
Closest Community: Rouyn (3 Km)			
Minerals Mined: py, Au, Ag, cp			
Host Rock: veins cutting granite-diorite intrusions and mafic dyke			
Maximum Depth: 230 meters		Ore Removed (x 1000):	98 tonnes
Operating Period: 1947 - 1949			
Underground Workings:	• One vertical shaft at a depth of 230m with six levels		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DON ROUYN		Site #:	32D/06-102
Location:	Township: Rouyn	U.T.M.:	5345729m. N
	N.T.S.: 32D/06		643460m. E
Closest Community: Rouyn (2 Km)			
Minerals Mined: py, cp, bo, sc			
Host Rock: silica rich phase of the Powell granite			
Maximum Depth: (?) 33 meters		Ore Removed (x 1000):	5179 tonnes
Operating Period: 1956 - 1980			
Underground Workings:	• One vertical shaft to a depth of 33m with galleries • Also open pit extraction • Production extent of each unknown		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: POWELL-ROUYN-1		Site #:	32D/06-103
Location:	Township: Rouyn	U.T.M.:	5347152m. N
	N.T.S.: 32D/06		544671m. E
Closest Community: Rouyn (2 Km)			
Minerals Mined: py, Au, Ag, cp			
Host Rock: veins in factures of the Powell granite			
Maximum Depth: 978 meters		Ore Removed (x 1000):	2715 tonnes
Operating Period: 1937 - 1955			
Underground Workings:	• One inclined shaft to a depth of 152m with three levels • One vertical shaft to depth of 786m with sixteen levels • One vertical shaft to a depth of 110m with two levels • One winze from 747m to 978m with four lowest levels		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MILLENBACH		Site #:	32D/06-104
Location:	Township: Dufresnoy	U.T.M.:	5351345m. N
	N.T.S.: 32D/06		644345m. E
Closest Community: Boisvert (1 Km) Rouyn (6 Km)			
Minerals Mined: cp, sp, Au, Ag			
Host Rock: andesitic and rhyolitic breccias			
Maximum Depth: 1213 meters		Ore Removed (x 1000):	3423 tonnes
Operating Period: 1971 - 1981			
Underground Workings:	• One shaft to a depth of 1213m • Galleries and eleven levels		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ANGLO-ROUYN		Site #:	32D/06-105
Location:	Township: Rouyn	U.T.M.:	5348280m. N
	N.T.S.: 32D/06		644600m. E
Closest Community: Rouyn (3 Km)			
Minerals Mined: Au, Ag, py, cp			
Host Rock: veins in pillowed andesite and granite (Powell)			
Maximum Depth: 282 meters		Ore Removed (x 1000):	132 tonnes
Operating Period: 1948 - 1951			
Underground Workings:	• Two inclined shafts at depths of 10m and 282m • One vertical shaft to a depth of 13m • Levels with galleries		
Information Sources: 1, 2, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: JOLIET QUEBEC		Site #:	32D/06-110
Location:	Township: Rouyn	U.T.M.:	5347320m. N
	N.T.S.: 32D/06		646805m. E
Closest Community: Rouyn (1 Km)			
Minerals Mined: cp, Au, Ag, py, sc			
Host Rock: pyroclastics and volcanics (Blake River group)			
Maximum Depth: 305 meters		Ore Removed (x 1000):	2080 tonnes
Operating Period: 1949 - 1974 intermittently			
Underground Workings:	• One vertical shaft to a depth of 305m • Four levels with galleries • One shallow shaft of 15m		
Information Sources: 1, 2, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: HORNE (Remnor)			Site #:	32D/06-111
Location:	Township: Rouyn		U.T.M.:	5346151m. N
	N.T.S.: 32D/06			647604m. E
Closest Community: Rouyn (0 Km)				
Minerals Mined: cp, Au, Ag, py, po, sp				
Host Rock: felsic volcanics and pyroclastics (Blake River group)				
Maximum Depth:	2440 meters	Ore Removed (x 1000):		53706 tonnes
Operating Period: 1927 - 1976				
Underground Workings:	●Six shafts to a maximum depth of 2440m ●Numerous levels, galleries and underground development			
Information Sources: 1, 2, 3, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: QUEMONT			Site #:	32D/06-112
Location:	Township: Rouyn		U.T.M.:	5346774m. N
	N.T.S.: 32D/06			647842m. E
Closest Community: Rouyn (1 Km)				
Minerals Mined: cp, sp, Au, Ag, py, po, mag				
Host Rock: massive rhyolite, rhyolite breccias, acid tuff (Blake River group)				
Maximum Depth:	1259 meters	Ore Removed (x 1000):		13920 tonnes
Operating Period: 1949 - 1971				
Underground Workings:	●Vertical shaft to a depth of 272m with seventeen galleries ●Vertical shaft to a depth of 1259m with twenty-nine levels and galleries ●One vertical shaft to a depth of 61m			
Information Sources: 2, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: YVAN VEZINA (Destor) (Thurbois)		Site #:	32D/07-3
Location:	Township: Destor	U.T.M.:	5371400m. N
	N.T.S.: 32D/07		652245m. E
Closest Community: Rouyn (25 Km) Destor (2 Km)			
Minerals Mined: Au, Ag, py			
Host Rock: diorite-andesite (Blake River group)			
Maximum Depth: 183 meters		Ore Removed (x 1000):	1095 tonnes
Operating Period: 1983 - 1988			
Underground Workings:	• Shaft to a depth of 183m		
Information Sources: 1, 2, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: GALLEN (West McDonald)		Site #:	32D/07-23
Location:	Township: Dufresnoy	U.T.M.:	5354253m. N
	N.T.S.: 32D/07		651833m. E
Closest Community: Clericy (7 Km)			
Minerals Mined: sp, cp, Ag, Au, py, gn			
Host Rock: contact between granodiorite and rhyolitic breccia			
Maximum Depth: 290 meters		Ore Removed (x 1000):	1683 tonnes
Operating Period: 1955 - 1985 intermittently			
Underground Workings:	• One vertical shaft to a depth of 290m with 4449m of galleries		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DONALDA		Site #:	32D/07-43
Location:	Township: Rouyn	U.T.M.:	5347225m. N
	N.T.S.: 32D/07		649450m. E
Closest Community: Rouyn (2 Km)			
Minerals Mined: Au, Ag, py, cp, sp, gn			
Host Rock: rhyolite (Blake River group)			
Maximum Depth: 780 meters		Ore Removed (x 1000):	710 tonnes
Operating Period: 1948 - 1971 intermittently			
Underground Workings:	• One vertical shaft to a depth of 780m, with galleries on several levels		
Information Sources: 1, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DELBRIDGE NO.2		Site #:	32D/07-45
Location:	Township: Rouyn	U.T.M.:	5347160m. N
	N.T.S.: 32D/07		651000m. E
Closest Community: Rouyn (4 Km)			
Minerals Mined: py, sp, cp, Au, Ag, gn			
Host Rock: pyroclastic breccia (Blake River group)			
Maximum Depth: meters		Ore Removed (x 1000):	360 tonnes
Operating Period: 1969 - 1971			
Underground Workings:	• Underground workings (unspecified extent and depth) carried out from lateral advances of the Eldona No.1 workings (32D/07-47)		
Information Sources: 1, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ELDONA NO.1		Site #:	32D/07-47
Location:	Township: Rouyn	U.T.M.:	5347518m. N
	N.T.S.: 32D/07		651090m. E
Closest Community: Rouyn (4 Km)			
Minerals Mined: py, sp, cp, Au, Ag, gn			
Host Rock: rhyolite (Blake River group)			
Maximum Depth: 455 meters		Ore Removed (x 1000):	78 tonnes
Operating Period: 1951 - 1952			
Underground Workings:	• One vertical shaft to a depth of 455m with eight levels • Connects with underground workings of Delbridge No.2 mine		
Information Sources: 1, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MIC-MAC (Mouska)		Site #:	32D/07-67
Location:	Township: Bousquet	U.T.M.:	5349362m. N
	N.T.S.: 32D/07		681350m. E
Closest Community: Joannes (12 Km) Cadillac (14 Km)			
Minerals Mined: py, po, cp. Au, Ag			
Host Rock: andesite, pyroclastic and mafic (Blake River group)			
Maximum Depth: 411 meters		Ore Removed (x 1000):	723 tonnes
Operating Period: 1942 - 1947			
Underground Workings:	• One vertical shaft and winze to a depth of 411m with six levels		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MOOSHLA-A		Site #:	32D/07-68
Location:	Township: Bousquet	U.T.M.:	5347975
	N.T.S.: 32D/07		682450
Closest Community: Cadillac (13 Km) Joannes (12 Km)			
Minerals Mined: Au, Ag, py, po, cp, sp, gn			
Host Rock: sericitized granite			
Maximum Depth: 113 meters		Ore Removed (x 1000):	4 tonnes
Operating Period: 1939 - 1940			
Underground Workings:	• Two vertical shafts to depths of 16m and 113m • With three compartments and two levels		
Information Sources: 1, 2, 5, 6			
Information Appended: Yes		Geothermal Potential: Unlikely	

Mine Name: PREISSAC MOLYBDENITE		Site #:	32D/08-31
Location:	Township: Preissac	U.T.M.:	5357855m. N
	N.T.S.: 32D/08		692700m. E
Closest Community: Cadillac (13 Km) Preissac (8 Km)			
Minerals Mined: mo, py, cp, bs			
Host Rock: pegmatite dykes cutting the Preissac granite batholith			
Maximum Depth: 410 meters		Ore Removed (x 1000):	2236 tonnes
Operating Period: 1943 - 1971 intermittently			
Underground Workings:	• One vertical shaft to a depth of 410m • At least eight levels with galleries • One decline 150m long to a depth of 47m		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ANGLO AMERICAN		Site #:	32D/08-34
Location:	Township: Preissac	U.T.M.:	5354850m. N
	N.T.S.: 32D/08		694100m. E
Closest Community: Cadillac (10 Km) Preissac (10 Km)			
Minerals Mined: mo, bs, py			
Host Rock: quartz pegmatite dykes at contact granite-peridotite			
Maximum Depth: 235 meters		Ore Removed (x 1000):	1761 tonnes
Operating Period: 1965 - 1970			
Underground Workings:	• One vertical shaft to a depth of 235m with five levels and galleries • Also open pit mining • Proportion of production from open pit and underground not specified		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MARBRIDGE		Site #:	32D/08-39
Location:	Township: La Motte	U.T.M.:	5358405m. N
	N.T.S.: 32D/08		708085m. E
Closest Community: Malartic (22 Km)			
Minerals Mined: millerite, pentlandite, violairte, po, py, cp, sup, tr, ak, mag, tk			
Host Rock: ultramafic adjacent to biotite schist			
Maximum Depth: 430 meters		Ore Removed (x 1000):	703 tonnes
Operating Period: 1962 - 1968			
Underground Workings:	• One vertical shaft to a depth of 430m with nine levels and galleries • One vertical shaft to a depth of 236m		
Information Sources: 1, 2, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: LYNDHURST		Site #:	32D/10-12
Location:	Township: Destor	U.T.M.:	5381690m. N
	N.T.S.: 32D/10		650500m. E
Closest Community: Duparquet (22 Km) Poularies (10 Km)			
Minerals Mined: cp, py, po, Ag, Au, sp, gn			
Host Rock: silicified rhyolitic agglomerate			
Maximum Depth: 216 meters		Ore Removed (x 1000):	142 tonnes
Operating Period: 1956 - 1957			
Underground Workings:	● One vertical shaft to a depth of 216m, with five levels and galleries		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: BEATTIE AND DONCHESTER		Site #:	32D/11-19
Location:	Township: Duparquet	U.T.M.:	5374355m. N
	N.T.S.: 32D/11		630300m. E
Closest Community: Duparquet (1 Km)			
Minerals Mined: Au, Ag, py, asp, mo, mag			
Host Rock: tuff breccia, tuff (Kinojevis group)			
Maximum Depth: 620 meters		Ore Removed (x 1000):	9645 tonnes
Operating Period: 1933 - 1956			
Underground Workings:	● Two shafts to a maximum depth of 620m with six levels and galleries ● One winze to a depth of 327m with seven levels ● Glory hole		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: HUNTER		Site #:	32D/11-24
Location:	Township: Duparquet	U.T.M.:	5379045m. N
	N.T.S.: 32D/11		637000m. E
Closest Community: Duparquet (8 Km)			
Minerals Mined: cp, Ag, py			
Host Rock: acid volcanics, andesite (Blake River group)			
Maximum Depth: 244 meters		Ore Removed (x 1000):	117 tonnes
Operating Period: 1957			
Underground Workings:	●Two shafts to a maximum depth of 244m with four levels		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: NORMETAL (Normetmar)		Site #:	32D/14-5
Location:	Township: Des Meloizes	U.T.M.:	5428510m. N
	N.T.S.: 32D/14		619750m. E
Closest Community: Normetal (0 Km)			
Minerals Mined: py, sp, cp, po, Au, Ag, gn			
Host Rock: acid pyroclastics adjacent to andesite-basalt			
Maximum Depth: 987 meters		Ore Removed (x 1000):	10109 tonnes
Operating Period: 1937 - 1975			
Underground Workings:	●Three vertical shafts to depths of 91m, 274m and 987m ●Two shafts of unspecified depth		
Information Sources: 1, 2, 4, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DUVAN (Propriete Des Meloizes)		Site #:	32D/14-17
Location:	Township: Des Meloizes	U.T.M.:	5416125m. N
	N.T.S.: 32D/14		615355m. E
Closest Community: La Reine (6 Km) Dupuy (8 Km)			
Minerals Mined: bo, cp, Ag, py, mag, po			
Host Rock: veins in quartzite and greywacke (Kinojevis group)			
Maximum Depth: 305 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1960			
Underground Workings:	● One shaft to a depth of 305m with five levels and eight galleries		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: POIRIER		Site #:	32E/08-4
Location:	Township: Poirier	U.T.M.:	5479800m. N
	N.T.S.: 32E/08		689400m. E
Closest Community: Joutel (6 Km)			
Minerals Mined: py, po, cp, sp, Ag, mag			
Host Rock: rhyolite adjacent to rhyolite tuff			
Maximum Depth: 869 meters		Ore Removed (x 1000):	4837 tonnes
Operating Period: 1966 - 1975 intermittently			
Underground Workings:	● One vertical shaft to a depth of 869m with eighteen levels		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: JOUTEL COPPER			Site #:	32E/08-6
Location:	Township: Joutel		U.T.M.:	5480950m. N
	N.T.S.: 32E/08			691800m. E
Closest Community: Joutel (3 Km)				
Minerals Mined: py, po, cp, sp, Ag, mag				
Host Rock: rhyolite				
Maximum Depth:	328 meters	Ore Removed (x 1000):		1658 tonnes
Operating Period: 1967 - 1975				
Underground Workings:	• One shaft to a depth of 328m with two levels and galleries			
Information Sources: 1, 2, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: ESTRADES (Golden Hope)			Site #:	32E/10-16
Location:	Township: Estrades		U.T.M.:	5494675m. N
	N.T.S.: 32E/10			654400m. E
Closest Community: Joutel				
Minerals Mined: cp, sp, gn, Au, Ag				
Host Rock: quartz-sericite schist and volcanoclastic sediments				
Maximum Depth:	160 meters	Ore Removed (x 1000):		71 (1990) tonnes
Operating Period: 1990 - 1991				
Underground Workings:	• One decline to a depth of 160m (1300m long) with six levels			
Information Sources: 2, 3, 7				
Information Appended: No		Geothermal Potential: Yes		

Mine Name: LAC ROSE		Site #:	32F/07-15
Location:	Township: Currie	U.T.M.:	5469800m. N
	N.T.S.: 32F/07		368200m. E
Closest Community: Franquet (19 Km) Lebel-sur-Quevillon (37 Km)			
Minerals Mined: Au, cp, sp, py, po			
Host Rock: tuff and quartz diorite near volcanics			
Maximum Depth: meters		Ore Removed (x 1000):	5 tonnes
Operating Period: 1938 - 1939			
Underground Workings:	● One adit with two levels and winze		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Unlikely	

Mine Name: CONIAGAS		Site #:	32F/08-14
Location:	Township: La Sueur	U.T.M.:	5482850m. N
	N.T.S.: 32F/08		415375m. E
Closest Community: Desmaraisville (3 Km)			
Minerals Mined: sp, Ag, gn, py			
Host Rock: tuff and agglomerate (Gilman formation) near andesite			
Maximum Depth: 417 meters		Ore Removed (x 1000):	652 tonnes
Operating Period: 1961 - 1967			
Underground Workings:	● One vertical shaft to a depth of 417m with eight levels ● 1170m of lateral work		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: LAC BACHELOR (Sturgeon)		Site #:	32F/08-16
Location:	Township: La Sueur	U.T.M.:	5483325m. N
	N.T.S.: 32F/08		416950m. E
Closest Community: Desmaraisville (2 Km)			
Minerals Mined: Au, py, mag, Ag			
Host Rock: felsic tuff, agglomerate, rhyolite (Gilman formation)			
Maximum Depth: 563 meters		Ore Removed (x 1000):	807 tonnes
Operating Period: 1982 - 1988			
Underground Workings:	• One shaft to a maximum depth of 563m • With twelve levels and galleries		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MATAGAMI LAKE		Site #:	32F/12-8
Location:	Township: Galinee	U.T.M.:	5511000m. N
	N.T.S.: 32F/12		304000m. E
Closest Community: Matagami (8 Km)			
Minerals Mined: sp, cp, Ag, Au			
Host Rock: tuffite overlying basaltic/rhyolitic flows			
Maximum Depth: meters		Ore Removed (x 1000):	25646 tonnes
Operating Period: 1963 - 1988			
Underground Workings:	• Accessible from underground workings of the Matagami Mine		
Information Sources: 1, 3, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: ORCHAN			Site #:	32F/12-9
Location:	Township: Galinee		U.T.M.:	5509300m. N
	N.T.S.: 32F/12			304850m. E
Closest Community: Matagami (8 Km)				
Minerals Mined: py, sp, po, cp, Ag, Au, mag, gn				
Host Rock: tuff and schist				
Maximum Depth:	505 meters	Ore Removed (x 1000):		4514 tonnes
Operating Period: 1963 - 1982				
Underground Workings:	• One shaft to a depth of 505m with levels and galleries at 432m depth			
Information Sources: 1, 2, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: NEW HOSCO			Site #:	32F/13-22
Location:	Township: Daniel		U.T.M.:	5518850m. N
	N.T.S.: 32F/13			295900m. E
Closest Community: Matagami (15 Km)				
Minerals Mined: cp, sp, Au, Ag, py, po, mag				
Host Rock: chert, tuff and acid agglomerate near rhyolite				
Maximum Depth:	323 meters	Ore Removed (x 1000):		1827 tonnes
Operating Period: 1963 - 1970				
Underground Workings:	• One shaft to a depth of 323m • With nine levels and compartments at 320m			
Information Sources: 1, 2, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: NORITA CENTRE		Site #:	32F/13-27
Location:	Township: Isle-Dieu	U.T.M.:	5516850m. N
	N.T.S.: 32F/13		308600m. E
Closest Community: Matagami (3 Km)			
Minerals Mined: Au, Ag, py, po, mag			
Host Rock: chloritised tuff and agglomerate with carbonates			
Maximum Depth: 512 meters		Ore Removed (x 1000):	3632 tonnes
Operating Period: 1976 - 1991			
Underground Workings:	• One shaft to a depth of 512m with seven levels **Note:** The Norita Centre is closed, however, Norita East Zone is currently being developed from a lateral tunnel extension from the Norita Centre		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: GARON LAKE		Site #:	32F/13-32
Location:	Township: Isle-Dieu	U.T.M.:	5516050m. N
	N.T.S.: 32F/13		314925m. E
Closest Community: Matagami (5 Km)			
Minerals Mined: cp, sp, Au, Ag, po, py			
Host Rock: acid tuff and chert (Allard Group)			
Maximum Depth: 38 meters		Ore Removed (x 1000):	467 tonnes
Operating Period: 1972 - 1975			
Underground Workings:	• Decline with level at 38m • Galleries with lateral extent of 3703m		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: RADIORE 2 (or B)		Site #:	32F/13-33
Location:	Township: Isle-Dieu	U.T.M.:	5514100m. N
	N.T.S.: 32F/13		31550m. E
Closest Community: Matagami (4 Km)			
Minerals Mined: sp, po, cp, Au, Ag, py, mag			
Host Rock: tuff, breccia and chert underlying andesite			
Maximum Depth: meters		Ore Removed (x 1000):	140 tonnes
Operating Period: 1979 - 1980			
Underground Workings:	● One decline with a length of 460m		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: SHORT LAKE		Site #:	32G/12-15
Location:	Township: Grand	U.T.M.:	5495850m. N
	N.T.S.: 32G/12		m. E
Closest Community: Demaraisville (24 Km)			
Minerals Mined: Au, cp, py			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2114 tonnes
Operating Period: 1984 - 1991			
Underground Workings:	● Shaft to an approximate depth of 800m ● With several levels and galleries		
Information Sources: 1, 2, 7, 8, 9, 10			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: SPRINGER		Site #:	32G/15-61
Location:	Township: Levy	U.T.M.:	5514900m. N
	N.T.S.: 32G/15		509950m. E
Closest Community: Chapais (0 Km)			
Minerals Mined: cp, Au, Ag, mo, sh, bo, sp, gn			
Host Rock: Shear zones in gabbro sill (Ventures)			
Maximum Depth: meters		Ore Removed (x 1000):	11209 (1984) tonnes
Operating Period: 1954 - 1991			
Underground Workings:	• At least two shafts with galleries		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: PERRY		Site #:	32G/15-62
Location:	Township: Levy	U.T.M.:	5515100m. N
	N.T.S.: 32G/15		510575m. E
Closest Community: Chapais (0 Km)			
Minerals Mined: cp, Au, Ag, mo, sh, bo, sp, gn, py, po, hem, mag			
Host Rock: gabbro, pyroxenite			
Maximum Depth: meters		Ore Removed (x 1000):	8556 (1983) tonnes
Operating Period: 1966 - 1983			
Underground Workings:	• One shaft to a depth exceeding 496m (depth in 1959) with galleries		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ROBITAILLE		Site #:	32G/15-65
Location:	Township: Levy	U.T.M.:	5515875m. N
	N.T.S.: 32G/15		511850m. E
Closest Community: Chapais (2 Km)			
Minerals Mined: cp, Au, Ag, mo, sh, bo, sp, gn, li, py, po, hem, mag			
Host Rock: gabbro, pyroxenite			
Maximum Depth: 413 (?) meters		Ore Removed (x 1000):	188 tonnes
Operating Period: 1969 - 1973			
Underground Workings:	• One shaft to a depth of at least 413m, with several levels		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: COOKE		Site #:	32G/15-66
Location:	Township: Levy	U.T.M.:	5514855m. N
	N.T.S.: 32G/15		513100m. E
Closest Community: Chapais (3 Km)			
Minerals Mined: cp, Au, po, Ag			
Host Rock: Leuco-gabbro			
Maximum Depth: meters		Ore Removed (x 1000):	1084 (1983) tonnes
Operating Period: 1976 - 1989			
Underground Workings:	• Not specified		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

