

# Annual Mineral Production Survey – Metallic Commodities

## About the survey

The *Annual Mineral Production Survey - Metallic Commodities* is conducted on behalf of the Ministère des Ressources naturelles et des Forêts (MRNF). The purpose of this survey is to provide an accurate picture of the metal ore mining sector in Québec. It measures the main economic, financial and mining variables in this sector.

## Relevance

Mining activities occupy an important place in Québec's economy. The information gathered in this survey is essential for government authorities to carry out effective interventions in the mining sector.

Given the importance of the survey results, your participation is mandatory in accordance with the *Mining Act* (CQLR, chapter M-13.1, sections 221 and 222). All companies in your sector are required to participate.

## Confidentiality

Under the delegation agreement for the Programme des statistiques minières du Québec signed with the MRNF, the information you provide will be shared with them. It will also be shared with Statistics Canada, Natural Resources Canada, and Environment and Climate Change Canada. You can take part in the survey with the knowledge that the information you provide will remain confidential and will only be used for statistical purposes. This is guaranteed under the *Mining Act*.

The information must be sent to the Institut de la statistique du Québec (ISQ) as requested in this questionnaire. The Institut de la statistique du Québec guarantees that the information provided by your establishment as part of this survey will be kept confidential.

The data you provide may be matched by the Institut de la statistique du Québec with data from other surveys or administrative records in order to derive maximum statistical benefit from this survey.

All matched data will be kept strictly confidential and will only be used for statistical purposes.

If we need to call you, the telephone interview may be monitored by a supervisor to ensure the quality of the survey. However, interviews are not recorded.

## Assistance

If you require assistance, please contact the Direction de la gestion de la collecte at 1-800-561-0213 or at [statistiquesminieres@stat.gouv.qc.ca](mailto:statistiquesminieres@stat.gouv.qc.ca).

## Instructions

- ▶ Do not return the questionnaire to us by mail or fax.
- ▶ This survey focuses on the situation in Québec. Please only take into account the portion of your establishment located in Québec when responding.
- ▶ Answer to the best of your knowledge. If you do not have the precise information for certain sections of the questionnaire, provide the best possible estimate.
- ▶ All monetary values must be expressed in Canadian dollars.
- ▶ You may have to contact other people in your establishment to obtain the information you need to answer certain questions.

## Definitions

All definitions can be found in the *Participant Guide* included with this questionnaire.

## Reporting period

### 1 What are the start and end dates of your establishment's most recent 12-month fiscal year?

For the purposes of this survey, report information for the 12-month fiscal year that ended between April 1, 2023 and March 31, 2024. This survey covers reference year 2023.

Start date (YYYY-MM-DD)

End date (YYYY-MM-DD)

→ If your fiscal year covers a full year, please go to question 3.  
If not, please answer question 2.

### 2 What is the reason your fiscal year does not cover a full year?

Select all that apply.

- Seasonal operations
- New establishment
- Change of ownership
- Temporarily inactive
- Change in fiscal year
- Ceased operations
- Other → Specify the reason why the fiscal year does not cover a full year

# Revenue

This module focuses on your establishment's **revenue**.

**Note :**

- ▶ A detailed breakdown is requested in the following sections.
- ▶ These questions are asked for many different industries, and some questions may not apply to your establishment.
- ▶ Enter a value of 0 if the value is nil or if the question or category does not apply to your establishment. In other words, do not leave any fields blank.
- ▶ Please refer to the *Participant Guide* for concepts and definitions.

## Revenue – general

These questions cover the fiscal year reported in question 1.

### 3 What was your establishment's revenue from each of the following sources?

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|   | <b>Thousands of Can\$</b>                                       |
|---|---|
| a) Revenue from sales of goods and services                     | \$  _____  000  |
| Exclude:  |   |
| - Shipping charges  | - Sales taxes   |
| - Discounts   | - Excise duties and taxes                                       |
| - Sales allowances  | - Outward transportation charges by common or contract carriers |
| - Returned sales  |   |
| b) Revenue from rental and leasing                              | \$  _____  000  |
| c) Revenue from commissions                                     | \$  _____  000  |
| d) Revenue from subsidies                                       | \$  _____  000  |
| Include:  |   |
| - Donations and fundraising                                     |   |
| - Grants and sponsorships                                       |   |
| e) Revenue from royalties, rights, licensing and franchise fees | \$  _____  000  |
| f) Revenue from dividends                                       | \$  _____  000  |
| g) Revenue from interest  | \$  _____  000  |
| h) All other revenue  |   |
| h1) Specify other revenue                                       |   |
| _____   | \$  _____  000  |
| h2) Specify other revenue                                       |   |
| _____   | \$  _____  000  |
| h3) Specify other revenue                                       |   |
| _____   | \$  _____  000  |
| h4) Specify other revenue                                       |   |
| _____   | \$  _____  000  |
| i) <b>Total revenue</b>   | \$  _____  000  |
| Sum of rows a to h4   |   |

## Revenue – industry characteristics

These questions cover the fiscal year reported in question 1.