Mine Name: LAC GWILLIM		Site #:	32G/16-4
Location:	Township: McKenzie	U.T.M.:	5534100m. N
	N.T.S.: 32G/16		538950m. E
Closest Community: Chibougamau (7 Km)			
Minerals Mined: Au, Ag, py, cp			
Host Rock: mafic lava (Gilman formation) porphyritic rhyolite			
Maximum Depth: meters		Ore Removed (x 1000):	250 tonnes
Operating Period: 1974 - 1984 intermittently			
Underground Workings:	●Decline advanced 287m (1975) with further underground development (extent unspecified) ●Ramp driven 171m on second zone		
Information Sources: 1, 2, 4, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: NORBEAU		Site #:	32G/16-14
Location:	Township: McKenzie	U.T.M.:	5534100m. N
	N.T.S.: 32G/16		549800m. E
Closest Community: Chibougamau (6 Km)			
Minerals Mined: Au, Ag, cp, py, asp			
Host Rock: quartz gabbro sill (Bourbeau) and diorite			
Maximum Depth: meters		Ore Removed (x 1000):	380 tonnes
Operating Period: 1965 - 1969			
Underground Workings:	●One adit with a length of 310m ●One vertical shaft to a depth of 480m with ten levels		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: GRANDROY		Site #:	32G/16-25
Location:	Township: Roy	U.T.M.:	5531200m. N
	N.T.S.: 32G/16		557400m. E
Closest Community: Chibougamau (11 Km)			
Minerals Mined: cp, Au, mo, py, mag, hem			
Host Rock: granite (Chibougamau Pluton)			
Maximum Depth: meters		Ore Removed (x 1000):	349 tonnes
Operating Period: 1967 - 1975 intermittently			
Underground Workings:	• Decline of unknown extent producing 90,000t • Open pit producing 259,000t		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: KOKKO CREEK		Site #:	32G/16-44
Location:	Township: McKenzie	U.T.M.:	5525400m. N
	N.T.S.: 32G/16		547900m. E
Closest Community: Chibougamau (3 Km)			
Minerals Mined: cp, Au, py, po, sp, Au			
Host Rock: meta gabbroic anorthosite meta-gabbroic anorthosite			
Maximum Depth: 259 meters		Ore Removed (x 1000):	751 tonnes
Operating Period: 1960 - 1975			
Underground Workings:	• One shaft to a depth of 195m with five levels • Deeper mining operation via Campbell's original mine 122m level • Small open pit production		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: QUE CHIBOUGAMAU GOLDFIELDS		Site #:	32G/16-46
Location:	Township: McKenzie	U.T.M.:	5526100m. N
	N.T.S.: 32G/16		548150m. E
Closest Community: Chibougamau (3 Km)			
Minerals Mined: cp, Au, Ag, sp, py, po			
Host Rock: anorthosite (Lac Dore complex)			
Maximum Depth: 258 meters		Ore Removed (x 1000):	212 tonnes
Operating Period: 1963 - 1975 intermittently			
Underground Workings:	• One vertical shaft to a depth of 258m with five levels, one adit		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: CEDAR BAY		Site #:	32G/16-50
Location:	Township: McKenzie	U.T.M.:	5526750m. N
	N.T.S.: 32G/16		549625m. E
Closest Community: Chibougamau (4 Km)			
Minerals Mined: cp, Au, Ag, py, sp, po, asp			
Host Rock: anorthosite (Lac Dore complex)			
Maximum Depth: meters		Ore Removed (x 1000):	4211 (1984) tonnes
Operating Period: 1958 - 1990			
Underground Workings:	• Three shafts with levels and galleries		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: COPPER CLIFF			Site #:	32G/16-51
Location:	Township: McKenzie		U.T.M.:	5527550m. N
	N.T.S.: 32G/16			550050m. E
Closest Community: Chibougamau (4 Km)				
Minerals Mined: cp, Au				
Host Rock: altered gabbro				
Maximum Depth:	533 meters	Ore Removed (x 1000):		778 tonnes
Operating Period: 1970 - 1974				
Underground Workings:	● One vertical shaft to a depty of 533m, with seven levels and galleries			
Information Sources: 1, 2, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: JACULET			Site #:	32G/16-55
Location:	Township: McKenzie		U.T.M.:	5528500m. N
	N.T.S.: 32G/16			552050m. E
Closest Community: Chibougamau (4 Km)				
Minerals Mined: cp, Au, Ag, py, ch, sc				
Host Rock: gabbro, anorthosite (Lac Dore complex)				
Maximum Depth:	537 meters	Ore Removed (x 1000):		1091 tonnes
Operating Period: 1960 - 1977 intermittently				
Underground Workings:	● One vertical shaft to a depth of 537m ● With ten levels and extensive lateral advances			
Information Sources: 1, 2, 3, 5, 6				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: BRUNEAU		Site #:	32G/16-58
Location:	Township: McKenzie	U.T.M.:	5531500m. N
	N.T.S.: 32G/16		553450m. E
Closest Community: Chibougamau (8 Km)			
Minerals Mined: cp, Au, Ag, py, po, mag			
Host Rock: mafic lava, felsic pyroclastics (Gilman formation)			
Maximum Depth: 233 meters		Ore Removed (x 1000):	63 tonnes
Operating Period: 1966 - 1967			
Underground Workings:	• One vertical shaft to a depth of 233m, two adits, and galleries		
Information Sources: 1, 2, 4, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: HENDERSON II		Site #:	32G/16-62
Location:	Township: Roy	U.T.M.:	5527900m. N
	N.T.S.: 32G/16		557700m. E
Closest Community: Chibougamau (9 Km)			
Minerals Mined: Au			
Host Rock: ?			
Maximum Depth: 757 meters		Ore Removed (x 1000):	8316 tonnes
Operating Period: 1960 - 1988			
Underground Workings:	• Shaft to a depth of 757m, with several levels and galleries		
Information Sources: 1, 2, 9, 10			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: OBALSKI		Site #:	32G/16-81
Location:	Township: Obalski	U.T.M.:	5524500m. N
	N.T.S.: 32G/16		543625m. E
Closest Community: Chibougamau (6 Km)			
Minerals Mined: cp, Au, Ag, sp, py			
Host Rock: diorite, gabbro (Lac Dore complex)			
Maximum Depth: 84 meters		Ore Removed (x 1000):	98 tonnes
Operating Period: 1964 - 1985 intermittently			
Underground Workings:	• One shaft to a depth of 84m • With two levels, one adit, galleries • One decline 300m in length with a little production		
Information Sources: 1, 2, 3, 5, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: CHIB-KAYRAND		Site #:	32G/16-84
Location:	Township: Obalski	U.T.M.:	5523875m. N
	N.T.S.: 32G/16		547275m. E
Closest Community: Chibougamau (5 Km)			
Minerals Mined: cp, Au, py, po, sp, gn, mo			
Host Rock: quartz-diorite dyke in anorthosite breccia (Lac Dore complex)			
Maximum Depth: meters		Ore Removed (x 1000):	14 tonnes
Operating Period: 1965 - 1972			
Underground Workings:	• Via underground working of Merrill's and Campbell Original's mine		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Unlikely	

Mine Name: PRINCIPALE (Campbell)		Site #:	32G/16-85
Location:	Township: Obalski	U.T.M.:	5524325m. N
	N.T.S.: 32G/16		547800m. E
Closest Community: Chibougamau (5 Km)			
Minerals Mined: cp, Au, Ag, po, py			
Host Rock: gabbro, anorthosite			
Maximum Depth: meters		Ore Removed (x 1000):	4585 tonnes
Operating Period: 1955 - 1981 intermittently			
Underground Workings:	• Shaft		
Information Sources: 1, 2, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MERRILL ISLAND		Site #:	32G/16-86
Location:	Township: Obalski	U.T.M.:	5524200m. N
	N.T.S.: 32G/16		548150m. E
Closest Community: Chibougamau (6 Km)			
Minerals Mined: cp, Au, po, py, sp, mo, mag			
Host Rock: meta-anorthosite (Lac Dore complex)			
Maximum Depth: meters		Ore Removed (x 1000):	2506 tonnes
Operating Period: 1958 - 1981			
Underground Workings:	• One shaft to a depth of 701m with fourteen levels • Half the production mined by open pit		
Information Sources: 1, 2, 3, 6			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ZONE S-3			Site #:	32G/16-90
Location:	Township: Lemoine		U.T.M.:	5524850m. N
	N.T.S.: 32G/16			556450m. E
Closest Community: Chibougamau (8 Km)				
Minerals Mined: cp, Au, Ag				
Host Rock:				
Maximum Depth:	meters	Ore Removed (x 1000):		421 tonnes
Operating Period: 1987 - 1990				
Underground Workings:	●Shaft with at least nine levels			
Information Sources: 1, 2, 7, 8, 9, 10				
Information Appended: No		Geothermal Potential: Yes		

Mine Name: LEMOINE			Site #:	32G/16-97
Location:	Township: Lemoine		U.T.M.:	5512300m. N
	N.T.S.: 32G/16			564300m. E
Closest Community: Chibougamau (25 Km)				
Minerals Mined: cp, sp, Au, Ag, py, po				
Host Rock: porphyritic rhoylite, tuff (Waconichi formation)				
Maximum Depth:	meters	Ore Removed (x 1000):		757 tonnes
Operating Period: 1975 - 1990				
Underground Workings:	●One shaft with levels			
Information Sources: 1, 2, 6				
Information Appended: Yes		Geothermal Potential: Unlikely		

Mine Name: ICON		Site #:	32I/04-4
Location:	Township: O'Sullivan	U.T.M.:	5565500m. N
	N.T.S.: 32I/04		584800m. E
Closest Community: Mistassini (20 Km)			
Minerals Mined: cp, py, po, sp, ma, bo			
Host Rock: siliceous, graphitic dolomite (Albanel formation)			
Maximum Depth: meters		Ore Removed (x 1000):	1532 tonnes
Operating Period: 1968 - 1975			
Underground Workings:	• Zone 1 and 2: underground production over a combined length of 1067m; southern part of the zones by open pit. • Zone 3: underground and open pit production. • Unspecified extent of underground workings		
Information Sources: 1, 2, 5, 6			
Information Appended: Yes		Geothermal Potential: Unknown	

QUEBEC TABLE OF PROSPECTS AND DEPOSITS WITH UNDERGROUND WORKINGS

LISTING OF PROSPECTS AND DEPOSITS WITH UNDERGROUND WORKINGS

Name	Mineral occurrence file no. (M.E.R.Q)	Summary of underground workings
Storer-Cap-aux-Meules	(?)	Prospection shaft with some u/g lateral work
Troysco (Ham-Nord)	(?)	Adit
Mt. St. Sebastien (Copperstream-Frontenac)	21E/15-03	Adit
Asbestos Producers	21L/03-07	Shaft to a depth of 26m
Pekan	22A/13-23	Adit workings advanced 1480m
Federal	22B/16-60	Several shafts and adits; one of the shafts to a depth of 87m with two levels
St. Sebastien (Roy-Ross)	22C/7-04, 05	Adit
Blue Lake	23O/01-02	Decline
Pio Lake	24K/13-04	Adit driven over a length of 152m
Kirkham	31F/09-10	Two adits
Yates	31F/15-12	Adit driven over a length of 52m
Manoka	31G/09-17	Shaft to a depth of 137m with two levels
Bell Graphite Mine	3G/11-46	Several adits
Eastern Asbestos-Portland	31G/13-34	Adit with 823m lateral advances
Mine Fletcher Old, 1, 2 & 4	31H/08-47, 51 & 52	Production of 1300 tonnes of chromite from open pits and adits
Derogan (Melbourne)	31H/09-61, 62	Two adits driven to a depth of 55m and 68m
Aubelle	31M/07-08	One shaft to a depth of 162m with three levels and lateral advances of 1097m
Lake Expanse	31M/07-16	Shaft to a depth of at least 53m

Name	Mineral occurrence file no. (M.E.R.Q)	Summary of underground workings
Gold Master Macho River	31B/13-01	Shaft and lateral development on one level
Lacoma	32C/02-01	Shaft to a depth of 80m with lateral advances on two levels
Brosnor (Adelemont and Norcourt	32C/03-34, 35	Decline sunk to 99m on the Adelemont deposit
Bruell-Aurora	32C/03-10	Two prospect shafts reaching depth of 26m and 30m
Croinor-Pershing (Abigold)	32C/03-43	One shaft to a depth of 196m with lateral advances on five levels; one decline 396m in length
Regcourt	32C/03-38	One vertical shaft to a depth of 166mn with three levels
South Tiblemont	32C/03-15	One vertical shaft to a depth of 73m with advances on two levels
Vianor (Wood)	32C/06-32	One vertical shaft to a depth of 36m with 488m advance on the 33m level
Bounty (Aumaque)	32C/04-63	One vertical shaft to a depth of 166m with advances on five levels; one winze
Callahan (Amlartic)	32C/04-07	Shaft with at least one level at a depth of 240 m
Elmac (Propriete Audet)	32C/04-47	Shaft and winze reaching the level 86m drifting
Harricana (New Harricana)	32C/04-56	One vertical shaft to a depth of 238m with advances on at least seven levels
Joubi	32C/04-52, 54	Prospection shaft; one shaft to a depth of 253m with underground development
New Bidelmaque	32C/04-66	One vertical shaft to a depth of 121m with 610m advances on three levels

Name	Mineral occurrence file no. (M.E.R.Q.)	Summary of underground workings
North Pascalis	32C/04-37	One vertical shaft to a depth of 477m with underground development on six levels
Quebec Explorers	32C/04-48	One decline driven over a length of 689m with 1263m of lateral workings on the 104m level
Quebec Manitou (Wrightbar)	32C/04-77	Inclined ramp sunk to a depth of 183m with 1493m of lateral advance and 951m of track drift
Siscoe Extenstion (North Siscoe)	32C/04-16	One shaft to a depth of 229m with lateral advances on 107m and 221m levels
Western Quebec (Wesdome)	32C/04-12	One shaft to a depth of 105m with 1097m of lateral advance on level 91m
Bardome Project (Barvallee and Belfort [Roymont] deposits)	32C/05-26, 27	Shaft to a depth of 160m with 1234m of drifts, cross cuts and raises on three levels
Fisher (Randall-Fisher)	32C/05-04	One shaft to a depth of 66m with 187m of lateral advance on one level
Venus (Barexor [Venus North Zone], Venus South Zone)	32C/05-08	Two shafts to a depth of 61m with 1219m of lateral workings; one decline on the North Zone
Pershing Manitou	32C/06-08	One shaft to a depth of 64m with 262m of lateral advances on two levels; minor Au recovery from underground workings
Tiblemont Cons. Mines	32C/06-26	Shaft to a depth of 155m with 1219m of lateral advances on four levels; adit
Valiant (Smith-Tiblemont)	32C/06-29	One shaft to a depth of 52m with 152m of lateral advance on one level
Fontana	32C/12-14	One shaft to a depth of 91m with short advances on two levels

Name	Mineral occurrence file no. (M.E.R.Q)	Summary of underground workings
Goldvue	32C/12-10 (?)	One shaft to a depth of 389m with 792m of lateral advances on eight levels
Swanson	32C/12-45	Ramp advanced over a length of 507m with some drifting
Trinity (Propriete Lamorandiere)	32C/12-07	One shaft to a depth of 131m with 285m of lateral advances on three levels
Black Cliff (Vinray)	32D/01-46	One shaft to a depth of 84m with 152m of lateral advance on the 38m level and some minor advances on another level
Bouscadillac (Terrex)	32D/01-03	One shaft to a depth of 160m with 1067m advances on four levels
East Amphi	32D/01-39	One shaft to a depth of 154m with 1907m of lateral advances on two levels
Fourax (Fourax II-Zone West Porphyry and Zone Townsite (Nor-Ouest)	32D/01-59	Ramp on the Western Porphyry Zone
Gold Hawk (Nealon-2 [?])	32D/01-50 (?)	Underground development from a drift in the Kierens Mine
Malrobic	32D/01-26	One shaft to a depth of 79m with two levels
Parbec	32D/01-36	One shaft to a depth of 15m; one ramp 549m in extent
Rand Malartic	32D/01-54	Inclined ramp 400m in length, one shaft to a depth of 12m, drifting and underground development
Tonawanda	(?)	Prospect shaft, one inclined ramp 366m in length
Calder-Bousquet	32D/02-30	One shaft and short advances on two levels

Name	Mineral occurrence file no.(M.E.R.Q)	Summary of underground workings
Dovercliff (Clerno)	32D/02-05	One shaft to a depth of 40m with 43m of crosscuts on the 30m level
Astoria	32D/03-47	One shaft to a depth of more than 130m with lateral advances on the 38m and the 124m levels
Bazooka	32D/03-31	One shaft to a depth of 125m with 634m of lateral advance on the 113m level
Durbar	32D/03-34	One shaft with 137m of advance on one level
Lake Fortune	32D/03-13	Three shafts, one decline ramp to a depth of 111m with 503m of lateral development on three levels
Macwin (Wingait)	32D/03-27	Shaft to a depth of 10m
Pelletier Lake	32D/03-41	Drift extended from the 183m level of the Stadacona mine
Wright-Rouyn	32D/03-43	Drift advanced 247m from the 183m level of the Stadacona mine
Russian Kid (Bordulac) (El Coco-Ress. Dessen)	32D/03-01	One shaft to a depth of 98m with 308m of lateral advance (above level 46m) with 494m of lateral advance on the 91m level; one decline reaching shaft workings; small ore shipments
Inmont	32D/06-60 (?)	One vertical shaft to a depth of 170m with lateral advances; one shaft to a depth of 20m
Lac Duffault No.1	32D/06-13	Drift extended above the deposit from the 320m level of the Amulet-Dufault mine
Lanaudiere (Garney) (Golconda)	32D/06-13	One shaft to a depth of 71m with 381m of lateral advances on two levels

Name	Mineral occurrence file no. (M.E.R.Q)	Summary of underground workings
New Insco (Fabie Bay)	32D/06-07	Open pit and decline with three levels; 93000 tonnes of development ore shipped
South Rusty Hill	(?)	Underground headings from the Corbet mine
Arrowhead	32D/07-62	Prospection shaft; one shaft to a depth of 158m with 792m of lateral advances on three levels
Bassignac	(?)	Ramp advanced over a length of 413m; 35000 tonnes of low grade Au ore shipped
Claremont	32D/07-55	One shaft to a depth of 81m with two levels
Wilco	32D/07-44	Two shallow shafts
Height of Land	32D/08-16	First shaft to a depth of 23m with 27m of lateral advance from its bottom; second shaft to a depth of 17m withh some ore stoped, cobbed and shipped
Westwood	32D/08-47	One shaft to a depth of 76m with drifting on one level
Amos (Conigo)	(?)	Prospection shaft; one shaft to a depth of 384m with lateral advances on four levels
Central-Duparquet-1 (Dalembert)	32D/11-21	Two shallow shafts; one main shaft to a depth of 305m with underground development on five levels
Abitibi Asbestos	32E/01-10	Shaft
Consolidated Northern Exploration (Kelly-Desmond)	(?)	One shaft to a depth of 392m with lateral advances and drifting on five levels

Name	Mineral occurrence file no. (M.E.R.Q)	Summary of underground workings
Flordin	32F/07-23	One shaft to a depth of 114m with 274m of lateral advances on two levels
Certac (Lac Cere)	32F/08-26	Ramp advanced 76m; 13500 tonnes of ore treated
Hewfran	(?)	Lateral advances from two levels of the Bachelor Lake mine
Meston Lake	32G/07-12	One decline driven over a length of 305m
Laura Lake	32G/15-72	Decline driven over a length of 564m
Bateman Bay	32G/16-57	Shaft to a depth of 274m with underground development on three levels; the level 274m connects with the Jaculet mine
Devlin	32G/16-(?)	Decline sunk and 15500 tonnes of ore treated
Gwillim Lake MOP-II	32G/16-(?)	Ramp extended to the 30m level
Tache Lake	32G/16-35	One adit driven into the north zone with 152m advance, one decline
Roberge Lake	32H/13-02	One shaft to a depth of 61m, 53m of crosscut; decline driven over a length of 305m
Perch River	32I/05-06	One inclined adit
Eastman (Anomalie A-9)	32A/08-01	Ramp advanced 1062m with underground development; actively explored
Raglan Nickel	35H/11-2,3,4, 35H/12-2,7,9	Extensive underground workings; production wiill begin in a few years

Note:

Source of information for the above **List of Prospects and Deposits with Underground Workings:** Canadian Mineral Deposits Not Being Mines in 1989 (MER 223).

The large majority of the prospects and deposits listed above are located in the Northwestern Quebec (Val d'Or, Rouyn and Matagami areas).

Numerous other abandoned mines or prospects with some underground workings are also present in the southwestern part of the Grenville Province (in Quebec) and in the Eastern Townships; most of them are old and/or artisanal operations and the description of the nature and the extent of the mining works is often poor or missing. The small prospects, as well as the abandoned mines with less than 5000 tonnes production were not included in the compilation.

NOVA SCOTIA INVENTORY DATA SHEETS

(METALLIC AND INDUSTRIAL MINERAL MINES)

Mine Name: CLAM HARBOUR		Site #:	11D/10-01
Location:	Township: Halifax	Latitude:	44° 44' 17"
	N.T.S.: 11D/10	Longitude:	62° 54' 48"
Closest Community: Clam Bay (1 km), Clam Harbour (2 km)			
Minerals Mined: Gold			
Host Rock: Quartzite and slate (Goldenville Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1901-1904			
Underground Workings:	• Trench and few shafts - not extensive and shallow		
Information Sources: 1, 2, 11			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: COW BAY GOLD DISTRICT		Site #:	11D/11-01
Location:	Township: Halifax	Latitude:	44° 37' 51"
	N.T.S.: 11D/11	Longitude:	63° 26' 34"
Closest Community: Cow Bay (2 km), Rainbow Haven (2 km)			
Minerals Mined: Gold			
Host Rock: Slate, quartzite (Meguma Group)			
Maximum Depth: 46 meters		Ore Removed (x 1000):	1 tonnes
Operating Period: 1896-1905			
Underground Workings:	• 2 shafts 46 m depth, 44 m depth • Unwatered		
Information Sources: 1, 2, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: LAWRENCETOWN GOLD DISTRICT		Site #:	11D/11-02
Location:	Township: Halifax	Latitude:	44° 41' 46"
	N.T.S.: 11D/11	Longitude:	63° 23' 10"
Closest Community: Mineville (1 km)			
Minerals Mined: Gold			
Host Rock: Quartzite (Goldenville Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	1 tonnes
Operating Period: 1866-1912			
Underground Workings:	• Shafts sunk with drifting		
Information Sources: 1, 2, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: CHEZZETCOOK		Site #:	11D/11-03
Location:	Township: Halifax	Latitude:	44° 44' 37"
	N.T.S.: 11D/11	Longitude:	63° 15' 41"
Closest Community: Head of Chezzetcook (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins (Goldenville Formation)			
Maximum Depth: 5 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1889-1914			
Underground Workings:	• Hole sunk 5 m • Water filled surface pit 2 m deep		
Information Sources: 1, 2, 15			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: LAKE CATCHA GOLD DISTRICT		Site #:	11D/11-04
Location:	Township: Halifax	Latitude:	44° 44' 32"
	N.T.S.: 11D/11	Longitude:	63° 11' 48"
Closest Community: West Petpeswick (2 km), East Chezzetcook (3 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins (Goldenville Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	23 tonnes
Operating Period: 1887-1942			
Underground Workings:	• 5 shafts mentioned • Several dewaterings		
Information Sources: 1, 2, 15			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MONTAGUE GOLD DISTRICT		Site #:	11D/12-01
Location:	Township: Halifax	Latitude:	44° 43' 07"
	N.T.S.: 11D/12	Longitude:	63° 30' 44"
Closest Community: Montague Gold Mines (0 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins interbedded with quartzite and slate (Goldenville Formation)			
Maximum Depth: 152 meters		Ore Removed (x 1000):	122 tonnes
Operating Period: 1865-1939 (intermittent)			
Underground Workings:	• Numerous shafts sunk (approximately 22) for approximately eight mines • Shaft depths range from 14 m to 152 m • 152 m shaft had levels established at 30, 60, 90, 120, and 150 m		
Information Sources: 1, 2, 5, 9, 10, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: GIEZER HILL		Site #:	11D/12-9
Location:	Township: Halifax	Latitude:	44° 39'
	N.T.S.: 11D/12	Longitude:	63° 40'
Closest Community: Fairview (1 km)			
Minerals Mined: Gold			
Host Rock: Slate (Halifax Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1931-1932			
Underground Workings:			
Information Sources: 1, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: WELLINGTON		Site #:	11D/13-01
Location:	Township: Halifax	Latitude:	44° 51' 35"
	N.T.S.: 11D/13	Longitude:	63° 35' 43"
Closest Community: Fletcher (1 km), Wellington (2 km), Fall River (5 km)			
Minerals Mined: Arsenopyrite			
Host Rock: Slate (Halifax Formation)			
Maximum Depth: 30 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1924-1925			
Underground Workings:	• One main shaft - 30 m deep: • Shaft known to fill with water		
Information Sources: 1, 2			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: WAVERLEY GOLD DISTRICT		Site #:	11D/13-02
Location:	Township: Halifax	Latitude:	44° 47' 01"
	N.T.S.: 11D/13	Longitude:	63° 36' 21"
Closest Community: Waverley (0 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzites and slates (Goldenville Formation)			
Maximum Depth: 152 meters		Ore Removed (x 1000):	152 tonnes
Operating Period: 1862-1938 (intermittent)			
Underground Workings:	• Over 30 mines worked in area • Some open cut workings, several shallow shafts 1.5-2 m deep • Shaft depths range from 12 to 152 m • Crosscuts made (on Dominion Shaft) at 69 m • Dominion shaft dewatered		
Information Sources: 1, 2, 9			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: SOUTH UNIACKE GOLD DISTRICT		Site #:	11D/13-03
Location:	Township: Halifax and Hants	Latitude:	44° 52' 18"
	N.T.S.: 11D/13	Longitude:	63° 46' 37"
Closest Community: South Uniacke (0 km), Oland (3 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite (Golden Formation)			
Maximum Depth: 123 meters		Ore Removed (x 1000):	11 tonnes
Operating Period: 1888-1948			
Underground Workings:	• At least five mines in area, some trenching • Shafts range in depth from 9 to 123 m • Shafts dewatered at different times		
Information Sources: 1, 2, 9, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MOUNT UNIACKE GOLD DISTRICT		Site #:	11D/13-04
Location:	Township: Hants	Latitude:	44° 55' 36"
	N.T.S.: 11D/13	Longitude:	63° 48' 36"
Closest Community: Lewis Mills (3 km), Mount Uniacke (4 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 102 meters		Ore Removed (x 1000):	54 tonnes
Operating Period: 1865-1941 (intermittent)			
Underground Workings:	• Some trenching and quarrying and more than a dozen mines in area • More than 17 shafts • Shafts range in depth from 15 to 102 m with some cross-cutting and drifting • Many shafts dewatered at different times		
Information Sources: 1, 2, 9, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ARDOISE		Site #:	11D/13-05
Location:	Township: Hants	Latitude:	44° 57' 38"
	N.T.S.: 11D/13	Longitude:	63° 54' 58"
Closest Community: Hillsvale (1 km), Cameron Lake (2 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slates (Halifax Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	<1 tonnes
Operating Period: 1890-1904			
Underground Workings:	• Few shallow test shafts and pits		
Information Sources: 1, 2, 11			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: SOUTH UNIACKE		Site #:	11D/13-18
Location:	Township: Halifax	Latitude:	44° 51' 02"
	N.T.S.: 11D/13	Longitude:	63° 45' 02"
Closest Community: South Uniacke (4 km)			
Minerals Mined: Pyrolusite			
Host Rock: Sandstone and shale (Goldenville Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1858			
Underground Workings:	• No information		
Information Sources: 1, 2, information limited			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: LOWER SACKVILLE		Site #:	11D/13-20
Location:	Township: Halifax	Latitude:	44° 45' 17"
	N.T.S.: 11D/13	Longitude:	63° 39' 54"
Closest Community: Lower Sackville (0 km)			
Minerals Mined: Scheelite			
Host Rock: Quartz vein in quartzite and slate (Goldenville Formation)			
Maximum Depth: 46 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1935-1942			
Underground Workings:	• Test shaft of 46 metres • Operations consisted of several trench and pits		
Information Sources: 1, 2			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: WAVERLEY		Site #:	11D/13-21
Location:	Township: Halifax	Latitude:	44° 47' 43"
	N.T.S.: 11D/13	Longitude:	63° 37' 02"
Closest Community: Waverley (1 km), Fall River (1 km), Windsor Junction (2 km)			
Minerals Mined: Scheelite			
Host Rock: Quartz veins in slate (Goldenville Formation)			
Maximum Depth: 23 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1911-1939			
Underground Workings:	• Two shafts and a number of trenches • Both shafts dewatered • Maximum shaft depth of 23 m with lateral development of over 18 m		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: OLDHAM GOLD DISTRICT		Site #:	11D/14-03
Location:	Township: Halifax	Latitude:	44° 55' 25"
	N.T.S.: 11D/14	Longitude:	63° 28' 58"
Closest Community: Oldham (1 km), Goffs (4 km), Enfield (4 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite (Goldenville Formation)			
Maximum Depth: 488 meters		Ore Removed (x 1000):	107 tonnes
Operating Period: 1862-1943 (intermittent)			
Underground Workings:	• Numerous shafts and some crosscuts • Trenches and pit also opened • Work carried out to depth of 488 m with levels at depths of 366 m and 396 m		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: ELMSDALE		Site #:	11D/14-04
Location:	Township: Halifax	Latitude:	44° 58' 00"
	N.T.S.: 11D/14	Longitude:	63° 27' 59"
Closest Community: Elmsdale (3 km), Lantz (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite and slate (Goldenville Formation)			
Maximum Depth: 20 meters		Ore Removed (x 1000):	<1 tonnes
Operating Period: Circa 1890			
Underground Workings:	• 2 shafts sunk - 20 to 15 m deep		
Information Sources: 1, 2, 11, 15			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: DUNBRACK MINE		Site #:	11D/14-06(I)
Location:	Township: Halifax	Latitude:	44° 48' 52"
	N.T.S.: 11D/14	Longitude:	63° 11' 11"
Closest Community: Musquodoboit Harbour (4 kms)			
Minerals Mined: Quartz and chalcedory			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: Intermittent to 1899			
Underground Workings:	• No information given		
Information Sources: 1, 5, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: MUSQUODOBOIT HARBOUR			Site #:	11D/14-09
Location:	Township: Halifax		Latitude:	44° 49' 04"
	N.T.S.: 11D/14		Longitude:	63° 11' 25"
Closest Community: Musquodoboit Harbour (3 km)				
Minerals Mined: Galena				
Host Rock: Fissure vein in granite				
Maximum Depth: 43 meters		Ore Removed (x 1000): tonnes		
Operating Period: 1909-1920				
Underground Workings:	• Several shafts ranging in depth from 12 to 43 m • 43 m deep shaft had 2 tunnels of 114 and 15 m in length at depths of 30 and 43 m respectively • Shaft and workings were dewatered			
Information Sources: 1, 2, 9				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: GOFF			Site #:	11D/14-14
Location:	Township: Halifax		Latitude:	44° 53' 40"
	N.T.S.: 11D/14		Longitude:	63° 26' 18"
Closest Community: Goff (3 km)				
Minerals Mined: Scheelite				
Host Rock: Quartz veins in slate and quartzite (Halifax Formation)				
Maximum Depth: 15 meters		Ore Removed (x 1000):		< 1 tonnes
Operating Period: 1931-1949 (intermittent)				
Underground Workings:	• Few small shafts			
Information Sources: 1, 2				
Information Appended: No		Geothermal Potential: Unlikely		

Mine Name: TANGIER		Site #:	11D/15-01
Location:	Township: Halifax	Latitude:	44° 48' 38"
	N.T.S.: 11D/15	Longitude:	62° 41' 40"
Closest Community: Tangier (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 183 meters		Ore Removed (x 1000):	46 tonnes
Operating Period: 1862-1937			
Underground Workings:	● Numerous shafts and some trenches ● Several tunnels - lengths of 61 m ● Shaft depths range from 30 to 183 m ● 183 m shaft had 3 compartments ● mine dewatering		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: LAKE CHARLOTTE GOLD DISTRICT		Site #:	11D/15-02
Location:	Township: Halifax	Latitude:	44° 51' 01"
	N.T.S.: 11D/15	Longitude:	62° 59' 45"
Closest Community: Lake Charlotte (2 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate (Goldenville Formation)			
Maximum Depth: 30 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1936-1964			
Underground Workings:	● Several shafts with depths ranging from 11 to 30 m ● Lateral work and drifting ● Workings dewatered ● Several pits in the area		
Information Sources: 1, 2, 9, 11, 15			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MOOSE RIVER GOLD DISTRICT		Site #:	11D/15-03
Location:	Township: Halifax	Latitude:	44° 58' 51"
	N.T.S.: 11D/15	Longitude:	62° 56' 46"
Closest Community: Moose River (1 km)			
Minerals Mined: Gold			
Host Rock: Veins in slate (Goldenville Formation)			
Maximum Depth: 44 meters		Ore Removed (x 1000):	139 tonnes
Operating Period: 1870-1939			
Underground Workings:	• Numerous shafts with depths ranging from 9 to 44 m with drifting and compartments • Shaft collapsed • Some trenching and quarrying carried out • Shaft was dewatered		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MOOSELAND GOLD DISTRICT		Site #:	11D/15-04
Location:	Township: Halifax	Latitude:	44° 55' 55"
	N.T.S.: 11D/15	Longitude:	62° 46' 15"
Closest Community: Mooseland (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins (Goldenville Formation)			
Maximum Depth: 12 meters		Ore Removed (x 1000):	8 tonnes
Operating Period: 1863-1914 (intermittent)			
Underground Workings:	• Many shallow shafts with depths of 12 m • Shaft unwatered		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: SCRAGGY LAKE GOLD DISTRICT		Site #:	11D/15-05
Location:	Township: Halifax	Latitude:	44° 55' 03"
	N.T.S.: 11D/15	Longitude:	62° 56' 44"
Closest Community: Ship Harbour (12 kms), Moosehead (12 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins (Goldenville Formation)			
Maximum Depth: 21 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1890-1899 (intermittent)			
Underground Workings:	• Several pits and small shafts • Shaft depths range from 6 to 21 m		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: SHEET HARBOUR GOLD DISTRICT		Site #:	11D/15-06
Location:	Township: Halifax	Latitude:	44° 55' 49"
	N.T.S.: 11D/15	Longitude:	62° 32' 08"
Closest Community: Sheet Harbour (0 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite (Goldenville Formation)			
Maximum Depth: 20 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1898-1935			
Underground Workings:	• One open trench and several small shafts with depths ranging from 3 to 20 m • Shaft was dewatered		
Information Sources: 1, 2, 9, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MOOSE RIVER		Site #:	11D/15-12
Location:	Township: Halifax	Latitude:	44° 58' 23"
	N.T.S.: 11D/15	Longitude:	62° 58' 50"
Closest Community: Moose River (3km)			
Minerals Mined: Scheelite			
Host Rock: Quartz veins in slate (Goldenville Formation)			
Maximum Depth: 122 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1908-1943 (intermittent)			
Underground Workings:	• 15 shallow shafts with several hundred meters of lateral workings • 122 m shaft with lateral workings at 30, 60, 90 m • Later allowed to fill • Some working were dewatered		
Information Sources: 1, 2, 9			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: SALMON RIVER GOLD DISTRICT		Site #:	11D/16-01
Location:	Township: Halifax	Latitude:	44° 57' 35"
	N.T.S.: 11D/16	Longitude:	62° 24' 02"
Closest Community: Barkhouse Settlement (3 km)			
Minerals Mined: Gold			
Host Rock: Veins in slate (Goldenville Formation)			
Maximum Depth: 79 meters		Ore Removed (x 1000):	107 tonnes
Operating Period: 1881-1942			
Underground Workings:	• Some trenching • Several shafts ranging in depth from 46 to 79 m with some cross-cutting and drifting • Some shafts pumped out		
Information Sources: 1, 2, 9, 11, 15			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: MOOSEHEAD		Site #:	11D/16-02
Location:	Township: Halifax	Latitude:	44° 56' 37"
	N.T.S.: 11D/16	Longitude:	62° 15" 11"
Closest Community: Moosehead (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate (Goldenville Formation)			
Maximum Depth: 61 meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1899-1915			
Underground Workings:	• Several shafts ranging from 8 to 61 m deep • Cross-cuts on main shaft of 38 m • Some workings were dewatered • Some pits in area		
Information Sources: 1, 2, 9, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: HARRIGAN COVE GOLD DISTRICT		Site #:	11D/16-03
Location:	Township: Halifax	Latitude:	44° 56' 05"
	N.T.S.: 11D/16	Longitude:	62° 17' 40"
Closest Community: Harrigan Cove (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 15 meters		Ore Removed (x 1000):	12 tonnes
Operating Period: 1872-1916			
Underground Workings:	• Several shafts less than 15 m deep • Drifts of 77 and 55 m • Some trenching and stripping		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: ECUM SECUM GOLD DISTRICT		Site #:	11D/16-04
Location:	Township: Halifax	Latitude:	44° 58' 17"
	N.T.S.: 11D/16	Longitude:	62° 10' 50"
Closest Community: Ecum Secum (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite			
Maximum Depth: 52 meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1881-1907			
Underground Workings:	• Shafts ranging in depth from 12 to 52 m with crosscuts • Some working were dewatered • Some pits and trenches		
Information Sources: 1, 2, 9			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: GOLDENVILLE GOLD DISTRICT		Site #:	11E/01-01
Location:	Township: Guysborough	Latitude:	45° 07' 31"
	N.T.S.: 11E/01	Longitude:	62° 01' 19"
Closest Community: Goldenville (0 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 183 meters		Ore Removed (x 1000):	540 tonnes
Operating Period: 1862-1942			
Underground Workings:	• More than 376 shafts and pits • Few shafts extend more than 122 m deep • Main shaft with levels at 49, 79, 122, 152, and 183 m		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: LISCOMB MILLS		Site #:	11E/01-02
Location:	Township: Guysborough	Latitude:	45° 00' 54
	N.T.S.: 11E/01	Longitude:	62° 06' 03"
Closest Community: Liscomb Mills (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: Circa 1896			
Underground Workings:	• Mine and pit		
Information Sources: 1, 3, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MILLER LAKE GOLD DISTRICT		Site #:	11E/01-03
Location:	Township: Guysborough	Latitude:	45° 02' 31"
	N.T.S.: 11E/01	Longitude:	62° 08' 17"
Closest Community: Liscomb Mills (4 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 32 meters		Ore Removed (x 1000):	1 tonnes
Operating Period: 1904-1951			
Underground Workings:	• Some open cuts and shallow pits • Several shafts ranging in depth from 5 to 32 m • Shaft dewatered and then allowed to fill with water		
Information Sources: 1, 2, 9, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: LOCHABER GOLD DISTRICT		Site #:	11E/01-04
Location:	Township: Halifax	Latitude:	45° 03' 50"
	N.T.S.: 11E/01	Longitude:	62° 28' 48"
Closest Community: Lochaber Mines (6 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	<1 tonnes
Operating Period: 1887-1889			
Underground Workings:			
Information Sources: 1, 2, 11, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: COCHRANE HILL GOLD DISTRICT		Site #:	11E/01-07
Location:	Township: Guysborough	Latitude:	45° 14' 58"
	N.T.S.: 11E/01	Longitude:	62° 00' 57"
Closest Community: Crows Nest (1 km), Milrose (3 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate (Goldenville Formation)			
Maximum Depth: 69 meters		Ore Removed (x 1000):	11 tonnes
Operating Period: 1869-1935 (intermittent)			
Underground Workings:	• Small scale • Shafts ranging from 21 to 69 m deep with drifts and crosscuts		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: BEAVER DAM GOLD DISTRICT		Site #:	11E/02-01
Location:	Township: Halifax	Latitude:	45° 03' 53"
	N.T.S.: 11E/02	Longitude:	62° 43' 03"
Closest Community: Beaver Lake (6 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 30 meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1889-1931 (intermittent)			
Underground Workings:	• Shafts of 21 and 30 m depth • Little production		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: KILLAG GOLD DISTRICT		Site #:	11E/02-02
Location:	Township: Halifax	Latitude:	45° 01' 07"
	N.T.S.: 11E/02	Longitude:	62° 37' 18"
Closest Community: Marinette (6 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzites (Goldenville Formation)			
Maximum Depth: 38 meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1889-1951 (intermittent)			
Underground Workings:	• Several shafts, including one 38 metres deep		
Information Sources: 1, 2, 9, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: CARIBOU GOLD DISTRICT		Site #:	11E/02-04
Location:	Township: Halifax	Latitude:	45° 03' 37"
	N.T.S.: 11E/02	Longitude:	62° 56' 43"
Closest Community: Caribou Gold Mines (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville & Halifax Formations)			
Maximum Depth: 305 meters		Ore Removed (x 1000):	168 tonnes
Operating Period: 1867-1947			
Underground Workings:	• A number of mines • Numerous shafts range from 15 to 305 meters in depth		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: FIFTEEN MILE STREAM GOLD DIST		Site #:	11E/02-10
Location:	Township: Halifax	Latitude:	45° 08' 27"
	N.T.S.: 11E/02	Longitude:	62° 31' 56"
Closest Community: Lochaber Mines (14 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 61 meters		Ore Removed (x 1000):	45 tonnes
Operating Period: 1867-1941 (intermittent)			
Underground Workings:	• Several mines • Shafts range in depth from 27 to 61 m with compartments and drifting • Some workings were dewatered		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: NEWTON MILLS		Site #:	11E/02-11
Location:	Township: Colchester	Latitude:	45° 13' 32"
	N.T.S.: 11E/02	Longitude:	62° 55' 23"
Closest Community: Newton Mills (1 km)			
Minerals Mined: Hematite			
Host Rock: Conglomerate at limestone (Windsor Group) - slate (Halifax Formation) contact			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1880's and 1890's			
Underground Workings:			
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MIDDLE STEWIACKE		Site #:	11E/03-04(I)
Location:	Township: Colchester	Latitude:	45° 14' 07"
	N.T.S.: 11E/03	Longitude:	63° 10' 34"
Closest Community: Middle Stewiacke (4.5 kms)			
Minerals Mined: Barite			
Host Rock: Limestone (Windsor Group)			
Maximum Depth: 12 meters		Ore Removed (x 1000):	tonnes
Operating Period: Intermittently to 1899			
Underground Workings:			
Information Sources: 1, 5, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: GAYS RIVER GOLD DISTRICT		Site #:	11E/03-06
Location:	Township: Colchester	Latitude:	45° 04' 39"
	N.T.S.: 11E/03	Longitude:	63° 18' 42"
Closest Community: Coldstream (1 km)			
Minerals Mined: Gold			
Host Rock: Fossil placer in conglomerate (Horton Group)			
Maximum Depth: meters		Ore Removed (x 1000):	14 tonnes
Operating Period: 1869-1880			
Underground Workings:	• Number of shafts, a few tunnels, and shallow pits • 82 m tunnel driven into hillside • Tunnel connected to 2 shafts		
Information Sources: 1, 2, 9, 10, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: SOUTH BRANCH STEWIACKE		Site #:	11E/03-07
Location:	Township: Colchester	Latitude:	45° 06' 57"
	N.T.S.: 11E/03	Longitude:	63° 07' 54"
Closest Community: South Branch (4 km), Elmsvale (6 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and slate and argillite (Halifax Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1884			
Underground Workings:			
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: GAYS RIVER		Site #:	11E/03-09
Location:	Township: Halifax	Latitude:	45° 01' 54"
	N.T.S.: 11E/03	Longitude:	63° 20' 32"
Closest Community: Gays River (1 km)			
Minerals Mined: Sphalerite, galena			
Host Rock: Dolomite (Windsor Group)			
Maximum Depth: 91 meters		Ore Removed (x 1000):	12 tonnes
Operating Period: 1975-1981			
Underground Workings:	• Some pits and trenchs • 760 m long decline driven into deposit with drifts • Underground caverns 8-15 m class confirmed • 1829 m of underground drifting with 16 drifts off main decline • Deepest working at vertical depth of 91 m		
Information Sources: 1, 2, 9, 10			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: WEST GORE ANTIMONY MINE		Site #:	11E/04-01
Location:	Township: Hants	Latitude:	45° 05' 07"
	N.T.S.: 11E/04	Longitude:	63° 47' 21"
Closest Community: West Gore (1 km)			
Minerals Mined: Stibnite			
Host Rock: Slate and quartzite (Halifax Formation)			
Maximum Depth: 259 meters		Ore Removed (x 1000):	31 tonnes
Operating Period: 1884-1917			
Underground Workings:	• At least six shafts • Shafts range from 53 to 259 m deep • Considerable lateral work • Shafts retimbered in 1940's		
Information Sources: 1, 2, 9, 10			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: EAST RAWDON		Site #:	11E/04-05
Location:	Township: Hants	Latitude:	45° 02' 48"
	N.T.S.: 11E/04	Longitude:	63° 45' 03"
Closest Community: Rawdon Gold Mines (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 152 meters		Ore Removed (x 1000):	13 tonnes
Operating Period: 1884-1931			
Underground Workings:	• At least 2 mines - one sunk to depth of 122 m • 18 shafts ranging from 8 to 152 metres • Few other shallow shafts • Some dewatering		
Information Sources: 1, 2, 9, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: CENTRAL RAWDON GOLD DISTRICT		Site #:	11E/04-06
Location:	Township: Hants	Latitude:	45° 03' 14"
	N.T.S.: 11E/04	Longitude:	63° 50' 36"
Closest Community: Rawdon (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate (Halifax Formation)			
Maximum Depth: 123 meters		Ore Removed (x 1000):	5 tonnes
Operating Period: 1888-1939			
Underground Workings:	• Several mines • 5 shafts - deepest is 123 m • A tunnel was driven 137 m into hillside • Some surface work		
Information Sources: 1, 2, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: UPPER NEWPORT GOLD DISTRICT		Site #:	11E/04-07
Location:	Township: Hants	Latitude:	45° 00' 36"
	N.T.S.: 11E/04	Longitude:	63° 56' 15"
Closest Community: Upper Newport (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Halifax Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	<1 tonnes
Operating Period:			
Underground Workings:			
Information Sources: 1, 2, 9, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: RENFREW GOLD DISTRICT		Site #:	11E/04-09
Location:	Township: Hants	Latitude:	45° 00' 29"
	N.T.S.: 11E/04	Longitude:	63° 38' 01"
Closest Community: Renfrew (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 152 meters		Ore Removed (x 1000):	60 tonnes
Operating Period: 1862-1958 (intermittent)			
Underground Workings:	• Numerous shafts at depths ranging from 55 to 152 m • Some cross-cutting		
Information Sources: 1, 2, 9, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: WHALE CREEK MINE		Site #:	11E/04-15
Location:	Township: Hants	Latitude:	45° 14' 26"
	N.T.S.: 11E/04	Longitude:	63° 59' 56"
Closest Community: Walton (1 km)			
Minerals Mined: Pyrolusite			
Host Rock: Joints in Windsor limestone (Horton Group)			
Maximum Depth: meters		Ore Removed (x 1000):	<1 tonnes
Operating Period: circa 1890			
Underground Workings:	• Few pits • Tunnel 24 m in length		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: LONDONDERRY IRON DISTRICT		Site #:	11E/05-07
Location:	Township: Colchester	Latitude:	45° 28' 58
	N.T.S.: 11E/05	Longitude:	63° 36' 54"
Closest Community: Londonderry (1 km)			
Minerals Mined: Limonite, siderite, ankerite			
Host Rock: Ankerite (Canso Group)			
Maximum Depth: 48 meters		Ore Removed (x 1000):	1814 tonnes
Operating Period: 1849-1908			
Underground Workings:	• Numerous sets of workings • Extensive lateral workings, ranging from 91 to 914 m in length • Tunnel of 1310 m driven through ridge with 4 shafts		
Information Sources: 1, 2, 9			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: DENSMORE MILLS		Site #:	11E/05-12
Location:	Township: Hants	Latitude:	45° 18' 21"
	N.T.S.: 11E/05	Longitude:	63° 41' 26"
Closest Community: Densmore Mills (1 km)			
Minerals Mined: Pyrolusite			
Host Rock: Quartzite (Horton Group)			
Maximum Depth: 18 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1880-1890			
Underground Workings:	• Couple of shafts - 8 and 18 m deep		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: REYNOLDS MINE		Site #:	11E/05-13
Location:	Township: Hants	Latitude:	45° 16' 37"
	N.T.S.: 11E/05	Longitude:	63° 49' 24"
Closest Community: Minasville (1 km)			
Minerals Mined: Manganese			
Host Rock: Sandstone and shale (Horton Group)			
Maximum Depth: 15 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1891			
Underground Workings:	• Inclined shaft - 15 m deep with up to 12 m of drifting • Shaft pumped out		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MACDONALD MINE		Site #:	11E/05-14
Location:	Township: Hants	Latitude:	45° 16' 40"
	N.T.S.: 11E/05	Longitude:	63° 48' 40"
Closest Community: Minasville (1 km)			
Minerals Mined: Manganite			
Host Rock: Sandstone and shale (Horton Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1887-1901			
Underground Workings:	• 2 pits, a trench and 3 shafts • 1 shaft is filled with water • 2 shafts are shallow		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: FAULKNER PROPERTY		Site #:	11E/05-17
Location:	Township: Hants	Latitude:	45° 15' 37"
	N.T.S.: 11E/05	Longitude:	63° 51' 14"
Closest Community: Tennycape (2 km)			
Minerals Mined: Pyrolusite			
Host Rock: Limestone and conglomerate (Windsor Group)			
Maximum Depth: 11 meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1887-1907			
Underground Workings:	• Old caved in workings were excavated (pits) • Shaft to depth of 11 m		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: TENNYCAPE MINE		Site #:	11E/05-19
Location:	Township: Hants	Latitude:	45° 15' 21"
	N.T.S.: 11E/05	Longitude:	63° 53' 33"
Closest Community: Tennycape (2 km)			
Minerals Mined: Pyrolusite			
Host Rock: Limestone conglomerate (Pembroke Formation)			
Maximum Depth: 50 meters		Ore Removed (x 1000):	4 tonnes
Operating Period: 1862-1918			
Underground Workings:	• Workings comprise open cuts, pits and shafts • Several shallow shafts • Main shaft 50 m deep • Some open cuts connected to underground workings by raises		
Information Sources: 1, 2, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: WHEATON PROPERTY		Site #:	11E/05-21
Location:	Township: Hants	Latitude:	45° 15' 36"
	N.T.S.: 11E/05	Longitude:	63° 56' 12"
Closest Community: Clement Cove (1 km)			
Minerals Mined: Pyrolusite			
Host Rock: Conglomerate (Wolfville Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: prior 1900			
Underground Workings:	• Old workings now caved in		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: LOWER ECONOMY		Site #:	11E/05-22
Location:	Township: Colchester	Latitude:	45° 23' 57"
	N.T.S.: 11E/05	Longitude:	63° 58' 09"
Closest Community: Lower Economy (1 km)			
Minerals Mined: Manganite and pyrolusite			
Host Rock: Shale (Riversdale Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1891			
Underground Workings:	• All signs of previous workings erased by erosion		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: NOEL RIVER		Site #:	11E/05-24
Location:	Township: Hants	Latitude:	45° 18' 18"
	N.T.S.: 11E/05	Longitude:	63° 40' 36"
Closest Community: Densmores Mills (0.5 km)			
Minerals Mined: Pyrolusite			
Host Rock: Sandstone (Horton Group)			
Maximum Depth: 9 meters		Ore Removed (x 1000):	<1 tonnes
Operating Period:			
Underground Workings:	• One 9 m deep shaft		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: BROOKFIELD			Site #:	11E/06-04
Location:	Township: Colchester		Latitude:	45° 16' 16"
	N.T.S.: 11E/06		Longitude:	63° 14' 30"
Closest Community: Upper Brookfield (1 km)				
Minerals Mined: Limonite, hematite and siderite				
Host Rock: Shale (Horton Group)				
Maximum Depth:	36 meters	Ore Removed (x 1000):		40 tonnes
Operating Period: 1889				
Underground Workings:	• Chambers mine with 36 m deep shaft • Pearson mine with two short tunnels (now caved in) and a quarry			
Information Sources: 1, 2, 9				
Information Appended: No		Geothermal Potential: Unlikely		