### 4 Indicate whether you will report values at final selling price or using another method of valuation.

If your firm consists of only a **single business unit**, sales must be reported at the final selling price. If you are part of a **multi-business unit firm**:

- Sales to your firm's non-mining business units must be reported at the final selling price.
- Sales to your firm's mining business units, sales branches, selling warehouses or head offices should be reported at the value shown on your books of account (i.e. book transfer value).

- Final selling price
- Production cost
- Transfer value
- Other (e.g. combination of production cost and final selling price)

↳ Specify other method of valuation:

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### 5 What was your establishment's sales of goods and services revenue from each of the following sources?

Exclude shipping charges, sales taxes, excise duties and taxes, outward transportation charges by common or contract carriers, discounts, returned sales, and sales allowances.

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|   | Thousands of Can\$ |
|---|--------------------|
| a) Sales of goods <b>from own production</b>  | \$  _____  000     |
| b) Sales of goods purchased for resale, as is   | \$  _____  000     |
| c) Sales of services  | \$  _____  000     |
| Example:  |                    |
| - Revenue from work done on material and products owned by other business units: revenue from contract crushing, milling, screening and concentration, revenue from delivery services from own fleet. |                    |
| d) Sales of electricity   | \$  _____  000     |
| e) All other sales of goods and services  | \$  _____  000     |
| f) <b>Total sales of goods and services</b>   | \$  _____  000     |
| Sum of rows a to e  |                    |

### 6 What was your establishment's rental and leasing revenue from each of the following sources?

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|  | Thousands of Can\$ |
|--|--------------------|
| a) Revenue from property rental and leasing                | \$  _____  000     |
| b) Revenue from machinery and equipment rental and leasing | \$  _____  000     |
| c) All other revenue from rental and leasing               | \$  _____  000     |
| d) <b>Total revenue from rental and leasing</b>            | \$  _____  000     |
| Sum of rows a to c   |                    |

# Expenses

This module focuses on your establishment's **expenses**.

**Note :**

- ▶ A detailed breakdown is requested in the following sections.
- ▶ These questions are asked for many different industries, and some questions may not apply to your establishment.
- ▶ Enter a value of 0 if the value is nil or if the question or category does not apply to your establishment. In other words, do not leave any fields blank.
- ▶ Please refer to the *Participant Guide* for concepts and definitions.

## Expenses – general

These questions cover the fiscal year reported in question 1.

### 7 What were your establishment's expenses for the following items?

|   | Thousands of Can\$ |
|---|--------------------|
| a) Purchases  | \$   _____ 000     |
| Include:  |                    |
| - Purchases of raw materials and components.  |                    |
| - Non-returnable containers.  |                    |
| - All other items used in the establishment's mining operations, such as:                                   |                    |
| - explosives;   |                    |
| - water treatment chemicals;  |                    |
| - lubricating oils and greases;   |                    |
| - valves and plumbing supplies.   |                    |
| Exclude:  |                    |
| - Change in inventories.  |                    |
| b) Employment costs and expenses  | \$   _____ 000     |
| Include:  |                    |
| - All employees who were issued a T4.   |                    |
| b1) Salaries, wages and commissions   | \$   _____ 000     |
| b2) Employee benefits   | \$   _____ 000     |
| c) Subcontracts   | \$   _____ 000     |
| Example:  |                    |
| - Amount paid to common or contract carriers, contract drilling.  |                    |
| - Amount paid for contract crushing, milling, screening and concentration.                                  |                    |
| - Amount paid to Québec-based or foreign smelters and refineries.   |                    |
| Exclude:  |                    |
| - Research and development fees. These should be reported in question 7 d) "Research and development fees". |                    |
| d) Research and development fees  | \$   _____ 000     |
| Exclude:  |                    |
| - In-house research and development fees.   |                    |
| - Exploration and deposit appraisal expenditures.   |                    |
| e) Professional and business fees   | \$   _____ 000     |
| Example:  |                    |
| - Legal, accounting, consulting and scientific service fees.  |                    |
| f) Energy and water expenses  | \$   _____ 000     |
| Example:  |                    |
| - Electricity   | - Diesel           |
| - Gas   | - Propane          |
| - Water   | - Fuel wood        |
| - Oil   | - Sewage           |