Mine Name: CLIFTON MINE			Site #:	11E/06-05
Location:	Township: Colchester		Latitude:	45° 20' 10"
	N.T.S.: 11E/06		Longitude:	63° 25' 16"
Closest Community: Clifton (1 km)				
Minerals Mined: Limonite				
Host Rock: Sandstone and shale (Horton Group)				
Maximum Depth:	21 meters	Ore Removed (x 1000):		< 1 tonne
Operating Period: 1873-1903				
Underground Workings:	• 2 shafts			
Information Sources: 1, 2, 9				
Information Appended: No		Geothermal Potential: Unlikely		

Mine Name: TOTTEN BROOK		Site #:	11E/06-07
Location:	Township: Colchester	Latitude:	45° 29' 53"
	N.T.S.: 11E/06	Longitude:	63° 28' 33"
Closest Community: East Folly Mountain (1 km), Debert (5 km)			
Minerals Mined: Hematite			
Host Rock: Ankerite veins			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonne
Operating Period: circa 1880			
Underground Workings:	• Large open cut & several trenches known • No mention of underground workings		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: UPPER KEMPTOWN		Site #:	11E/06-08
Location:	Township: Colchester	Latitude:	45° 29' 48"
	N.T.S.: 11E/06	Longitude:	63° 05' 32"
Closest Community: Upper Kemptown (1 km), Kemptown (2 km)			
Minerals Mined: Limonite			
Host Rock: Sandstone (Canso Group)			
Maximum Depth: 27 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1890-1907			
Underground Workings:	• 2 shafts, 18 and 27 m deep • Shafts now filled with water		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: SMITHFIELD		Site #:	11E/06-13
Location:	Township: Colchester	Latitude:	45° 16' 12"
	N.T.S.: 11E/06	Longitude:	63° 04' 32"
Closest Community: Smithfield (1 km)			
Minerals Mined: Galena			
Host Rock: Limestone (Windsor Group)			
Maximum Depth: 72 meters		Ore Removed (x 1000):	< 1 tonne
Operating Period: 1876-1952			
Underground Workings:	• Workings have been dewatered • 5 shafts ranging from 9 to 72 m in depth • Extensive lateral work (crosscuts & drifting)		
Information Sources: 1, 2, 9, 10			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: EAST MOUNTAIN		Site #:	11E/06-16
Location:	Township: Colchester	Latitude:	45° 24' 59"
	N.T.S.: 11E/06	Longitude:	63° 09' 56"
Closest Community: Manganese Mines (1 km), Brookside (3 km)			
Minerals Mined: Pyrolusite			
Host Rock: Limestone			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1897-1941			
Underground Workings:	• Shaft - vertical 1.5 m and at 55° incline for 8 m • 36 m long slope		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MANGANESE MINES		Site #:	11E-06-17
Location:	Township: Colchester	Latitude:	45° 24' 39"
	N.T.S.: 11E/06	Longitude:	63° 08' 55"
Closest Community: Manganese Mines (1 km)			
Minerals Mined: Pyrolusite			
Host Rock: Sandstone and quartzite (Horton Group)			
Maximum Depth: 21 meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1880-1905			
Underground Workings:	• Included open cut with drifts driven at depths of up to 12 m in the pit • Shaft 21 m deep		
Information Sources: 1, 2, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: NORTH RIVER		Site #:	11E/06-22
Location:	Township: Colchester	Latitude:	45° 27' 39"
	N.T.S.: 11E/06	Longitude:	63° 12' 49"
Closest Community: Central North River (1 km)			
Minerals Mined: Manganese			
Host Rock: Float and veins (Riversdale Group)			
Maximum Depth: meters		Ore Removed (x 1000):	<1 tonne
Operating Period: circa 1881			
Underground Workings:	• Unknown if exploration or operation		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: MAITLAND		Site #:	11E/06-23
Location:	Township: Hants	Latitude:	45° 19' 02"
	N.T.S.: 11E/06	Longitude:	63° 29' 44"
Closest Community: Maitland (0 km)			
Minerals Mined: Manganese			
Host Rock: (Horton Group)			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1887			
Underground Workings:			
Information Sources: 1, 2, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: LANSDOWNE		Site #:	11E/07-02
Location:	Township: Pictou	Latitude:	45° 27' 38"
	N.T.S.: 11E/07	Longitude:	62° 49' 06"
Closest Community: Gairlock (1 km)			
Minerals Mined: Chalcopyrite			
Host Rock: Quartz and quartzite (Canso Group)			
Maximum Depth: 35 meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1899			
Underground Workings:	• 2 adits - 24 and 18 m • Shaft - vertical for 12 m and then inclined for 23 m • Tunnel driven 42 m into hill		
Information Sources: 1, 2, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: BRIDGEVILLE IRON DISTRICT		Site #:	11E/07-05
Location:	Township: Pictou	Latitude:	45° 26' 13"
	N.T.S.: 11E/07	Longitude:	62° 35' 57"
Closest Community: Bridgeville (1 km), Glencoe (1 km)			
Minerals Mined: Limonite			
Host Rock: Slate and shale			
Maximum Depth: meters		Ore Removed (x 1000):	170 tonnes
Operating Period: 1828-1904			
Underground Workings:	• 8 mines		
Information Sources: 1, 2, 9			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: SUNNYBRAE		Site #:	11E/07-06
Location:	Township: Pictou	Latitude:	45° 26' 07"
	N.T.S.: 11E/07	Longitude:	62° 30' 00"
Closest Community: Black Rock and Sunnybrae (1 km)			
Minerals Mined: Limonite and hematite			
Host Rock: Quartzite and slate			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1880's			
Underground Workings:	• Possibly several mines		
Information Sources: 1, 2, 9			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: PEMBROKE		Site #:	11E/07-18
Location:	Township: Colchester	Latitude:	45° 17' 06"
	N.T.S.: 11E/07	Longitude:	62° 56' 14"
Closest Community: Glenbervie (2 km)			
Minerals Mined: Galena			
Host Rock: Limestone (Windsor Group)			
Maximum Depth: 41 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1877-1931			
Underground Workings:	• Pits, trenches and shallow shaft with tunnels • Tunnel length of 41 m • Inclined shaft with lateral work of 21 m • Shaft was dewatered		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: COLLEGE GRANT		Site #:	11E/08-02
Location:	Township: Antigonish	Latitude:	45° 23' 33"
	N.T.S.: 11E/08	Longitude:	62° 05' 14"
Closest Community: South Lochaber (2.5km)			
Minerals Mined: Chalcopyrite			
Host Rock: Quartz & calcite veins in diorite or gabbro			
Maximum Depth: 55 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1876			
Underground Workings:	• Shafts of 23 and 5 m depth		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: LITTLE LISCOMB LAKE		Site #:	11E/08-08
Location:	Township: Guysborough	Latitude:	45° 15' 04"
	N.T.S.: 11E/08	Longitude:	62° 27' 16"
Closest Community: Cameron Settlement (3 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate (Goldenville Formation)			
Maximum Depth: 4 meters		Ore Removed (x 1000):	0.09 tonnes
Operating Period: 1893-1895			
Underground Workings:	• Shaft 4 m deep • Some trenching		
Information Sources: 1, 2, 11, 15			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: OHIO		Site #:	11E/09-01
Location:	Township: Antigonish	Latitude:	45° 32' 04"
	N.T.S.: 11E/09	Longitude:	62° 05' 35"
Closest Community: St. Joseph (1 km)			
Minerals Mined: Chalcopyrite			
Host Rock: Limestone and conglomerate (Keppock Formation)			
Maximum Depth: 12 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1866-1886			
Underground Workings:	• Shaft 12 m deep • Trench		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: BRIERLY BROOK		Site #:	11E/09-03
Location:	Township: Antigonish	Latitude:	45° 36' 24"
	N.T.S.: 11E/09	Longitude:	62° 04' 37"
Closest Community: Brierly Brook (1.0 km)			
Minerals Mined: Chalcopyrite and bornite			
Host Rock: Conglomerate and limestone			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1866-1886			
Underground Workings:	• Two shafts 9 m deep • 1 tunnel 18 m in length		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: GREENVALE		Site #:	11E/09-10
Location:	Township: Pictou	Latitude:	45° 30' 11"
	N.T.S.: 11E/09	Longitude:	62° 29' 06"
Closest Community: Greenvale (1 km)			
Minerals Mined: Gold			
Host Rock: Veins in slate and quartzite (Brierly Brook Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1908			
Underground Workings:	• Several pits, one shaft and caved in tunnel found		
Information Sources: 1, 2, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: TELFORD		Site #:	11E/09-13
Location:	Township: Pictou	Latitude:	45° 34' 22"
	N.T.S.: 11E/09	Longitude:	62° 28' 33"
Closest Community: Telford (1 km)			
Minerals Mined: Siderite			
Host Rock: Siltstone and sandstone (Cumberland Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:	● Field check identified no evidence of past workings		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: HODSON		Site #:	11E/10-01(I)
Location:	Township: Pictou	Latitude:	45° 44' 02"
	N.T.S.: 11E/10	Longitude:	62° 58' 10"
Closest Community: Hodson (1 km)			
Minerals Mined: Barite			
Host Rock: Greywacke (Pictou Group Formation)			
Maximum Depth: 15 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1870-1900			
Underground Workings:	● Shafts of 12 and 15 m depth ● Connected by a 36 m drift ● Dewatered ● 1960 check revealed the shafts had collapsed		
Information Sources: 1, 5			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: SIX MILE BROOK			Site #:	11E/10-03
Location:	Township: Pictou		Latitude:	45° 35' 24"
	N.T.S.: 11E/10		Longitude:	62° 56' 15"
Closest Community: Six Mile Brook (3 km)				
Minerals Mined: Chalcopyrite				
Host Rock: Quartz vein in volcanic and igneous rock (Earltown Formation)				
Maximum Depth: 12 meters		Ore Removed (x 1000): tonnes		
Operating Period:				
Underground Workings:	● Number of pits, shafts and trenches ● Inclined shaft 12 m deep - abandoned when workings let in a brook ● Vertical 9 m deep shaft			
Information Sources: 1, 2				
Information Appended: No		Geothermal Potential: Unlikely		

Mine Name: DURHAM			Site #:	11E/10-05
Location:	Township: Pictou		Latitude:	45° 37' 56"
	N.T.S.: 11E/10		Longitude:	62° 47' 45"
Closest Community: Durham (1 km)				
Minerals Mined: Chalcocite				
Host Rock: Conglomerate in sandstone (Riversdale Group)				
Maximum Depth: meters		Ore Removed (x 1000): tonnes		
Operating Period: prior to 1882				
Underground Workings:	● Mining carried out in small way			
Information Sources: 1, 2, information limited				
Information Appended: No		Geothermal Potential: Unlikely		

Mine Name: OLIVER (FRENCH RIVER)		Site #:	11E/11-02
Location:	Township: Colchester	Latitude:	45° 39' 44"
	N.T.S.: 11E/11	Longitude:	63° 19' 34"
Closest Community: Oliver (1 km)			
Minerals Mined: Chalcocite			
Host Rock: conglomerate and sandstone (French River Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	19 tonnes
Operating Period: 1866-1900 (intermittent)			
Underground Workings:	• Several shafts and trenches		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MATHESON PROSPECT		Site #:	11E/11-06
Location:	Township: Colchester	Latitude:	45° 41' 09"
	N.T.S.: 11E/11	Longitude:	63° 14' 09"
Closest Community: Waugh River (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Calcareous mud chip and conglomerate (French River Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:	• Adit - no longer accessible		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: MINE HOLE BROOK		Site #:	11E/11-07
Location:	Township: Colchester	Latitude:	45° 40' 47"
	N.T.S.: 11E/11	Longitude:	63° 14' 51"
Closest Community: Balfron (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Conglomerate and sandstone (French River Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:	●2 mine sites		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: BLACK RIVER		Site #:	11E/11-08
Location:	Township: Colchester	Latitude:	45° 40' 38"
	N.T.S.: 11E/11	Longitude:	63° 12' 37
Closest Community: Balfron (2 km)			
Minerals Mined: Chalcocite			
Host Rock: Subarkose and conglomerate (French River Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1907-1908			
Underground Workings:	●Mined in two places ●Diggings filled in and overgrown ●91 m adit with 12 m drift		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: BALFRON		Site #:	11E/11-09
Location:	Township: Colchester	Latitude:	45° 40' 23
	N.T.S.: 11E/11	Longitude:	63° 13' 41"
Closest Community: Balfron (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Arkose (French River Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:	• Mine identified by presence of few old timbers below water level		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: WILLIAMSDALE-FARMINGTON		Site #:	11E/12-01
Location:	Township: Cumberland	Latitude:	45° 35' 54"
	N.T.S.: 11E/12	Longitude:	63° 53' 40"
Closest Community: Williamsdale (0.5 km)			
Minerals Mined: Arsenopyrite			
Host Rock: Basalt and quartzite (Boss Point Formation)			
Maximum Depth: 38 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1909-1931			
Underground Workings:	• Some trenching • Shafts ranging in depth from 11 to 38 m • Adit driven 18 metres • Short tunnel		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: RIVERSIDE MINE		Site #:	11E/12-05
Location:	Township: Cumberland	Latitude:	45° 45' 00"
	N.T.S.: 11E/12	Longitude:	63° 50' 47"
Closest Community: Oxford (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Sandstone (Pictou Group)			
Maximum Depth: 12 meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1899			
Underground Workings:	• 12 m deep shaft with drift of 9 m at 7 m level • Shaft was badly slumped and waterfilled when checked		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: PALMER MINE		Site #:	11E/12-06
Location:	Township: Cumberland	Latitude:	45° 40' 02"
	N.T.S.: 11E/12	Longitude:	63° 36' 19"
Closest Community: West Westworth (2 km)			
Minerals Mined: Chalcocite			
Host Rock: Sandstone and shale (Pictou Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1898-1900			
Underground Workings:	• Adit - 76 m with drift 12 m from adit mouth; drift curved, ending above main adit - 61 m from portal		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: FEELEY MINE		Site #:	11E/12-07
Location:	Township: Cumberland	Latitude:	45° 41' 30
	N.T.S.: 11E/12	Longitude:	63° 33' 09"
Closest Community: Lower Wentworth (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Sandstone (French River Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1902			
Underground Workings:	●Tunnel 84 m long at base of 18 m cliff intersected by many drifts		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: FLEMING BROOK MINE		Site #:	11E/12-08
Location:	Township: Cumberland	Latitude:	45° 43' 07
	N.T.S.: 11E/12	Longitude:	63° 33' 41"
Closest Community: Lower Wentworth (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Mudstone and sandstone (Malagash Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:	●Shaft ●Only few timbers now mark site of mine		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: CHISOLM BROOK		Site #:	11E/13-01
Location:	Township: Cumberland	Latitude:	45° 49' 10"
	N.T.S.: 11E/13	Longitude:	63° 41' 03"
Closest Community: Pugwash River (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Sandstone (Malagash Formation)			
Maximum Depth: 18 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1898-1939			
Underground Workings:	• Tunnel 30 m long • Shafts 18 m and 5 m deep		
Information Sources: 1, 2, information limited			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: CANFIELD CREEK		Site #:	11E/13-03
Location:	Township: Cumberland	Latitude:	45° 47' 59"
	N.T.S.: 11E/13	Longitude:	63° 40' 36"
Closest Community: Pugwash Junction (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Sandstone			
Maximum Depth: 8 meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1902			
Underground Workings:	• 1 shaft of 8 m deep • No evidence of shaft during 1985 field check		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: KING MINE		Site #:	11E/13-05
Location:	Township: Cumberland	Latitude:	45° 45' 00"
	N.T.S.: 11E/13	Longitude:	63° 50' 45"
Closest Community: Oxford (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Sandstone (Pictou-Cumberland Group)			
Maximum Depth: 14 meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1899			
Underground Workings:	• Shaft 14 m with drift 27 m		
Information Sources: 1, 2, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: FOUNTAIN ROAD (WALLACE RIVER)		Site #:	11E/13-07
Location:	Township: Cumberland	Latitude:	45° 47' 12"
	N.T.S.: 11E/13	Longitude:	63° 43' 30"
Closest Community: Fountain Road (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Sandstone (Malagash Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:	• No information given		
Information Sources: 1, 2, information limited			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: CANFIELD CREEK		Site #:	11E/13-10
Location:	Township: Cumberland	Latitude:	45° 47' 38"
	N.T.S.: 11E/13	Longitude:	63° 39' 51"
Closest Community: Pugwash Junction (1 km)			
Minerals Mined: Limonite			
Host Rock: Clay (Windsor Group)			
Maximum Depth: 7 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1877-1902			
Underground Workings:	•2 shafts 5 and 7 m deep •2 adits of 6 and 13 m		
Information Sources: 1, 2			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MALAGASH		Site #:	11E/14-04(I)
Location:	Township: Cumberland	Latitude:	45° 47' 32"
	N.T.S.: 11E/14	Longitude:	63° 20' 01"
Closest Community: Malagash (2 km)			
Minerals Mined: Salt (halite)			
Host Rock: Shale with salt (Windsor Group Formation)			
Maximum Depth: 26 meters		Ore Removed (x 1000):	2306 tonnes
Operating Period: 1919-1959			
Underground Workings:	•Shaft sunk to 26 m •Workings reach depth of 344 m, extending for over 305 m		
Information Sources: 1, 5, 9			
Information Appended: Yes		Geothermal Potential: Yes (Chemistry)	