|    |   | <b>Thousands of Can\$</b> |
|----|---|---------------------------|
| g) | Office and computer related expenses<br>Example:<br>- Office supplies                      - Computer upgrades<br>- Postage   | \$  _____ 000             |
| h) | Telephone, Internet and other telecommunications  | \$  _____ 000             |
| i) | Business taxes, licenses and permits<br>Example:<br>- Business tax<br>- License fees<br>- Property taxes  | \$  _____ 000             |
| j) | Royalties, franchise fees and memberships<br>Include:<br>- Royalties paid to businesses and individuals.<br>Exclude:<br>- Crown royalties (federal, provincial, municipal, communities). These should be reported in question 7 k) "Crown charges." | \$  _____ 000             |
| k) | Crown charges<br>Include:<br>- Crown royalties paid to federal and provincial governments, municipalities and communities.  | \$  _____ 000             |
| l) | Rental and leasing<br>Include:<br>- Land                                      - Equipment<br>- Buildings                                - Vehicles  | \$  _____ 000             |
| m) | Repair and maintenance<br>Include:<br>- Buildings<br>- Equipment<br>- Vehicles  | \$  _____ 000             |
| n) | Amortization and depreciation   | \$  _____ 000             |
| o) | Insurance   | \$  _____ 000             |
| p) | Advertising, marketing, promoting, meals and entertainment  | \$  _____ 000             |
| q) | Travel, meetings and conventions  | \$  _____ 000             |
| r) | Financial service fees<br>Example:<br>- Bank charges<br>- Transaction fees  | \$  _____ 000             |
| s) | Interest expense  | \$  _____ 000             |
| t) | Bad debts, loan losses, donations, political contributions and inventory write-downs  | \$  _____ 000             |
| u) | All other expenses<br>Include:<br>- Intracompany expenses.  | \$  _____ 000             |
|    | u1) Specify other expenses<br><br> _____  | \$  _____ 000             |
|    | u2) Specify other expenses<br><br> _____  | \$  _____ 000             |
|    | u3) Specify other expenses<br><br> _____  | \$  _____ 000             |
|    | u4) Specify other expenses<br><br> _____  | \$  _____ 000             |
| v) | <b>Total expenses</b><br>Sum of rows a to u4  | \$  _____ 000             |

## Expenses – industry characteristics

These questions cover the fiscal year reported in question 1.

### 8 What were your establishment's purchase expenses for the following items?

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|   | Thousands of Can\$ |
|---|--------------------|
| a) Raw materials and components<br>Include:<br>- Total purchases of raw materials and components to be used in the making of the products and by-products leaving your establishment.<br>- Ore purchased. | \$  _____ 000      |
| b) Explosives and blasting supplies   | \$  _____ 000      |
| c) Collecting reagents for concentrating ores   | \$  _____ 000      |
| d) Water treatment chemicals  | \$  _____ 000      |
| e) Lumber and timber<br>Example:<br>- Building<br>- Supporting  | \$  _____ 000      |
| f) Lubricating oils and greases   | \$  _____ 000      |
| g) Grinding balls and rods  | \$  _____ 000      |
| h) Rock drill steel rods and bits   | \$  _____ 000      |
| i) Steel<br>Example:<br>- Bars<br>- Structures<br>- Plates<br>- Galvanized sheets   | \$  _____ 000      |
| j) Valves and plumbing supplies   | \$  _____ 000      |
| k) Non-returnable containers and other shipping and packaging materials   | \$  _____ 000      |
| l) Goods purchased for resale, as is<br>Example:<br>- Goods sold in same condition as purchased.  | \$  _____ 000      |
| m) All other supplies   | \$  _____ 000      |
| n) <b>Total purchase expenses</b><br>Sum of rows a to m   | \$  _____ 000      |



9 What were your establishment's salaries, wages, and commissions expenses for the following items?

**Definition**

The average number of employees over the fiscal year reported in question 1 is equal to the sum of the number of persons employed in the last pay period of each month of the fiscal year divided by the number of months in the fiscal year. Please include all employees on your establishment's payroll.