Mine Name: ARISAIG IRON DISTRICT		Site #:	11E/16-03
Location:	Township: Antigonish	Latitude:	45° 45' 18"
	N.T.S.: 11E/16	Longitude:	62° 08' 03"
Closest Community: Arisaig (1 km)			
Minerals Mined: Hematite			
Host Rock: Slate, sandstone and quartzite (Arisaig Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: Circa 1893			
Underground Workings:	• At least 4 mines • Pits, shafts, trenches and tunnel		
Information Sources: 1, 2, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: WINE HARBOUR		Site #:	11F/04-02
Location:	Township: Guysborough	Latitude:	45° 04' 26"
	N.T.S.: 11F/04	Longitude:	61° 50' 54"
Closest Community: Sonora (7 km)			
Minerals Mined: Gold			
Host Rock: Slate and quartzite (Goldenvile Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	76 tonnes
Operating Period: 1862-1939			
Underground Workings:	• Numerous shafts, tunnels • Unwatering		
Information Sources: 1, 3, 9, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: COUNTY HARBOUR		Site #:	11F/04-03
Location:	Township: Guysborough	Latitude:	45° 14' 52"
	N.T.S.: 11F/04	Longitude:	61° 48' 17"
Closest Community: Country Harbour Mines (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins (Goldenville Formation)			
Maximum Depth: 44 meters		Ore Removed (x 1000):	26 tonnes
Operating Period: 1868-1951			
Underground Workings:	• Several tunnels and shafts • One shaft 44 m deep - drifting on 12 and 24 m level		
Information Sources: 1, 3, 9, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: ISAAC'S HARBOUR		Site #:	11F/04-04
Location:	Township: Guysborough	Latitude:	45° 10' 06"
	N.T.S.: 11F/04	Longitude:	61° 37' 52"
Closest Community: Goldboro (2 km)			
Minerals Mined: Gold			
Host Rock: Quartz (Goldenville Formation)			
Maximum Depth: 79 meters		Ore Removed (x 1000):	49 tonnes
Operating Period: 1861-1941			
Underground Workings:	• Many shafts ranging in depth from 30 to 79 m		
Information Sources: 1, 3, 9, 11			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: LOWER SEAL HARBOUR		Site #:	11F/04-05
Location:	Township: Guysborough	Latitude:	45° 10' 18"
	N.T.S.: 11F/04	Longitude:	61° 36' 01"
Closest Community: Isaac's Harbour (3 km)			
Minerals Mined: Gold			
Host Rock: Quartzite and slate (Goldenville Formation)			
Maximum Depth: 168 meters		Ore Removed (x 1000):	395 tonnes
Operating Period: 1905-1941			
Underground Workings:	• Main shaft 168 m deep • Lateral work on 30, 90, 130, & 168 m levels		
Information Sources: 1, 3, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: UPPER SEAL HARBOUR GOLD DIST		Site #:	11F/04-06
Location:	Township: Guysborough	Latitude:	45° 12' 09"
	N.T.S.: 11F/04	Longitude:	61° 38' 21"
Closest Community: Goldboro (1.5 km)			
Minerals Mined: Gold			
Host Rock: Slate and quartzite (Goldenville Formation)			
Maximum Depth: 232 meters		Ore Removed (x 1000):	400 tonnes
Operating Period: 1892-1927			
Underground Workings:	• various shafts ranging in depth from 85 to 232 m		
Information Sources: 1, 3, 9, 10, 11			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: NORTH OGDEN		Site #:	11F/05-01
Location:	Township: Guysborough	Latitude:	45° 21' 13"
	N.T.S.: 11F/05	Longitude:	61° 37' 31"
Closest Community: West Roachdale (1 km)			
Minerals Mined: Chalcopyrite			
Host Rock: Quartz			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:	• No information provided		
Information Sources: 1, 3, information limited			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: COPPER LAKE		Site #:	11F/05-03
Location:	Township: Antigonish	Latitude:	45° 24' 20"
	N.T.S.: 11F/05	Longitude:	61° 58' 45"
Closest Community: Copper Lake (1 km)			
Minerals Mined: Chalcopyrite			
Host Rock: Slate and diorite contact			
Maximum Depth: 41 meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1876-1910			
Underground Workings:	• Shafts ranging from 8 to 41 meters deep		
Information Sources: 1, 3, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: CROFT		Site #:	11F/05-04
Location:	Township: Antigonish	Latitude:	45° 29' 10"
	N.T.S.: 11F/05	Longitude:	61° 50' 35"
Closest Community: Upper Springfield (1 km)			
Minerals Mined: Chalcopyrite and malachite			
Host Rock: Shale (Horton Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:	• 1978 field check revealed an old shaft		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: ERINVILLE (SALMON RIVER)		Site #:	11F/05-05
Location:	Township: Guysborough	Latitude:	45° 23' 33"
	N.T.S.: 11F/05	Longitude:	61° 46' 03"
Closest Community: West Erinville (1 km)			
Minerals Mined: Chalcopyrite and malachite			
Host Rock: Slate			
Maximum Depth: 12 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1866			
Underground Workings:	• 1 shaft sunk 12 m		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: ERINVILLE			Site #:	11F/05-07
Location:	Township: Guysborough		Latitude:	45° 23' 09"
	N.T.S.: 11F/05		Longitude:	61° 44' 51"
Closest Community: West Erinville (1 km)				
Minerals Mined: Specular hematite				
Host Rock:				
Maximum Depth: meters		Ore Removed (x 1000): tonnes		
Operating Period:				
Underground Workings:	●1978 field check showed caved in shafts			
Information Sources: 1, 3, information limited				
Information Appended: No		Geothermal Potential: Unknown		

Mine Name: SANGSTER LAKE			Site #:	11F/05-08
Location:	Township: Guysborough		Latitude:	45° 15' 24"
	N.T.S.: 11F/05		Longitude:	61° 32" 51"
Closest Community: Lundy (3 km)				
Minerals Mined: Gold				
Host Rock: Quartz veins in granite				
Maximum Depth: meters		Ore Removed (x 1000): tonnes		
Operating Period: 1934				
Underground Workings:	●Two timbered shafts ●Water filled			
Information Sources: 1, 3				
Information Appended: No		Geothermal Potential: Unknown		

Mine Name: FOREST HILL		Site #:	11F/05-12
Location:	Township: Guysborough	Latitude:	45° 18' 31"
	N.T.S.: 11F/05	Longitude:	61° 45' 29"
Closest Community: Forest Hill (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins (Goldenville Formation)			
Maximum Depth: 23 meters		Ore Removed (x 1000):	51 tonnes
Operating Period: 1895-1956			
Underground Workings:	• Various tunnelling and shafting • Dewatering (several times) • Three compartment shaft sunk 23 m		
Information Sources: 1, 3, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: POLSONS BROOK		Site #:	11F/05-16
Location:	Township: Antigonish	Latitude:	45° 26' 58"
	N.T.S.: 11F/05	Longitude:	61° 53' 50"
Closest Community: Polsons Brooks (<1 km)			
Minerals Mined: Hematite			
Host Rock: Quartzite and shale (Horton Group)			
Maximum Depth: 21 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1926			
Underground Workings:	• Tunnel into a hill for 29 m (water filled) • Inclined slope for 21 m (caved in)		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: ERINVILLE		Site #:	11F/05-17
Location:	Township: Guysborough	Latitude:	45° 23' 03"
	N.T.S.: 11F/05	Longitude:	61° 43' 38"
Closest Community: East Erinville (1 km)			
Minerals Mined: Specular hematite			
Host Rock: Basalt			
Maximum Depth: 15 meters		Ore Removed (x 1000):	4 tonnes
Operating Period: 1870-1901			
Underground Workings:	• Shaft with three drifts at bottom		
Information Sources: 1, 3, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: SOUTH MANCHESTER		Site #:	11F/06-04
Location:	Township: Guysborough	Latitude:	45° 24' 05"
	N.T.S.: 11F/06	Longitude:	61° 27' 14"
Closest Community: South Manchester (1 km)			
Minerals Mined: Hematite			
Host Rock: Rock of Lower Carboniferous Age			
Maximum Depth: 23 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1895-1913			
Underground Workings:	• 2 pits and shafts • 23 m deep shaft with underground workings		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: STIRLING		Site #:	11F/09-01
Location:	Township: Richmond	Latitude:	45° 43' 49"
	N.T.S.: 11F/09	Longitude:	60° 26' 18"
Closest Community: Stirling (1 km)			
Minerals Mined: Chalcopyrite, galena, pyrite, sphalerite, tennantite, gold			
Host Rock: Volcanics and schists (Fourchu Group)			
Maximum Depth: 357 meters		Ore Removed (x 1000):	783 tonnes
Operating Period: 1906-1956			
Underground Workings:	• 4 compartment shaft - 357 m deep with 8 levels • Mine dewatered		
Information Sources: 1, 3, 9, 10			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: UPPER GLENCOE		Site #:	11F/14-08
Location:	Township: Inverness	Latitude:	45° 55' 15"
	N.T.S.: 11F/14	Longitude:	61° 18' 57"
Closest Community: Whycocomagh (2 km)			
Minerals Mined: Hematite			
Host Rock: Granitic Rocks (Geoge River Group)			
Maximum Depth: 18 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1913			
Underground Workings:	• Shaft to incline depth of 18 m • Several pits and trenches		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: FRASER'S MILL		Site #:	11F/14-37(I)
Location:	Township: Inverness	Latitude:	45° 59' 00"
	N.T.S.: 11F/14	Longitude:	61° 10' 28"
Closest Community: Churchview (1 km), Whycocomagh Indian Reserve (1 km)			
Minerals Mined: Talc			
Host Rock: Dolomite (George River)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1896			
Underground Workings:	• Several pits and shallow shafts		
Information Sources: 1, 6			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: ESKASONI		Site #:	11F/15-06
Location:	Township: Cape Breton	Latitude:	45° 58' 14"
	N.T.S.: 11F/15	Longitude:	60° 35' 27"
Closest Community: Eskasoni (2 km)			
Minerals Mined: Hematite			
Host Rock: Sandstone and shale (McMullan Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonne
Operating Period: circa 1906			
Underground Workings:	• Shafts, tunnels & pits		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MCCUISH MINES		Site #:	11F/15-09
Location:	Township: Cape Breton	Latitude:	45° 48' 53"
	N.T.S.: 11F/15	Longitude:	60° 30' 24"
Closest Community: Enon (<1 km)			
Minerals Mined: Pyrolusite, manganite			
Host Rock: Shale and conglomerate (Horton Group)			
Maximum Depth: meters		Ore Removed (x 1000):	<1 tonnes
Operating Period: 1880-1916			
Underground Workings:	• Shafts, pits, trenches		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: CHRISTMAS ISLAND		Site #:	11F/15-10(I)
Location:	Township: Cape Breton	Latitude:	45° 56' 53"
	N.T.S.: 11F/15	Longitude:	60° 40' 48"
Closest Community: Benacadie (1 km), Castle Bay (3 km)			
Minerals Mined: Graphite			
Host Rock: Shale (Windsor Group)			
Maximum Depth: 23 meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1900			
Underground Workings:	• 1 shaft of ~23 m deep • Shaft is caved in		
Information Sources: 1, information limited			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: LANDING COVE		Site #:	11F/16-11(I)
Location:	Township: Cape Breton	Latitude:	45° 52' 42"
	N.T.S.: 11F/16	Longitude:	60° 01' 01"
Closest Community:			
Minerals Mined: Talc			
Host Rock: Volcanic rocks (Forchu Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:			
Information Sources: 6			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: GRAND MIRA SOUTH		Site #:	11F/16-15
Location:	Township: Cape Breton	Latitude:	45° 53' 02"
	N.T.S.: 11F/16	Longitude:	60° 17' 02"
Closest Community: Grand Mira South (1 km)			
Minerals Mined: Magnetite and hematite			
Host Rock: Slate (MacLean Brook Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1917			
Underground Workings:	• Several shallow shafts and pits		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: SILVER MINE (YAVA)			Site #:	11F/16-25
Location:	Township: Cape Breton		Latitude:	45° 52' 10"
	N.T.S.: 11F/16		Longitude:	60° 24' 07"
Closest Community: Silver Mine (1 km)				
Minerals Mined: Argentiferous galena				
Host Rock: Sandstone				
Maximum Depth:	12 meters	Ore Removed (x 1000):		212 tonnes
Operating Period: circa 1911				
Underground Workings:	• 12 m deep shaft			
Information Sources: 1, 3, 9, 10				
Information Appended: No		Geothermal Potential: Unlikely		

Mine Name: COXHEATH			Site #:	11K/01-01
Location:	Township: Cape Breton		Latitude:	46° 05' 18"
	N.T.S.: 11K/01		Longitude:	60° 21' 18"
Closest Community: Beechmont (2 km)				
Minerals Mined: Chalcopyrite				
Host Rock: Basalt, andesite, rhyolite, slate, quartz, schist, and wacke				
Maximum Depth:	603 meters	Ore Removed (x 1000):		3 tonnes
Operating Period: 1875-1928				
Underground Workings:	• Several shafts, ranging in depth from 30 to 603 m • Extensive lateral workings • Some workings dewatered			
Information Sources: 1, 3, 9, 10				
Information Appended: Yes		Geothermal Potential: Yes		

Mine Name: MACDONALD AND WATSON SHAFTS		Site #:	11K/01-07
Location:	Township: Cape Breton	Latitude:	46° 11' 36"
	N.T.S.: 11K/01	Longitude:	60° 22' 30"
Closest Community: Scotch Lake (1 km)			
Minerals Mined: Chalcopyrite			
Host Rock: Granite (George River Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1933			
Underground Workings:	• 2 shafts and some trenching		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: CURRIE MINE		Site #:	11K/01-10
Location:	Township: Cape Breton	Latitude:	46° 02' 22"
	N.T.S.: 11K/01	Longitude:	60° 27' 39"
Closest Community: McAdams Lake (1 km)			
Minerals Mined: Hematite			
Host Rock: Limestone (George River Group)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1874-1900			
Underground Workings:	• Open pit, trench and shaft		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: INGRAHAM MINE		Site #:	11K/01-12
Location:	Township: Cape Breton	Latitude:	46° 08' 17"
	N.T.S.: 11K/01	Longitude:	60° 27' 05"
Closest Community: Ironville (1 km)			
Minerals Mined: Hematite			
Host Rock: Limestone and slate (George River Group)			
Maximum Depth: 17 meters		Ore Removed (x 1000):	<1 tonne
Operating Period: 1900-1938			
Underground Workings:	• Several shafts ranging from 8 to 17 m deep • Some drifting • Tunnel driven 134 m		
Information Sources: 1, 3, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MACPHERSON MINE		Site #:	11K/01-13
Location:	Township: Cape Breton	Latitude:	46° 09' 26"
	N.T.S.: 11K/01	Longitude:	60° 24' 03"
Closest Community: Barachois Harbour (2 km)			
Minerals Mined: Magnetite			
Host Rock: Carbonate (George Rever Group)			
Maximum Depth: 10 meters		Ore Removed (x 1000):	tonnes
Operating Period: circa 1913			
Underground Workings:	• 3 shallow shafts and several pits • Shaft depths of 6 and 10 m		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: REAR BOISDALE		Site #:	11K/01-16
Location:	Township: Cape Breton	Latitude:	46° 02' 22"
	N.T.S.: 11K/01	Longitude:	60° 27' 39"
Closest Community: McAdams Lake (1 km)			
Minerals Mined: Galena, silver			
Host Rock: Limestone (George River Group)			
Maximum Depth: 21 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1909			
Underground Workings:	•21 m deep shaft with drifts of 9 m from bottom		
Information Sources: 1, 3			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MASKELLS HARBOUR		Site #:	11K/02-03
Location:	Township: Victoria	Latitude:	46° 01' 46"
	N.T.S.: 11K/02	Longitude:	60° 46' 48"
Closest Community: Maskells Harbour (1 km)			
Minerals Mined: Chalcopyrite, galena			
Host Rock: Granitic intrusives, quartzose rocks			
Maximum Depth: 5 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1865-1878			
Underground Workings:			
Information Sources: 1, 5			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MIDDLE RIVER (WAGAMATCOOK)		Site #:	11K/2-08
Location:	Township: Victoria	Latitude:	46° 14' 47"
	N.T.S.: 11K/02	Longitude:	60° 53' 43"
Closest Community: Finlayson (4 km)			
Minerals Mined: Gold			
Host Rock: Schist, granite			
Maximum Depth: 23 meters		Ore Removed (x 1000):	7 tonnes
Operating Period: 1907-1916			
Underground Workings:	• 3 adit levels and 2 compartment shafts at 15 m and 23 m, 371 m of drifting • Workings are inaccessible		
Information Sources: 1, 3, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: EAST LAKE AINSLIE		Site #:	11K/03-01(I)
Location:	Township: Inverness	Latitude:	46° 07' 42"
	N.T.S.: 11K/03	Longitude:	61° 07' 51"
Closest Community: Trout River (1 km), East Lake Ainslie (1 km)			
Minerals Mined: Barite			
Host Rock: Rhyolite tuff (Fisset Brook Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	7 tonnes
Operating Period: 1916-1938			
Underground Workings:	• 2 adits driven • Tunnel driven into hill		
Information Sources: 1, 6			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: SCOTSVILLE		Site #:	11K/03-02(I)
Location:	Township: Inverness	Latitude:	46° 10' 33"
	N.T.S.: 11K/03	Longitude:	61° 08' 33"
Closest Community: Scotsville (1 km)			
Minerals Mined: Barite			
Host Rock: Rhyolitic tuff (Fisset Brook Formation)			
Maximum Depth: 33 meters		Ore Removed (x 1000):	4 tonnes
Operating Period: 1905-1915			
Underground Workings:	• Shaft inclined at 40° and sunk to a slope depth of 33 m with two levels		
Information Sources: 1, 6			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: TROUT RIVER		Site #:	11K/03-05(I)
Location:	Township: Inverness	Latitude:	46° 06' 08"
	N.T.S.: 11K/03	Longitude:	61° 07' 57"
Closest Community: Trout River (0.5 km)			
Minerals Mined: Fluorite			
Host Rock: Rhyolite tuff (Fisset Brook Formation)			
Maximum Depth: 24 meters		Ore Removed (x 1000):	1 tonnes
Operating Period: 1941-1942			
Underground Workings:	• 24 m inclined shaft sunk, with adit		
Information Sources: 1, 6			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MACMILLAN MINES		Site #:	11K/03-06(I)
Location:	Township: Inverness	Latitude:	46° 07' 28"
	N.T.S.: 11K/03	Longitude:	61° 08' 10"
Closest Community: East Lake Ainslie (1 km)			
Minerals Mined: Barite			
Host Rock: Welded rhyolitic tuff (Fisset Brook Formation)			
Maximum Depth: 38 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1903-1908			
Underground Workings:	• Shaft inclined 70° sunk to 38 m • Drifting		
Information Sources: 1, 6			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: CAPE ROUGE		Site #:	11K/10-03(I)
Location:	Township: Inverness	Latitude:	46° 43' 26"
	N.T.S.: 11K/10	Longitude:	61° 55' 38"
Closest Community: Petit Etang (6 km)			
Minerals Mined: Barite			
Host Rock: Slate and phyllite			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1899-1901			
Underground Workings:	• No information provided		
Information Sources: 1, 6			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: MEAT COVE		Site #:	11N/02-02
Location:	Township: Inverness	Latitude:	47° 00' 28"
	N.T.S.: 11N/02	Longitude:	60° 35' 17"
Closest Community: Meat Cove (3 km)			
Minerals Mined: Sphalerite			
Host Rock: Limestone and schist in skarn			
Maximum Depth: 171 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1953-1956			
Underground Workings:	• 171 m of adit • 70 m of cross-cutting		
Information Sources: 1, 5			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: CRANBERRY HEAD		Site #:	21O/16-02
Location:	Township: Yarmouth	Latitude:	43° 53' 56"
	N.T.S.: 20O/16	Longitude:	66° 10' 08"
Closest Community: Sandford (4 km)			
Minerals Mined: Gold			
Host Rock: Fissure vein of quartz in slates (Halifax Formation)			
Maximum Depth: 67 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1869-1920 (intermittent)			
Underground Workings:	• At least 3 shafts from 49 to 67 metres in depth • Rubble filled shafts		
Information Sources: 1, 4			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: PUBNICO		Site #:	20P/12-01
Location:	Township: Yarmouth	Latitude:	43° 42' 16"
	N.T.S.: 20P/12	Longitude:	65° 47' 02"
Closest Community: Pubnico (0 km)			
Minerals Mined: Gold			
Host Rock: (Halifax Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	tonnes
Operating Period: 1885			
Underground Workings:	• No information		
Information Sources: 1, 4, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: FIFTEEN MILE BROOK		Site #:	21A/02-03
Location:	Township: Queens	Latitude:	44° 14' 17"
	N.T.S.: 21A/02	Longitude:	64° 54' 05"
Closest Community: Pleasantfield (1 km)			
Minerals Mined: Gold			
Host Rock: quartz veins in slate (Halifax Formation)			
Maximum Depth: 67 meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1901-1914			
Underground Workings:	• 2 shafts to depth of 67 m		
Information Sources: 1, 4, 9, 15			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MILL VILLAGE		Site #:	21A/02-04
Location:	Township: Queens	Latitude:	44° 09' 38"
	N.T.S.: 21A/02	Longitude:	64° 41' 54"
Closest Community: Mill Village (5 km), Charleston (3 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite and slate (Goldenville Formation)			
Maximum Depth: 58 meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1899-1946 (intermittent)			
Underground Workings:	• Shafts to 58 m with drifts and cross-cut		
Information Sources: 1, 4, 9, 15			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: VOGLERS COVE		Site #:	21A/02-06
Location:	Township: Lunenburg	Latitude:	44° 10' 56"
	N.T.S.: 21A/02	Longitude:	64° 31' 30"
Closest Community: Volgers Cove (2 km)			
Minerals Mined: Gold			
Host Rock: Slate and quartz (Goldenville Formation)			
Maximum Depth: 38 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1895-1905			
Underground Workings:	• Main shaft sunk 38 m with drifts of 30 to 38 m • Other shafts with depths of 14, 15 and 21 m in depth		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: CARLETON DISTRICT		Site #:	21A/04-01
Location:	Township: Yarmouth	Latitude:	44° 00' 20"
	N.T.S.: 21A/04	Longitude:	65° 56' 10"
Closest Community: Carleton (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite and slate (Goldenville Formation)			
Maximum Depth: 58 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period:			
Underground Workings:			
Information Sources: 1, 4, 9, 15, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: HILTON GOLD PROSPECT		Site #:	21A/04-02
Location:	Township: Yarmouth	Latitude:	44° 01' 23"
	N.T.S.: 21A/04	Longitude:	65° 55' 07"
Closest Community: Carleton (3 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite (Goldenville Formation)			
Maximum Depth: 18 meters		Ore Removed (x 1000):	tonnes
Operating Period:			
Underground Workings:			
Information Sources: 1, 4, information limited			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: KEMPTVILLE		Site #:	21A/04-03
Location:	Township: Yarmouth	Latitude:	44° 03' 17"
	N.T.S.: 21A/04	Longitude:	65° 50' 37"
Closest Community: Kemptville (2 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 84 meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1885-1938			
Underground Workings:	● Number of shafts and cross-cuts		
Information Sources: 1, 4, 9, 15			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: SNARE LAKE (N. CARLETOWN)		Site #:	21A/04-04
Location:	Township: Yarmouth	Latitude:	44° 00' 26"
	N.T.S.: 21A/04	Longitude:	65° 51' 01"
Closest Community: Kemptville (4 km)			
Minerals Mined: Lead			
Host Rock: Quartzite (Goldenville Formation)			
Maximum Depth: 20 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1923-1928			
Underground Workings:	● Shaft sunk 20 m depth with drifting ● Dewatered shaft		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: WHITEBURN		Site #:	21A/06-01
Location:	Township: Queens	Latitude:	44° 18' 38"
	N.T.S.: 21A/06	Longitude:	65° 04' 31"
Closest Community: Caledonia (6 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite (Goldenville Formation)			
Maximum Depth: 61 meters		Ore Removed (x 1000):	10 tonnes
Operating Period: 1885-1941 (Intermittent)			
Underground Workings:	• A number or shafts to a maximum depth of 61 m with some drifts and cross-cuts • Dewatering requirement		
Information Sources: 1, 4, 9, 15			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: WEST CALEDONIA		Site #:	21A/06-02
Location:	Township: Queens	Latitude:	44° 21' 20"
	N.T.S.: 21A/06	Longitude:	65° 10' 17"
Closest Community: West Caledonia (2 km), Caledonia (7 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 12 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1890's-1936			
Underground Workings:			
Information Sources: 1, 4, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: LEIPSIGATE GOLD DISTRICT		Site #:	21A/07-01
Location:	Township: Lunenburg	Latitude:	44° 19' 06"
	N.T.S.: 21A/07	Longitude:	64° 36' 23"
Closest Community: Conquerall (5 km)			
Minerals Mined: Gold			
Host Rock: Quartz viens in quartzite (Goldenville Formation)			
Maximum Depth: 182 meters		Ore Removed (x 1000):	34 tonnes
Operating Period: 1883-1908			
Underground Workings:	• A number of shafts, drifts and raises		
Information Sources: 1, 4, 9, 15			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MOLEGA GOLD DISTRICT		Site #:	21A/07-03
Location:	Township: Queens	Latitude:	44° 19' 54"
	N.T.S.: 21A/07	Longitude:	64° 54' 09"
Closest Community: Molega (1 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite			
Maximum Depth: 99 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1888-1950			
Underground Workings:	• 3 mine sites • Several shafts, with depths of 46 m, 79 m, 89 m, 49 m and 99 m • Stopping and drifting • Dewatering		
Information Sources: 1, 4			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: BROOKFIELD GOLD DISTRICT		Site #:	21A/07-04
Location:	Township: Queens	Latitude:	44° 26' 16"
	N.T.S.: 21A/07	Longitude:	64° 55' 08"
Closest Community: North Brookfield (4 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate and quartzite (Goldenville Formation)			
Maximum Depth: 38 meters		Ore Removed (x 1000):	97 tonnes
Operating Period: 1886-1928			
Underground Workings:	• Several shafts • Shaft 38 m depth • Stopes • Dewatering		
Information Sources: 1, 4, 9			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: PLEASANT RIVER GOLD DISTRICT		Site #:	21A/07-05
Location:	Township: Lunenburg	Latitude:	44° 26' 51"
	N.T.S.: 21A/07	Longitude:	64° 47' 05"
Closest Community: Colpton (4.5 km)			
Minerals Mined: Gold			
Host Rock: Quartzite (Goldenville Formation)			
Maximum Depth: 38 meters		Ore Removed (x 1000):	463 tonnes
Operating Period: 1889-1913			
Underground Workings:	• Shafts sunk to depths of 38 m and 20 m • Dewatering		
Information Sources: 1, 4, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: WESTFIELD		Site #:	21A/07-08
Location:	Township: Queens	Latitude:	44° 24' 24"
	N.T.S.: 21A/07	Longitude:	64° 59' 47"
Closest Community: Westfield (1 km)			
Minerals Mined: Scheelite			
Host Rock: Slate with quartz veins (Halifax Formation)			
Maximum Depth: 21 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1888-1895			
Underground Workings:	• Shaft sunk to depth of 21 m		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: OVENS GOLD DISTRICT		Site #:	21A/08-01
Location:	Township: Lunenburg	Latitude:	44° 19' 22"
	N.T.S.: 21A/08	Longitude:	64° 15' 37"
Closest Community: Cunard Cove (1 km)			
Minerals Mined: Gold			
Host Rock: Slate with quartz veins (Halifax Formation)			
Maximum Depth: 18 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1862-1936			
Underground Workings:	• Several shafts sunk 9 m to 18 m depth • Tunnel driven 43 m from the shore		
Information Sources: 1, 4, 15			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: BLOCKHOUSE GOLD DISTRICT			Site #:	21A/08-06
Location:	Township: Lunenburg		Latitude:	44° 26' 11"
	N.T.S.: 21A/08		Longitude:	64° 25' 23"
Closest Community: Blockhouse (2 km)				
Minerals Mined: Gold				
Host Rock: Quartz veins in quartzite/slate (Halifax Formation)				
Maximum Depth:	91 meters	Ore Removed (x 1000):		6 tonnes
Operating Period:				
Underground Workings:				
Information Sources: 1, 4, 9, 15, information limited				
Information Appended: No		Geothermal Potential: Yes		

Mine Name: INDIAN PATH			Site #:	21A/08-13
Location:	Township: Lunenburg		Latitude:	44° 19' 46"
	N.T.S.: 21A/08		Longitude:	64° 20' 33"
Closest Community: Indian Path (1 km), Baysport (2 km)				
Minerals Mined: Gold and scheelite				
Host Rock: Veins in slate (Halifax Formation)				
Maximum Depth:	305 meters	Ore Removed (x 1000):		tonnes
Operating Period:				
Underground Workings:				
Information Sources: 1, 4, information limited				
Information Appended: No		Geothermal Potential: Yes		

Mine Name: GOLD RIVER GOLD DISTRICT		Site #:	21A/09-03
Location:	Township: Lunenburg	Latitude:	44° 34' 29"
	N.T.S.: 21A/09	Longitude:	64° 19' 54"
Closest Community: Chester Basin (2 kms), Gold River (3 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in quartzite (Goldenville Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period:			
Underground Workings:	• Number of shaft and depths uncertain		
Information Sources: 1, 4, 9, 15, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: STANBURN		Site #:	21A/10-02
Location:	Township: Lunenburg	Latitude:	44° 37' 15"
	N.T.S.: 21A/10	Longitude:	64° 44' 47"
Closest Community: North River (3 km)			
Minerals Mined: Gold			
Host Rock: Quartz veins in slate (Goldenville Formation)			
Maximum Depth: 9 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period:			
Underground Workings:			
Information Sources: 1, 4, 15, information limited			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: NICTAUX-TORBROOK		Site #:	21A/14-03
Location:	Township: Annapolis	Latitude:	44° 54' 38"
	N.T.S.: 21A/14	Longitude:	65° 01' 41"
Closest Community: Torbrook (1 km)			
Minerals Mined: Iron-hematite, magnetite			
Host Rock: Slate			
Maximum Depth: 107 meters		Ore Removed (x 1000):	144 tonnes
Operating Period: 1825-1913			
Underground Workings:	• Shaft depth of 107m • Shaft reported to be water filled		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: NICTAUX-TORBROOK IRON DIST		Site #:	21A/15-01
Location:	Township: Annapolis	Latitude:	44° 55' 15"
	N.T.S.: 21A/15	Longitude:	64° 59' 09"
Closest Community: Nictaux Falls (0.5 km - 4 kms); Torbrook Mines (1-10 kms)			
Minerals Mined: Hematite and magnetite			
Host Rock: Slate (Torbrook Formation)			
Maximum Depth: 152 meters		Ore Removed (x 1000):	181 tonnes
Operating Period: 1825-1913 (intermittent)			
Underground Workings:	• Numerous shafts and underground workings (levels) • Longest cross-cut 366 metres • Shaft allowed to fill with water in 1906		
Information Sources: 1, 4, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: NICHOLSVILLE (AYLESFORD)		Site #:	21A/15-03
Location:	Township: Kings	Latitude:	44° 58' 34"
	N.T.S.: 21A/15	Longitude:	64° 50' 12"
Closest Community: Nicholsville (3 km), Millville (4 km)			
Minerals Mined: Pyrolusite, barite			
Host Rock: Veins in slates (Whiterock Formation)			
Maximum Depth: 122 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1885-1918 (intermittent)			
Underground Workings:			
Information Sources: 1, 4, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: DEAN AND CHAPTER LAKE		Site #:	21A/16-06
Location:	Township: Lunenburg	Latitude:	44° 52' 07"
	N.T.S.: 21A/16	Longitude:	64° 26' 16"
Closest Community: Leminster (1 km)			
Minerals Mined: Manganite, pyrolusite			
Host Rock: Biotite granite			
Maximum Depth: 70 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1912-1958			
Underground Workings:	• 3 interconnected shafts ranging in depth from 26 to 70 m • Shaft 49 m depth		
Information Sources: 1, 4, 9			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: CAIN MINE (LOWER MINE)		Site #:	21A/16-07
Location:	Township: Lunenburg	Latitude:	44° 50' 52"
	N.T.S.: 21A/16	Longitude:	64° 26' 54"
Closest Community: Aldersville (5 km)			
Minerals Mined: Pyrolusite			
Host Rock: Granite			
Maximum Depth: 61 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1881-1960 (intermittent)			
Underground Workings:	• A number of shafts ranging in depth from 14 to 61 m		
Information Sources: 1, 4, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: RIDDLE MINE (NEW ROSS)		Site #:	21A/16-08
Location:	Township: Lunenburg	Latitude:	44° 50' 46"
	N.T.S.: 21A/16	Longitude:	64° 27' 14"
Closest Community: Pennall Indian Reserve (5 km)			
Minerals Mined: Pyrolusite			
Host Rock: Biotite granite			
Maximum Depth: 30 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1916-1920's			
Underground Workings:	• Shaft sunk to depth of 30 m with drifts of 12 m and 152 m • Shaft sunk to 8 m depth		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: WALKER PROSPECT			Site #:	21A/16-10
Location:	Township: Lunenburg		Latitude:	44° 46' 21"
	N.T.S.: 21A/16		Longitude:	64° 24' 54"
Closest Community: New Russel (1 km)				
Minerals Mined: Molybdenite				
Host Rock: Porphyritic granite				
Maximum Depth:	152 meters	Ore Removed (x 1000):		tonnes
Operating Period: 1917-1950 (intermittent)				
Underground Workings:	• At least 2 shafts			
Information Sources: 1, 4				
Information Appended: No		Geothermal Potential: Yes		

Mine Name: TURNER TIN			Site #:	21A/16-12
Location:	Township: Lunenburg		Latitude:	44° 47' 17"
	N.T.S.: 21A/16		Longitude:	64° 26' 56"
Closest Community: Mill Road (1 km)				
Minerals Mined: Cassiterite				
Host Rock: Greisen and quartz cutting muscovite granite				
Maximum Depth:	40 meters	Ore Removed (x 1000):		tonnes
Operating Period: 1907-1911				
Underground Workings:	• Shafts sunk to depths of 8, 9, 17, 40 and 11 m • Dewatering			
Information Sources: 1, 5				
Information Appended: No		Geothermal Potential: Yes		

Mine Name: TOMLINSON MINE - PEMBROKE		Site #:	21H/01-01
Location:	Township: Hants	Latitude:	45° 10' 50"
	N.T.S.: 21H/01	Longitude:	64° 02' 57"
Closest Community: Pembroke (5 km)			
Minerals Mined: Hematite and limonite			
Host Rock: Quartzite and sandstone (Cheverie Formation)			
Maximum Depth: 9 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1902-1903			
Underground Workings:			
Information Sources: 1, 4, information limited			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: GOSHEN MINE		Site #:	21H/01-02
Location:	Township: Hants	Latitude:	45° 09' 48"
	N.T.S.: 21H/01	Longitude:	64° 04' 42"
Closest Community: Goshen (0 km)			
Minerals Mined: Limonite			
Host Rock: Limestone (Windsor Group)			
Maximum Depth: 161 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1885-1893			
Underground Workings:	• Several shafts and some drifting		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: WALTON-MAGNET COVE MINE		Site #:	21H/01-08
Location:	Township: Hants	Latitude:	45° 12' 23"
	N.T.S.: 21H/01	Longitude:	64° 02' 35"
Closest Community: Pembroke (4 km), Walton (5 km)			
Minerals Mined: Galena, sphalerite, barite			
Host Rock: Limestone (Windsor Group)			
Maximum Depth: 523 meters		Ore Removed (x 1000):	3900 tonnes
Operating Period: 1940-1970			
Underground Workings:	• A number of shafts and levels • Mine flooded in 1970		
Information Sources: 1, 4, 9			
Information Appended: Yes		Geothermal Potential: Yes	

Mine Name: STEPHENS MINES		Site #:	21H/01-13
Location:	Township: Hants	Latitude:	45° 13' 16"
	N.T.S.: 21H/01	Longitude:	64° 00' 53"
Closest Community: Walton (1 km)			
Minerals Mined: Manganite			
Host Rock: Limestone (Macumber and Pembrooke Formation)			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1870-1907			
Underground Workings:	• Main workings consisted of 4 shallow shafts • Workings are now caved and inaccessible		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: FEUCHTWANGER PROPERTY		Site #:	21H/01-16
Location:	Township: Hants	Latitude:	45° 11' 57"
	N.T.S.: 21H/01	Longitude:	64° 02' 37"
Closest Community: Pembroke (3 km)			
Minerals Mined: Pyrolusite, barite			
Host Rock: Limestone			
Maximum Depth: 12 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1885-1918			
Underground Workings:	●3 caved shafts ●2 shafts 9 m deep with one 18 m drift ●dewatered ●Shaft 12 m depth		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: STURGIS MINE (WALTON)		Site #:	21H/01-17
Location:	Township: Hants	Latitude:	45° 11' 57"
	N.T.S.: 21H/01	Longitude:	64° 02' 43"
Closest Community: Pembroke (3 km)			
Minerals Mined: Pyrolusite			
Host Rock: Sandstone and quartzite (Cheverie Formation)			
Maximum Depth: 18 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1877-1918			
Underground Workings:	●Three inaccessible shafts ●1 shaft 18 m deep with 21 m drift		
Information Sources: 1, 5			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: SUGARWOODS (CHEVERIE)		Site #:	21H/01-21
Location:	Township: Hants	Latitude:	45° 08' 05"
	N.T.S.: 21H/01	Longitude:	64° 09' 21"
Closest Community: Kempt Shore (3 km)			
Minerals Mined: Bog manganese			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1932			
Underground Workings:			
Information Sources: 1, 5			
Information Appended: No		Geothermal Potential: Unknown	

Mine Name: BISHOP BROOK		Site #:	21H/01-25
Location:	Township: Kings	Latitude:	43° 03' 10"
	N.T.S.: 21H/01	Longitude:	64° 29' 39"
Closest Community: Highbury (1 km)			
Minerals Mined: Pyrolusite			
Host Rock: Slate (Halifax Formation)			
Maximum Depth: 6 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: 1800-1942			
Underground Workings:	• Trenchs • Several pits • Referred as a mine but no mention of shafts		
Information Sources: 1, 5			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: CHEVERIE MINE		Site #:	21H/01-26
Location:	Township: Hants	Latitude:	45° 09' 01"
	N.T.S.: 21 H/01	Longitude:	64° 11' 11"
Closest Community: White Head (1 km)			
Minerals Mined: Pyrolusite, manganite, barite			
Host Rock: Limestone (Pembroke Formation)			
Maximum Depth: 8 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: Circa 1880			
Underground Workings:	• Several pits • Shaft sunk to a depth of 8 m • Workings caved and inaccessible		
Information Sources: 1, 5			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: CAP D'OR		Site #:	21H/07-02
Location:	Township: Cumberland	Latitude:	45° 18' 50"
	N.T.S.: 21H/07	Longitude:	64° 43' 55"
Closest Community: East Advocate (2 km)			
Minerals Mined: Copper			
Host Rock: Basalt (North Mountain Formation)			
Maximum Depth: 254 meters		Ore Removed (x 1000):	57 tonnes
Operating Period: 1901-1907			
Underground Workings:	• Shaft at 114 m with drifts at 67 m and 111 m • Shaft sunk to 55 m • Over 259 m of drifting done • Shaft sunk to 254 m with 366 m of lateral development		
Information Sources: 1, 4, 9			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: BASS RIVER OF FIVE ISLANDS		Site #:	21H/08-04(I)
Location:	Township: Colchester	Latitude:	45° 26' 31"
	N.T.S.: 21H/08	Longitude:	64° 02' 39"
Closest Community: Five Islands (3 km)			
Minerals Mined: Barite			
Host Rock: Siltstone, sandstone and argillite			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1866-1876			
Underground Workings:	● Numerous shafts, tunnels and pits ● No workings below the level of the river		
Information Sources: 1, 7			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: MACCAN		Site #:	21H/09-01
Location:	Township: Cumberland	Latitude:	45° 43' 58"
	N.T.S.: 21H/09	Longitude:	64° 14' 57"
Closest Community: Maccan (1 km)			
Minerals Mined: Chalcocite			
Host Rock: Sandstone			
Maximum Depth: 24 meters		Ore Removed (x 1000):	tonnes
Operating Period: 1897			
Underground Workings:	● Inclined shaft sunk to depth of 24 m ● 1977 field check could not locate mine site		
Information Sources: 1, 4, 9			
Information Appended: No		Geothermal Potential: Unlikely	

Mine Name: BROOKDALE		Site #:	21H/16-01
Location:	Township: Cumberland	Latitude:	45° 47' 18"
	N.T.S.: 21H/16	Longitude:	64° 08' 48"
Closest Community: Brookdale (1 km)			
Minerals Mined: Barite, pyrolusite, manganite			
Host Rock: Limestone (Windsor Group Formation)			
Maximum Depth: 18 meters		Ore Removed (x 1000):	< 1 tonnes
Operating Period: circa 1957			
Underground Workings:	• Shaft 18 m depth • Shaft reported to be located under the house		
Information Sources: 1, 4			
Information Appended: No		Geothermal Potential: Yes	

NOVA SCOTIA INVENTORY DATA SHEETS

(COAL MINES)