When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|   | <b>Salaries, wages<br/>and commissions</b><br>(amounts in thousands<br>of Can\$) | <b>Average number<br/>of employees (n)</b> | <b>Total hours<br/>worked</b> |
|---|--|--|-------------------------------|
| a) <b>Direct</b> labour – extraction  | \$  _____000   | _____                                      | _____                         |
| a1) <b>Underground</b><br>Example:<br>- Employees engaged in underground<br>ore extraction operations.  | \$  _____000   | _____                                      | _____                         |
| a2) <b>Surface</b><br>Example:<br>- Employees engaged in surface ore<br>extraction operations.  | \$  _____000   | _____                                      | _____                         |
| b) <b>Direct</b> labour – ore processing at the<br>mine or related facilities<br>Example:<br>- Employees engaged in the establishment's<br>operations (e.g. crushing, milling, screening<br>and concentration). | \$  _____000   | _____                                      | _____                         |
| c) <b>New construction</b> labour   | \$  _____000   | _____                                      | _____                         |
| d) <b>Indirect</b> labour<br>Example:<br>- Administrative, sales, support, distribution.<br>Exclude:<br>- Employees engaged in mineral exploration<br>and deposit appraisal.                                    | \$  _____000   | _____                                      | _____                         |
| e) <b>Total</b><br>Sum of rows a1 to d  | \$  _____000   | _____                                      | _____                         |

**10 What is the breakdown by gender of the average number of employees at your establishment for the following items?**

When precise figures are not available, provide your best estimates.

|  | Men (n) | Women (n) | Other gender (n) |
|--|---------|-----------|------------------|
| a) <b>Direct</b> labour – extraction   | _____   | _____     | _____            |
| a1) Underground<br>Example:<br>- Employees engaged in underground ore extraction operations.   | _____   | _____     | _____            |
| a2) Surface<br>Example:<br>- Employees engaged in surface ore extraction operations.   | _____   | _____     | _____            |
| b) <b>Direct</b> labour – ore processing at the mine or related facilities<br>Example:<br>- Employees engaged in the establishment's operations (e.g. crushing, milling, screening and concentration). | _____   | _____     | _____            |
| c) New construction labour   | _____   | _____     | _____            |
| d) <b>Indirect</b> labour<br>Example:<br>- Administrative, sales, support, distribution.<br>Exclude:<br>- Employees engaged in mineral exploration and deposit appraisal.                              | _____   | _____     | _____            |
| e) <b>Total number of employees</b><br>Sum of rows a1 to d   | _____   | _____     | _____            |

**11 What was the percentage of Aboriginal employees at your establishment?**

When precise figures are not available, provide your best estimates.

|\_\_\_\_\_| %

**12 What were your establishment's subcontract expenses for the following items?**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|  | Thousands of Can\$ |
|--|--------------------|
| a) Amount paid to common or contract carriers                              | \$  _____  000     |
| b) Amount paid for contract crushing, milling, screening and concentration | \$  _____  000     |
| c) Amount paid to Québec primary metal plants                              | \$  _____  000     |
| d) Amount paid to Canadian primary metal plants outside Québec             | \$  _____  000     |
| e) Amount paid to foreign primary metal plants (outside Canada)            | \$  _____  000     |
| f) All other subcontracts  | \$  _____  000     |
| g) <b>Total subcontract expenses</b><br>Sum of rows a to f                 | \$  _____  000     |

**13 What were your establishment's royalties, franchise fees and membership expenses for the following items?**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Thousands of Can\$ |
|----|--|--------------------|
| a) | Royalties paid to businesses   | \$  _____ 000      |
| b) | Royalties paid to individuals  | \$  _____ 000      |
| c) | All other royalties, franchise fees and memberships                                  | \$  _____ 000      |
| d) | <b>Total royalties, franchise fees and membership expenses</b><br>Sum of rows a to c | \$  _____ 000      |

**14 What were your establishment's Crown charges expenses for the following items?**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Thousands of Can\$ |
|----|--|--------------------|
| a) | Crown charges paid to the federal government   | \$  _____ 000      |
| b) | Crown charges paid to the Québec government  | \$  _____ 000      |
| c) | Crown charges paid to another level of government or to communities<br>Example:<br>- Municipal<br>- Aboriginal communities | \$  _____ 000      |
| d) | All other Crown charges  | \$  _____ 000      |
| e) | <b>Total Crown charges expenses</b><br>Sum of rows a to d  | \$  _____ 000      |

**15 What were your establishment's repair and maintenance expenses for the following items?**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Thousands of Can\$ |
|----|--|--------------------|
| a) | Trucks, tractors and other automotive equipment repair and maintenance | \$  _____ 000      |
| b) | Other operating machinery and equipment repair and maintenance         | \$  _____ 000      |
| c) | Building repair and maintenance  | \$  _____ 000      |
| d) | All other repair and maintenance                                       | \$  _____ 000      |
| e) | <b>Total repair and maintenance expenses</b><br>Sum of rows a to d     | \$  _____ 000      |

## Expenses – energy and water

These questions cover the fiscal year reported in question 1.