Mine Name: Blockhouse		Site #: NS-C1
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11J/04	Longitude:
Closest Community: Port Morien (0.5 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	1060 tonnes
Operating Period: 1868-1888		
Underground Workings:	• Blockhouse seam	
Information Sources: 9, 12, 13		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Bridgeport		Site #: NS-C2
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11J/04	Longitude:
Closest Community: Bridgeport		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	79 tonnes
Operating Period: 1884-1892		
Underground Workings:	• Phalen seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Broughton		Site #: NS-C3
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11J/04	Longitude:
Closest Community: Broughton		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	51 tonnes
Operating Period: 1914-1915		
Underground Workings:	• Tracy seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Caledonia		Site #: NS-C4
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11J/04	Longitude:
Closest Community: Glace Bay		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	1391 tonnes
Operating Period: 1864-1892		
Underground Workings:	• Phalen seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Clyde/Ontario		Site #: NS-C5
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11J/04	Longitude:
Closest Community: Donkin (1 km), Port Caledonia (0.5 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	216 tonnes
Operating Period: 1863-1892		
Underground Workings:	• Phalen seam	
Information Sources: 9, 12, 13		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Crystal		Site #: NS-C6
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11J/04	Longitude:
Closest Community: Broughton		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	15 tonnes
Operating Period: 1956-1962		
Underground Workings:	• Tracy seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Dominion Colliery			Site #: NS-C7
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	78,332 tonnes
Operating Period: 1893-1922			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion/Devco No. 20			Site #: NS-C8
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	15, 898 tonnes
Operating Period: 1939-1971			
Underground Workings:	• Phalen seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion/Devco No. 26			Site #: NS-C9
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Bridgeport (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	24,634 tonnes
Operating Period: 1944-1985			
Underground Workings:	• Phalen seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 1B			Site #: NS-C10
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Bridgeport (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	15,844 tonnes
Operating Period: 1924-1955			
Underground Workings:	• Phalen/Harbour seams		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 2			Site #: NS-C11
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	18,331 tonnes
Operating Period: 1911-1949			
Underground Workings:	●Phalen seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 3			Site #: NS-C12
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	626 tonnes
Operating Period: 1910-1924			
Underground Workings:	●Phalen seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 4			Site #: NS-C13
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/104		Longitude:
Closest Community: Glace Bay (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	18,066 tonnes
Operating Period: 1910-1961			
Underground Workings:	● Phalen seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 6			Site #: NS-C14
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Donkin (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2869 tonnes
Operating Period: 1910-1930			
Underground Workings:	● Phalen seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 7			Site #: NS-C15
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,171 tonnes
Operating Period: 1910-1925			
Underground Workings:	• Hub seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 8			Site #: NS-C16
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Bridgeport (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	546 tonnes
Operating Period: 1910-1914			
Underground Workings:	• Harbour seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 9			Site #: NS-C17
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3,013 tonnes
Operating Period: 1910-1925			
Underground Workings:	• Harbour seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 11			Site #: NS-C18
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	6,568 tonnes
Operating Period: 1913-1949			
Underground Workings:	• Emery seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 21			Site #: NS-C19
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Birch Grove (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,166 tonnes
Operating Period: 1911-1925			
Underground Workings:	• Gowrie seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 22			Site #: NS-C20
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Birch Grove (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2,124 tonnes
Operating Period: 1912-1930			
Underground Workings:	• McAuley/Gowrie seams		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 24			Site #: NS-C21
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	5,252tonnes
Operating Period: 1920-1953			
Underground Workings:	●Emery seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Emery			Site #: NS-C22
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Reserve			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	28 tonnes
Operating Period: 1872-1878			
Underground Workings:	●Emery seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Four Star			Site #: NS-C23
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Broughton (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,400 tonnes
Operating Period: 1950-1969			
Underground Workings:	• Tracy seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Glace Bay			Site #: NS-C24
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Glace Bay			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,265 tonnes
Operating Period: 1863-1892			
Underground Workings:	• Hub/Harbour seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Gowrie			Site #: NS-C25
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Port Morien (1 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,751 tonnes
Operating Period: 1863-1892			
Underground Workings:	• Gowrie/McAuley seams		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Gowrie and Blockhouse			Site #: NS-C26
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Port Morien			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	183 tonnes
Operating Period: 1901-1907			
Underground Workings:	• Gowrie/Blockhouse seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Hiawatha			Site #: NS-C27
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: False Bay (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	5 tonnes
Operating Period: 1920-1921			
Underground Workings:	●Tracy seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: International			Site #: NS-C28
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Bridgeport			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,594 tonnes
Operating Period: 1863-1892			
Underground Workings:	●Harbour seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Lorway			Site #: NS-C29
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Reserve Mines			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1869-1872			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Mira			Site #: NS-C30
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Mira Bay			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.5 tonnes
Operating Period: 1863-1870			
Underground Workings:	• Tracy seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: New Broughton			Site #: NS-C31
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Broughton			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1936-1937			
Underground Workings:	• Mosley seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: North Atlantic			Site #: NS-C32
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Port Morien			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	248 tonnes
Operating Period: 1907-1912			
Underground Workings:	• McAuley/Gowrie seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Reserve		Site #: NS-C33
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11J/04	Longitude:
Closest Community: Reserve Mines		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	1,421 tonnes
Operating Period: 1871-1892		
Underground Workings:	• Phalen seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Schooner Pond		Site #: NS-C34
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11J/04	Longitude:
Closest Community: Donkin (1 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	17 tonnes
Operating Period: 1872-1874		
Underground Workings:	• Emery/McPhail seams	
Information Sources: 9, 12, 13		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: South Head/Cow Bay			Site #: NS-C35
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11J/04		Longitude:
Closest Community: Port Morien			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	6 tonnes
Operating Period: 1868-1877			
Underground Workings:	●Spencer seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Barasois			Site #: NS-C36
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.3 tonnes
Operating Period: 1884-1886			
Underground Workings:	●Lingan main seam		
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Barrington			Site #: NS-C37
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	11 tonnes
Operating Period: 1923-1925			
Underground Workings:	• Greener seam		
Information Sources: 9 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Beaver			Site #: NS-C38
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Broughton (3 km), Morrison Road (1 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	165 tonnes
Operating Period: 1950-1961			
Underground Workings:	• Tracy seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Black Diamond			Site #: NS-C39
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3.5 tonnes
Operating Period: 1938-1940			
Underground Workings:	• Clay seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Colonial Colliery			Site #: NS-C40
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/		Longitude:
Closest Community: North Sydney			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3,033 tonnes
Operating Period: 1907-1958			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Colonial No. 2			Site #: NS-C41
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: North Sydney (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	257 tonnes
Operating Period: 1909-1924			
Underground Workings:	• Mackay seam		
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion/Devco No. 12			Site #: NS-C42
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: New Waterford			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	28, 073 tonnes
Operating Period: 1908-1971			
Underground Workings:	• Victoria seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 1/1A			Site #: NS-C43
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Dominion (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	6,611 tonnes
Operating Period: 1907-1927			
Underground Workings:	• Phalen seam		
Information Sources: 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 5			Site #: NS-C44
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Reserve Mines (0 km), Belgiumtown (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2,272 tonnes
Operating Period: 1910-1939			
Underground Workings:	• Phalen seamn		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 10			Site #: NS-C45
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Reserve Mines (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	5, 335 tonnes
Operating Period: 1910-1942			
Underground Workings:	● Emery seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 14			Site #: NS-C46
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: New Waterford (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	4,745 tonnes
Operating Period: 1909-1932			
Underground Workings:	● Victoria seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 15			Site #: NS-C47
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: New Waterford (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,239 tonnes
Operating Period: 1910-1925			
Underground Workings:	●Lingan seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 16			Site #: NS-C48
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: New Waterford (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	16,770 tonnes
Operating Period: 1911-1962			
Underground Workings:	●Lingan seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 25			Site #: NS-C49
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Dominion (3 km), Gardiner Mines (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2,023 tonnes
Operating Period: 1942-1959			
Underground Workings:	●Gardiner seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Gardiner			Site #: NS-C50
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: New Waterford			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	94 tonnes
Operating Period: 1868-1892			
Underground Workings:	●Lorway seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Greener			Site #: NS-C51
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	623 tonnes
Operating Period: 1896-1963			
Underground Workings:	• Greener seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Harbourside			Site #: NS-C52
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: North Sydney (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	44 tonnes
Operating Period: 1928-1933			
Underground Workings:	• Mullins seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Hartigan			Site #: NS-C53
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0.5 km), Gannon Road (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1925-1929			
Underground Workings:			
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Jack Pit			Site #: NS-C54
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1920			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Julilee No. 6			Site #: NS-C55
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	595 tonnes
Operating Period: 1913-1924			
Underground Workings:	●No. 3/No. 4 seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Last Chance			Site #: NS-C56
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0.5 km), Gannon Road (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	8 tonnes
Operating Period: 1935-1936			
Underground Workings:	●Clay seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Lingan (old)			Site #: NS-C57
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Lingan (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	659 tonnes
Operating Period: 1863-1886			
Underground Workings:	• Lingan main seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacDougal			Site #: NS-C58
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0.5 km), Gannon Road (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	17 tonnes
Operating Period: 1935-1939			
Underground Workings:	• Collins/clay seams		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: North Sydney/Indian Cove			Site #: NS-C59
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: North Sydney			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	116 tonnes
Operating Period: 1895-1919			
Underground Workings:	• No. 3 seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Prospect			Site #: NS-C60
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	8 tonnes
Operating Period: 1928-1931			
Underground Workings:	• Greener seam		
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Silver Lake			Site #: NS-C61
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Broughton (6 km), Morrison Road (1 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1934-1935			
Underground Workings:	●Tracy seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sullivan/Indian Cove			Site #: NS-C62
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	57 tonnes
Operating Period: 1934-1940			
Underground Workings:			
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sydney Mines Colliery			Site #: NS-C63
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	38, 882 tonnes
Operating Period: 1863-1962			
Underground Workings:	●Sydney main seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sydney No. 5/Queen			Site #: NS-C64
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	818 tonnes
Operating Period: 1908-1916			
Underground Workings:	●Sydney main seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Thompson			Site #: NS-C65
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	7 tonnes
Operating Period: 1938-1940			
Underground Workings:	• Greener seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Tom Pit			Site #: NS-C66
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/01		Longitude:
Closest Community: Sydney Mines (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	681 tonnes
Operating Period: 1920-1942			
Underground Workings:	• Greener seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Tomson		Site #: NS-C67
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11K/01	Longitude:
Closest Community: Sydney Mines		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	422 tonnes
Operating Period: 1940-1962		
Underground Workings:	• Greener/Upper Jubilee seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Victoria		Site #: NS-C68
Location:	Township: Cape Breton	Latitude:
	N.T.S.: 11K/01	Longitude:
Closest Community: New Waterford (4 km), Victoria Mines (0 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	827 tonnes
Operating Period: 1867-1893		
Underground Workings:	• Ross/Victoria seams	
Information Sources: 9, 12, 13		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Atlantic			Site #: NS-C69
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Bras d'Or (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	21 tonnes
Operating Period: 1957-1959			
Underground Workings:	• Collins seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Boularderie			Site #: NS-C70
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Little Bras d'Or Bridge			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.5 tonnes
Operating Period: 1931			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Bras d'Or No. 5			Site #: NS-C71
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Bras d'Or			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	20 tonnes
Operating Period: 1943-1946			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Coastal			Site #: NS-C72
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Point Aconi			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	18 tonnes
Operating Period: 1918-1922			
Underground Workings:	• Stubbart seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Collins			Site #: NS-C73
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Little Bras d'Or Bridge			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	28 tonnes
Operating Period: 1863-1878			
Underground Workings:	• Collins seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Colonial No. 1			Site #: NS-C74
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Bras d'Or (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2,310 tonnes
Operating Period: 1909-1958			
Underground Workings:	• Collins seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Colonial No. 3			Site #: NS-C75
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Bras d'Or (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.3 tonnes
Operating Period: 1918			
Underground Workings:			
Information Sources: 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Colonial No. 4			Site #: NS-C76
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Bras d'Or (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	347 tonnes
Operating Period: 1920-1924			
Underground Workings:	• Gardiner/Greener seams		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Colonial No. 5			Site #: NS-C77
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Florence (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	10 tonnes
Operating Period: 1920-1923			
Underground Workings:			
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion/Devco No. 18			Site #: NS-C78
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: New Waterford (1 km), New Victoria (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	6,688 tonnes
Operating Period: 1938-1966			
Underground Workings:	• Lingan/Harbour seams		
Information Sources: 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Dominion No. 17			Site #: NS-C79
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: New Victoria (0 km), New Waterford (2 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	33 tonnes
Operating Period: 1914-1921			
Underground Workings:	• Victoria seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Franklin			Site #: NS-C80
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Florence (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,274 tonnes
Operating Period: 1885-1957			
Underground Workings:	• Sydney/Sullivan seams		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

		Site #:	NS-C81
Location:	Township: Cape Breton	Latitude:	
	N.T.S.: 11K/08	Longitude:	
Closest Community: Low Point			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.4 tonnes
Operating Period: 1867-1876			
Underground Workings:	●Indian Cove seam		
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Lloyd Cove No. 7		Site #:	NS-C82
Location:	Township: Cape Breton	Latitude:	
	N.T.S.: 11K/08	Longitude:	
Closest Community: Alder Point (0.5 km), Little Pond (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	274 tonnes
Operating Period: 1947-1956			
Underground Workings:	●Lloyd Cove seam		
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Low Point			Site #: NS-C83
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Low Point			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.1 tonnes
Operating Period: 1925			
Underground Workings:	● Mullins seam		
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacDonald			Site #: NS-C84
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Bras d'Or (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	21 tonnes
Operating Period: 1932-1934			
Underground Workings:	● Greener seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Matheson			Site #: NS-C85
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Little Bras d'Or Bridge			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1865-1869			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Scotia No. 7/Alexander			Site #: NS-C86
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Alder Point (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	94 tonnes
Operating Period: 1921-1925			
Underground Workings:	• Lloyd Cove seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sullivan			Site #: NS-C87
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Sydney Mines (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	75 tonnes
Operating Period: 1940-1946			
Underground Workings:			
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sydney No. 1/Princess			Site #: NS-C88
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Sydney Mines (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	18,753 tonnes
Operating Period: 1908-1975			
Underground Workings:	• Sydney main seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sydney No. 2/Lloyd Cove			Site #: NS-C89
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Sydney Mines (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	461 tonnes
Operating Period: 1907-1916			
Underground Workings:	●Lloyd Cove seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sydney No. 3/Florence			Site #: NS-C90
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Sydney Mines (2 km), Florence (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	11,999 tonnes
Operating Period: 1908-1961			
Underground Workings:	●Sydney main seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sydney No. 4/Scotia			Site #: NS-C91
Location:	Township: Cape Breton		Latitude:
	N.T.S.: 11K/08		Longitude:
Closest Community: Sydney Mines (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	895 tonnes
Operating Period: 1908-1921			
Underground Workings:	●Sydney main seam		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Coolen			Site #: NS-C92
Location:	Township: Colchester		Latitude:
	N.T.S.: 11E/06		Longitude:
Closest Community: Belmont			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.2 tonnes
Operating Period: 1925			
Underground Workings:	●Coolen seam		
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Debert		Site #: NS-C93
Location:	Township: Colchester	Latitude:
	N.T.S.: 11E/06	Longitude:
Closest Community: Debert		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	5 tonnes
Operating Period: 1908-1936 Intermittent		
Underground Workings:	●#1 seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Hingley		Site #: NS-C94
Location:	Township: Colchester	Latitude:
	N.T.S.: 11E/06	Longitude:
Closest Community: Kemptown (1 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	tonnes
Operating Period:		
Underground Workings:		
Information Sources: 13		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Riversdale		Site #: NS-C95
Location:	Township: Colchester	Latitude:
	N.T.S.: 11E/06	Longitude:
Closest Community: Kemptown (0.5 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	331 tonnes
Operating Period: 1920-1932		
Underground Workings:		
Information Sources: 9, 12, 13		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Arseneau		Site #: NS-C96
Location:	Township: Cumberland	Latitude:
	N.T.S.: 21H/09	Longitude:
Closest Community: River Hebert		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	11 tonnes
Operating Period: 1941-1942		
Underground Workings:	• Queen seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Athol			Site #: NS-C97
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Athol			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	31 tonnes
Operating Period: 1921-1923			
Underground Workings:	• Chignecto seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Bayview			Site #: NS-C98
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	23 tonnes
Operating Period: 1923			
Underground Workings:	• Queen seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Bayview No. 8			Site #: NS-C99
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1898 tonnes
Operating Period: 1939-1961			
Underground Workings:	• Forty Brine seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Beech Grove			Site #: NS-C100
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	7 tonnes
Operating Period: 1922			
Underground Workings:	• Joggins Bench and Fall seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Beech Hill			Site #: NS-C101
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	14 tonnes
Operating Period: 1940-1943			
Underground Workings:	● Renfrew/Beech Hill seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Black Diamond			Site #: NS-C102
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Maccan River			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	11 tonnes
Operating Period: 1911-1915 Intermittent			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Boston			Site #: NS-C103
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	42 tonnes
Operating Period: 1924-1929			
Underground Workings:	• Victoria seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Carter			Site #: NS-C104
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Maccan			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	29 tonnes
Operating Period: 1922-1927			
Underground Workings:	• Lawson seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Casey			Site #: NS-C105
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	4 tonnes
Operating Period: 1923			
Underground Workings:	●Joggins bench seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Chignecto			Site #: NS-C106
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Maccan			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	328 tonnes
Operating Period: 1867-1948			
Underground Workings:	●North seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Cochrane			Site #: NS-C107
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	215 tonnes
Operating Period: 1951-1960			
Underground Workings:	● Kimberley seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Eastern			Site #: NS-C108
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Maccan			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	15 tonnes
Operating Period: 1909-1919			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Fenwick			Site #: NS-C109
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Hoeg Road			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	32 tonnes
Operating Period: 1917-1929			
Underground Workings:	● Chignecto seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Filor			Site #: NS-C110
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	32 tonnes
Operating Period: 1951-1955			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Fundy Mines			Site #: NS-C111
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	133 tonnes
Operating Period: 1903-1934			
Underground Workings:	●Fundy/Forty Brine seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Fundy No. 6			Site #: NS-C112
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	8 tonnes
Operating Period: 1929-1930			
Underground Workings:	●Fundy seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Great Northern			Site #: NS-C113
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Chignecto			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.8 tonnes
Operating Period: 1910			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Green Crow			Site #: NS-C114
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.6 tonnes
Operating Period: 1935			
Underground Workings:	• Forty Brine seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Hillcrest			Site #: NS-C115
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	119 tonnes
Operating Period: 1941-1942			
Underground Workings:	• Forty Brine seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Joggins			Site #: NS-C116
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2,842 tonnes
Operating Period: 1867-1966			
Underground Workings:	• Joggins/Fundy seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Jubilee			Site #: NS-C117
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	15 tonnes
Operating Period: 1897-1951			
Underground Workings:	• Forty Brine seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Kimberly			Site #: NS-C118
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1936			
Underground Workings:	• Kimberly seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Lower Cove			Site #: NS-C119
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	23 tonnes
Operating Period: 1904-1915			
Underground Workings:	●Fundy/Hardscrabble seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Maccan/Lawson			Site #: NS-C120
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Maccan Station			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	84 tonnes
Operating Period: 1867-1940			
Underground Workings:	●Lawson No. 3 seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Maple Leaf Mines			Site #: NS-C121
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	896 tonnes
Operating Period: 1920-1943			
Underground Workings:	●Joggins bench seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Maple Leaf No. 4			Site #: NS-C122
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	551 tonnes
Operating Period: 1929-1939			
Underground Workings:	●Joggins bench seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Maple Leaf No. 5			Site #: NS-C123
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	11 tonnes
Operating Period: 1920-1943 Intermittent			
Underground Workings:	• Joggins bench seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Marsh			Site #: NS-C124
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	86 tonnes
Operating Period: 1920-1929			
Underground Workings:	• Kimberly seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Milner			Site #: NS-C125
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	25 tonnes
Operating Period: 1883-1935			
Underground Workings:	● Fundy seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Minudie			Site #: NS-C126
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Minudie			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	557 tonnes
Operating Period: 1880-1916			
Underground Workings:	● No. 1 seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: National		Site #: NS-C127
Location:	Township: Cumberland	Latitude:
	N.T.S.: 21H/09	Longitude:
Closest Community: River Hebert		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	9 tonnes
Operating Period: 1922-1925		
Underground Workings:	●Fundy seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: No. 1		Site #: NS-C128
Location:	Township: Cumberland	Latitude:
	N.T.S.: 21H/09	Longitude:
Closest Community: Springhill		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	3,052 tonnes
Operating Period: 1873-1970 Intermittent		
Underground Workings:	●Nos 1 and 3 seams	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: No. 2			Site #: NS-C129
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Springhill			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	10,822 tonnes
Operating Period: 1915-1966			
Underground Workings:	●No. 2 seam ●Currently utilized for Springhill Geothermal project		
Information Sources: 9, 12, 16			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: No. 3			Site #: NS-C130
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Springhill			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	258 tonnes
Operating Period: 1915-1968 Intermittent			
Underground Workings:	●Nos. 3 and 7 seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: No. 4			Site #: NS-C131
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Springhill			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3,509 tonnes
Operating Period: 1934-1970 Intermittent			
Underground Workings:	●Nos. 1, 2, 6 and 7 seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: No. 6			Site #: NS-C132
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Springhill			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,376 tonnes
Operating Period: 1920-1937			
Underground Workings:	●No. 6 seam ●Currently utilized for Springhill Geothermal Project		
Information Sources: 9, 12, 16			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: No. 7			Site #: NS-C133
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Springhill			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	925 tonnes
Operating Period: 1920-1934			
Underground Workings:	• No. 7 seam • Currently utilized for Springhill Geothermal Project		
Information Sources: 9, 12, 16			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Northern/Scotia			Site #: NS-C134
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Maccan			
Minerals Mined:			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	49 tonnes
Operating Period: 1872-1936			
Underground Workings:	• North/Chignecto/Twin/Main seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: River Hebert/Cochrane			Site #: NS-C135
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	706 tonnes
Operating Period: 1960-1980			
Underground Workings:	●Kimberly scan		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Riverside			Site #: NS-C136
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	98 tonnes
Operating Period: 1926-1951			
Underground Workings:	●Kimberly seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Ross and Tabor			Site #: NS-C137
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Springhill			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.05 tonnes
Operating Period: 1960			
Underground Workings:			
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Seaman			Site #: NS-C138
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.5 tonnes
Operating Period: 1877			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Seashore		Site #: NS-C139
Location:	Township: Cumberland	Latitude:
	N.T.S.: 21H/09	Longitude:
Closest Community: Joggins		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	113 tonnes
Operating Period: 1934-1943		
Underground Workings:	• Fundy seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Spence		Site #: NS-C140
Location:	Township: Cumberland	Latitude:
	N.T.S.: 21H/09	Longitude:
Closest Community: Springhill		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	0.3 tonnes
Operating Period: 1960		
Underground Workings:		
Information Sources: 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: St. George			Site #: NS-C141
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: St. George			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	34 tonnes
Operating Period: 1920-1921			
Underground Workings:	• Chignecto seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Sterling (No. 3 Mine)			Site #: NS-C142
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	88 tonnes
Operating Period: 1917-1923			
Underground Workings:	• Kimberly seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Strathcona No. 1			Site #: NS-C143
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	29 tonnes
Operating Period: 1924-1928			
Underground Workings:	●Kimberly seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Strathcona No. 2			Site #: NS-C144
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	547 tonnes
Operating Period: 1922-1947			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Strathcona No. 3			Site #: NS-C145
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	15 tonnes
Operating Period: 1930-1931			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Strathcona Mines			Site #: NS-C146
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	731 tonnes
Operating Period: 1895-1947			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Trestle Brook			Site #: NS-C147
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: Joggins			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1925-1928			
Underground Workings:	●Fundy seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Victoria No. 1			Site #: NS-C148
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	127 tonnes
Operating Period: 1921-1930			
Underground Workings:	●Victoria seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Victoria No. 2			Site #: NS-C149
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	182 tonnes
Operating Period: 1915-1930			
Underground Workings:	● Queen seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Victoria No. 4			Site #: NS-C150
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	505 tonnes
Operating Period: 1931-1941			
Underground Workings:	● Boston seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Victoria Mines			Site #: NS-C151
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,013 tonnes
Operating Period: 1867-1941			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Waddell			Site #: NS-C152
Location:	Township: Cumberland		Latitude:
	N.T.S.: 21H/09		Longitude:
Closest Community: River Hebert			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1943-1952			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Chestico		Site #: NS-C153
Location:	Township: Inverness	Latitude:
	N.T.S.: 11F/13	Longitude:
Closest Community: Port Hood		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	152 tonnes
Operating Period: 1959-1966		
Underground Workings:		
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Port Hood		Site #: NS-C154
Location:	Township: Inverness	Latitude:
	N.T.S.: 11F/13	Longitude:
Closest Community: Port Hood		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	818 tonnes
Operating Period: 1875-1958		
Underground Workings:	• Port Hood seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Beaton			Site #: NS-C155
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.5 tonnes
Operating Period: 1952-1954			
Underground Workings:	●34 in. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Broad Cove			Site #: NS-C156
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	394 tonnes
Operating Period: 1887-1905			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Campbell No. 1 and 2			Site #: NS-C157
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	86 tonnes
Operating Period: 1944-1961			
Underground Workings:	●7 ft. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Cameron			Site #: NS-C158
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.6 tonnes
Operating Period: 1962-1963			
Underground Workings:	●13 ft. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Chimney Corner			Site #: NS-C159
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/06		Longitude:
Closest Community: Chimney Corner			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	12 tonnes
Operating Period: 1867-1952			
Underground Workings:	●No. 4 and 5 seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Evans			Site #: NS-C160
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/06		Longitude:
Closest Community: St. Rose			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	680 tonnes
Operating Period: 1946-1976			
Underground Workings:	●No. 2 and 5 seams		
Information Sources: 9, 12			
Information Appended: No.		Geothermal Potential: Yes	

Mine Name: Inverness (Nos. 1 and 4)			Site #: NS-C161
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	6,292 tonnes
Operating Period: 1903-1951			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Mabou			Site #: NS-C162
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Mabou			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	62 tonnes
Operating Period: 1887-1951			
Underground Workings:	• 13 ft./14 ft./ 8 ft./ 7 ft. seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacDonald No. 1			Site #: NS-C163
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	141 tonnes
Operating Period: 1943-1952			
Underground Workings:	●7 ft. and 34 in. seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacDonald No. 2			Site #: NS-C164
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1.5 tonnes
Operating Period: 1948-1957			
Underground Workings:	●39 in. and 34 in. seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacDonald No. 3			Site #: NS-C165
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	118 tonnes
Operating Period: 1948-1959			
Underground Workings:	●34 in. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacDonald No. 5			Site #: NS-C166
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	9 tonnes
Operating Period: 1952-1957			
Underground Workings:	●13 ft. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacEachern		Site #: NS-C167
Location:	Township: Inverness	Latitude:
	N.T.S.: 11K/03	Longitude:
Closest Community: Inverness		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	0.2 tonnes
Operating Period: 1953		
Underground Workings:	• 13 ft. seam	
Information Sources: 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: McDonald		Site #: NS-C168
Location:	Township: Inverness	Latitude:
	N.T.S.: 11K/03	Longitude:
Closest Community: Inverness		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	22 tonnes
Operating Period: 1944-1949		
Underground Workings:	• 7A seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: McIsaac			Site #: NS-C169
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	2 tonnes
Operating Period: 1963-1966			
Underground Workings:	●7 ft. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: McLellan			Site #: NS-C170
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	31 tonnes
Operating Period: 1943-1957			
Underground Workings:	●7 ft. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Rankin		Site #: NS-C171
Location:	Township: Inverness	Latitude:
	N.T.S.: 11K/03	Longitude:
Closest Community: Inverness		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	1 tonnes
Operating Period: 1891-1892		
Underground Workings:		
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Rosebank No. 1		Site #: NS-C172
Location:	Township: Inverness	Latitude:
	N.T.S.: 11K/03	Longitude:
Closest Community: Inverness		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	5 tonnes
Operating Period: 1943-1946		
Underground Workings:		
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Rosebank No. 2			Site #: NS-C173
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	89 tonnes
Operating Period: 1947-1957			
Underground Workings:	●7 ft. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Rosebank No. 3			Site #: NS-C174
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	42 tonnes
Operating Period: 1956-1961			
Underground Workings:	●34 in. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Rosebank No. 5			Site #: NS-C175
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Inverness			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	19 tonnes
Operating Period: 1955-1957			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Tijer			Site #: NS-C176
Location:	Township: Inverness		Latitude:
	N.T.S.: 11K/03		Longitude:
Closest Community: Mabou			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.9 tonnes
Operating Period: 1961-1964			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Acadia No. 1			Site #: NS-C177
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Stellarton (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	241 tonnes
Operating Period: 1920-1925			
Underground Workings:	• Acadian seam		
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Acadia No. 2			Site #: NS-C178
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Thorburn (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	48 tonnes
Operating Period: 1920-1921			
Underground Workings:	• MacBean seam		
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Acadia No. 3			Site #: NS-C179
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Thorburn (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1,377 tonnes
Operating Period: 1920-1939			
Underground Workings:	●6 ft. seam		
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential:	

Mine Name: Acadia No. 5			Site #: NS-C180
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: New Glasgow			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1 tonnes
Operating Period: 1921			
Underground Workings:	●3½ ft. seam ●Portion of workings subsequently strip mined		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Acadia No. 7			Site #: NS-C181
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Stellarton (0.5 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	568 tonnes
Operating Period: 1936-1947			
Underground Workings:	• Cage/Third seams		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Acadia Colliery			Site #: NS-C182
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Westville			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	11,562 tonnes
Operating Period: 1867-1920			
Underground Workings:	• Acadia seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Albion		Site #: NS-C183
Location:	Township: Pictou	Latitude:
	N.T.S.: 11E/10	Longitude:
Closest Community: Stellarton (0 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	7,455 tonnes
Operating Period: 1867-1942		
Underground Workings:	• Main/Deep/Cage/Foord/Third/MacGregor seams	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Allan		Site #: NS-C184
Location:	Township: Pictou	Latitude:
	N.T.S.: 11E/10	Longitude:
Closest Community: Stellarton (0 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	4,758 tonnes
Operating Period: 1908-1951		
Underground Workings:	• Foord/Cage seams	
Information Sources: 9, 12, 13		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Black Diamond		Site #: NS-C185
Location:	Township: Pictou	Latitude:
	N.T.S.: 11E/10	Longitude:
Closest Community: Westville (0 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	99 tonnes
Operating Period: 1888-1891		
Underground Workings:	• Acadia seam	
Information Sources: 9, 12, 14		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: East River		Site #: NS-C186
Location:	Township: Pictou	Latitude:
	N.T.S.: 11E/10	Longitude:
Closest Community: East River		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	9 tonnes
Operating Period: 1887-1892		
Underground Workings:	• MacKay seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Fox Brook			Site #: NS-C187
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: New Glasgow			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.07 tonnes
Operating Period: 1923			
Underground Workings:	●Westville/Main seams		
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: German/Marsh			Site #: NS-C188
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: New Glasgow			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	282 tonnes
Operating Period: 1867-1909			
Underground Workings:	●Marsh seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Greenwood No. 1			Site #: NS-C189
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Thorburn			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	153 tonnes
Operating Period: 1926-1930			
Underground Workings:	• 6 ft. seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Greenwood No. 2			Site #: NS-C190
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Greenwood (1 km), McLellans Brook (1 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	293 tonnes
Operating Period: 1926-1966			
Underground Workings:	• MacKay seam		
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Greenwood Colliery			Site #: NS-C191
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Greenwood (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	821 tonnes
Operating Period: 1918-1966			
Underground Workings:			
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Hillcrest			Site #: NS-C192
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community:			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.6 tonnes
Operating Period: 1936			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Intercolonial/Drummond No. 1		Site #: NS-C193
Location:	Township: Pictou	Latitude:
	N.T.S.: 11E/10	Longitude:
Closest Community: Westville (0 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	2,441 tonnes
Operating Period: 1923-1969		
Underground Workings:	● Main/Westville seams ● Portion of workings subsequently strip mined	
Information Sources: 9, 12, 14		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Intercolonial/Drummond No. 2		Site #: NS-C194
Location:	Township: Pictou	Latitude:
	N.T.S.: 11E/10	Longitude:
Closest Community: Westville (0 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	3,527 tonnes
Operating Period: 1923-1984		
Underground Workings:	● 2nd/Scott/Westville seams ● Portion of workings subsequently strip mined	
Information Sources: 9, 12, 14		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Intercolonial/Drummond No. 5			Site #: NS-C195
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Westville			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	589 tonnes
Operating Period: 1920-1945			
Underground Workings:	●Main/Westville seams ●Portion of workings subsequently strip mined		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Intercolonial/Drummond Mines			Site #: NS-C196
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Westville			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	13, 930 tonnes
Operating Period: 1867-1976			
Underground Workings:	●Portion of workings subsequently strip mined		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Linacy			Site #: NS-C197
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Stellarton			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1960-1963			
Underground Workings:	• MacKay seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacBean/Vale			Site #: NS-C198
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Thorburn (0 km)			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	4,700 tonnes
Operating Period: 1867-1971			
Underground Workings:	• MacBean/Greener/6 ft. seams		
Information Sources: 9, 12, 14			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: MacGregor/Albion		Site #: NS-C199
Location:	Township: Pictou	Latitude:
	N.T.S.: 11E/10	Longitude:
Closest Community: Stellarton (0 km)		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	2, 941 tonnes
Operating Period: 1912-1957		
Underground Workings:	●MacGregor/Flemming seams	
Information Sources: 9, 12, 14		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: MacKay		Site #: NS-C200
Location:	Township: Pictou	Latitude:
	N.T.S.: 11E/10	Longitude:
Closest Community: East River		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	1 tonnes
Operating Period: 1867-1870		
Underground Workings:	●MacKay seam	
Information Sources: 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Merigomish			Site #: NS-C201
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Merigomish			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.1 tonnes
Operating Period: 1868-1869			
Underground Workings:			
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Milford/Acadia			Site #: NS-C202
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Coalburn (0.5 km)			
Minerals Mined:			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	622 tonnes
Operating Period: 1916-1947			
Underground Workings:	• Captain/Marsh seams		
Information Sources: 9, 12, 13			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Milford No. 1/Acadia No. 4			Site #: NS-C203
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Coalburn			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	244 tonnes
Operating Period: 1920-1941			
Underground Workings:	• Captain seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Milford No. 2/Acadia No. 6			Site #: NS-C204
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Coalburn			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	184 tonnes
Operating Period: 1838-1947			
Underground Workings:	• Marsh seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Montreal and New Glasgow			Site #: NS-C205
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Coal Brook			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.2 tonnes
Operating Period: 1868			
Underground Workings:			
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Montreal and Pictou			Site #: NS-C206
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: East River			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	0.4 tonnes
Operating Period: 1867			
Underground Workings:	• MacBean/MacKay seams		
Information Sources: 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Nova Scotia			Site #: NS-C207
Location:	Township: Pictou		Latitude:
	N.T.S.: 11E/10		Longitude:
Closest Community: Middle River			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	308 tonnes
Operating Period: 1867-1878			
Underground Workings:	• Acadia seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Wadden			Site #: NS-C208
Location:	Township: Pictou		Latitude:
	N.T.S.:		Longitude:
Closest Community: Westville			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	16 tonnes
Operating Period: 1946-1953			
Underground Workings:	• Main seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Richmond		Site #: NS-C209
Location:	Township: Richmond	Latitude:
	N.T.S.: 11F/11	Longitude:
Closest Community: Port Malcolm		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	2 tonnes
Operating Period: 1868-1908		
Underground Workings:		
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Tidewater		Site #: NS-C210
Location:	Township: Richmond	Latitude:
	N.T.S.: 11F/11	Longitude:
Closest Community: Whiteside		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	0.8 tonnes
Operating Period: 1928		
Underground Workings:		
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Basin			Site #: NS-C211
Location:	Township: Richmond		Latitude:
	N.T.S.: 11F/15		Longitude:
Closest Community: Morash Point			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	1 tonnes
Operating Period: 1922-1923			
Underground Workings:			
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Lawler			Site #: NS-C212
Location:	Township: Richmond		Latitude:
	N.T.S.: 11F/15		Longitude:
Closest Community: Glengarry			
Minerals Mined: Coal			
Host Rock:			
Maximum Depth: meters		Ore Removed (x 1000):	3 tonnes
Operating Period: 1929-1938			
Underground Workings:	• No. 2 seam		
Information Sources: 9, 12			
Information Appended: No		Geothermal Potential: Yes	

Mine Name: Anglo		Site #: NS-C213
Location:	Township: Victoia	Latitude:
	N.T.S.: 11K/08	Longitude:
Closest Community: New Campbellton		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	158 tonnes
Operating Period: 1867-1924		
Underground Workings:	●6 ft. seam	
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

Mine Name: Black Rock		Site #: NS-C214
Location:	Township: Victoria	Latitude:
	N.T.S.: 11K/08	Longitude:
Closest Community: Boularderie Island		
Minerals Mined: Coal		
Host Rock:		
Maximum Depth: meters	Ore Removed (x 1000):	0.5 tonnes
Operating Period: 1867-1874		
Underground Workings:		
Information Sources: 9, 12		
Information Appended: No	Geothermal Potential: Yes	

PART 3

APPENDICES

Appendix A: References

Appendix B: Details/contents of inventory source documents.

Appendix C: Additional information on specific Quebec mines

Appendix D: Additional information on specific Nova Scotia mines

PART 3
APPENDICES

APPENDIX A: REFERENCES

Quebec Inventory Source References

Listed under section 1.2

Nova Scotia Inventory Source References

Listed under section 1.2

Springhill References

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Canadian Electrical Association, *Case Study: Ropak Can Am Ltd.*, Bulletin No.26 (June 1990).

Jacques Whitford & Associates Limited, *Town of Springhill Geothermal Demonstration Project Report on the Test Drilling and Pumping Test Results*, Report to the Town of Springhill Geothermal Committee, Halifax, Nova Scotia (September 17, 1987): 33 pages plus tables.

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Miscellaneous References

A. Bourget and M. Wiggins, *Mine Water Extraction Using Heat Pumps*, Preliminary Report, CANMET Mining Research Laboratories, Ottawa (August 21, 1991): 49 pages plus tables.

C. Brown, *The Illustrated History of Canada*, Lester and Orpen Dennys Limited, Toronto (1987): 1-30.

R. Longo et al, *Historical Highlights of Canadian Mining*, Pitt Publishing Company ltd, Toronto (1973): 274 pages.

M. Vallières, *Des mines et des hommes: histoire de l'industrie minérale Québecoise*, Les Publications du Québec, Québec (1988): 439 pages.

APPENDIX B: DETAILS/CONTENTS OF INVENTORY SOURCE DOCUMENTS

Note: The contents of this appendix are intended for individuals interested in the details of the inventories undertaken in Quebec and Nova Scotia; and in the specific nature of the information available in the sources used.

Contents of Source Documents for the Quebec Inventory

Source 1

Provides basic information on mineral occurrences that have been evaluated or developed. Information relevant to the inventory includes the following parameters: mine name; location; status of the mine (active or inactive); commodities; production periods; quantity of ore removed. The information provided is only current to 1983/1984. Information is not always available for all parameters.

Source 2

Provides basic information on 5711 mineral occurrences in the province. This source provides the most complete listing of mineral occurrences. The information is current to 1987; updates are published on a regular basis. Information relevant to the inventory includes the following parameters: mine name; location (occurrence number); status of the mine (active or inactive); size of the occurrence; type of host rock; commodities. In addition to separate listings of occurrences by file number (which incorporates the location/N.T.S. number) and alphabetically, the document also provides maps showing the location of the occurrences.

Source 3

Is a federal government report and provides information on significant Canadian mineral deposits, that were not in production in 1989. The focus is on identifying reserves (potential production), but the document also provides useful information on inactive mines. The deposits are organized by N.T.S. area, and then alphabetically within each area. Information provided per deposit includes: geology, work done on the deposit (exploration, development and production). Occasionally information on tonnes milled is provided.

Source 4

Provides information on the abandonment status of mines on private lands. The data base does not include all abandoned mines in the province. Of particular note the data base does not include: abandoned mines on crown lands; mines in the Rouyn-Noranda, Val d'Or, and

Matagami regions; and mines in remote sites. The data base is constantly evolving and the revision dates are noted in each file.

The information provided is based on site inspections and varies considerably in detail. The focus is on understanding the abandonment status and identifying potential safety hazards to be addressed. Information relevant to the inventory includes: mine name, township, U.T.M., fiche de gîtes number, abandonment status and date, ore minerals, host rock, ownership (land and mineral rights), land use, site description and use, details of shafts, underground workings etc.

Source 5

Provides information on the abandonment status of mines in the northwest portion of the province. This source covers some of the mines not included in the source 4 computer data base. The information is constantly evolving and the revision dates are noted for each mine site. Information relevant to the inventory includes: the mine name; township and location; number of shafts; depth; years in operation; commodities; whether there has been a site visit (or report) to assess the abandonment status; if and when the shafts were plugged. The focus is on mine features that impact the surface.

Source 6

This source consists of the detailed mineral occurrence cards, available as microfiche in the Regional Mining offices of the Québec Ministère de l'Energie et des Ressources. The files are organized by mineral occurrence number which consists of the N.T.S. area number followed by a number which reflects the order of discovery or registration of an occurrence within the N.T.S. area. The files are routinely updated and revision dates are noted.

This source provided the most detailed information used in the inventory. Information relevant to the inventory includes: mine name; location (township, N.T.S., U.T.M., and map); history of the site; geology (host rock and minerals/commodities mined); reserves and production; references (often an extensive bibliography related to the site); and description of the mine workings. Information on mine workings varies from non-existent to a moderately detailed indication of the number and depths of shafts, inclines, adits, galleries etc.

Sources 7-10

Consists of annual reports of the regional mining activity and provides information on production and abandonment in the years 1987-1990.

Contents of Source Documents for the Nova Scotia Inventory

Source 1

This Source consists of detailed mineral occurrence cards and provides basic information on metallic and industrial mineral occurrences that have been evaluated or developed. (Note: coal occurrences are not covered in this system). The cards are organized by mineral occurrence number which consists of the N.T.S. area followed by a number which reflects the chronological order in which the occurrences were registered within the N.T.S. area. The information is current to approximately 1987; the revision dates are indicated on each card. The Ministry staff consider the cards to be a source of general information, but not a source to rely on for detailed information.

Information relevant to the inventory includes: mine name; location (N.T.S., latitude/longitude, U.T.M., a map showing location and communities); status of the mine (active or inactive); description of the occurrence (commodity minerals and host rock); exploration history; development history; map references; and bibliography. The development history often includes information on the ore removed, the production period, and details of the underground workings.

There is generally less information provided for industrial mineral occurrences than for metallics.

Sources 2, 3, and 4:

These sources provide a listing of all registered metallic mineral occurrences by N.T.S. map sheets. The information provided includes occurrence name; location (N.T.S., latitude/longitude, and U.T.M.); the unique mineral occurrence number; the nature of the occurrence (e.g. mine). The documents are current to 1985.

Sources 5, 6, and 7

These sources provide a summary of all registered industrial mineral occurrences by N.T.S. map sheet. The information provided is identical to that described for sources 2-4.

Source 8

Provides information on the history of mining in Nova Scotia and lists gold districts, and the related dates of operation and tons of ore crushed; and coalfields and related tons production. The information provided is aggregated by gold district and coalfield; mine-specific information is not provided. The information is current to 1976.

Source 9

Identifies a number of abandoned mines in Nova Scotia.

Source 10

The same as source 3 for the Quebec inventory.

Source 11

Provides an overview of gold mining in Nova Scotia and includes information on the gold districts; their operating periods; and the gold produced (troy ounces). The information provided is aggregated by gold district; mine-specific information is not provided. The document is current to 1986 and covers the last commercial production (1968).

Source 12

Provides an overview of coal mining in the province. The information provided includes a list of coalfields and mine names; the locations and adjacent communities; operating periods; the seams mined and their depth; and tonnage produced. The report was published in 1978.

Sources 13 and 14

Provide information on mine locations, closest communities, and on coal mine workings.

Source 15

Provides information on annual production by company (operation) for metallic and coal operations; and by total commodity produced for the industrial minerals. The 1960 Annual Report provides a summary of gold production from its official start (approximately 1862) to 1960. the information is often aggregated into gold "districts" rather than listed by individual mine.

The Annual Reports were used to obtain information on annual production in the metallic, industrial and coal operations; and to identify mines abandoned after the publication dates of sources 8, 11, 12 (and therefore not included in those sources).

Source 16

Provided information of the Springhill mines which are currently used as geothermal energy sources.

APPENDIX C:

ADDITIONAL INFORMATION ON SPECIFIC QUEBEC MINES

This appendix is provided under separate cover.

The information in the appendix consists of copies of the *Fiches de Gîtes* for mines considered to be of interest. The objective is to provide the reader with more information (particularly the bibliographic information) regarding the sites.

APPENDIX D:

ADDITIONAL INFORMATION ON SPECIFIC NOVA SCOTIA MINES

This appendix is provided under separate cover.

The information in this appendix consists of copies of the *Mineral Occurrence Cards* for the metallic and industrial mineral mines considered to be of interest. The objective is to provide the reader with more information (particularly the bibliographic information) regarding the sites.