### 16 What were your establishment's energy and water expenses for the following items?

When precise figures are not available, provide your best estimates.  
Please report all amounts in thousands of Canadian dollars.

|  | Unit of measure             | Quantity purchased   | Value in thousands of Can\$ |
|--|-----------------------------|----------------------|-----------------------------|
| a) Coal  | Metric tons                 | <input type="text"/> | \$ <input type="text"/> 000 |
| b) Petroleum coke  | Metric tons                 | <input type="text"/> | \$ <input type="text"/> 000 |
| c) Coke  | Metric tons                 | <input type="text"/> | \$ <input type="text"/> 000 |
| d) Natural gas   | Thousands of cubic metres   | <input type="text"/> | \$ <input type="text"/> 000 |
| e) Gasoline – aviation   | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| f) Gasoline – motor  | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| g) Kerosene  | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| h) Diesel fuel   | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| i) Light fuel oil<br>Include:<br>- Number 2<br>- Number 3                    | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| j) Heavy fuel oil<br>Include:<br>- Number 4<br>- Number 5<br>- Number 6      | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| k) Propane   | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| l) Butane  | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| m) Electricity - purchased<br>Include:<br>- Service charges                  | Thousands of kilowatt-hours | <input type="text"/> | \$ <input type="text"/> 000 |
| n) Steam - purchased   | Gigajoules                  | <input type="text"/> | \$ <input type="text"/> 000 |
| o) Wood  | Metric tons                 | <input type="text"/> | \$ <input type="text"/> 000 |
| p) Water   | Litres                      | <input type="text"/> | \$ <input type="text"/> 000 |
| q) All other energy and water expenses<br>Example:<br>- Oxygen<br>- Hydrogen |                             | <input type="text"/> | \$ <input type="text"/> 000 |
| q1) Specify other energy and water expenses                                  | Unit of measure             | <input type="text"/> | \$ <input type="text"/> 000 |
| q2) Specify other energy and water expenses                                  | Unit of measure             | <input type="text"/> | \$ <input type="text"/> 000 |
| q3) Specify other energy and water expenses                                  | Unit of measure             | <input type="text"/> | \$ <input type="text"/> 000 |
| q4) Specify other energy and water expenses                                  | Unit of measure             | <input type="text"/> | \$ <input type="text"/> 000 |
| r) <b>Total energy and water expenses</b><br>Sum of rows a to q4             |                             |                      | \$ <input type="text"/> 000 |

## Inventories

These questions cover the fiscal year reported in question 1.

**17 What was the value of your establishment's inventory at the beginning and at the end of the fiscal year reported in question 1 for the following items?**

|   |   | Opening<br>(thousands of Can\$) | Closing<br>(thousands of Can\$) |
|---|---|---------------------------------|---------------------------------|
| <p>Lorsque les chiffres exacts ne sont pas disponibles, veuillez fournir vos meilleures estimations.</p> <p>Veuillez déclarer tous les montants en milliers de dollars canadiens.</p> | a) Raw materials and components purchased   | \$  _____000                    | \$  _____000                    |
|   | Include:  |                                 |                                 |
|   | - Ore and components purchased to be used in the making of the products and by-products leaving your establishment. |                                 |                                 |
|   | - Non-returnable containers and other shipping and packaging materials.   |                                 |                                 |
|   | b) Fuel   | \$  _____000                    | \$  _____000                    |
|   | c) Goods and work in progress   | \$  _____000                    | \$  _____000                    |
|   | d) Finished goods   | \$  _____000                    | \$  _____000                    |
| e) Goods purchased for resale, as is  | \$  _____000  | \$  _____000                    |                                 |
| f) All other inventories (specify):   | \$  _____000  | \$  _____000                    |                                 |
| _____   |   |                                 |                                 |
| g) <b>Total inventories</b>   |   | \$  _____000                    | \$  _____000                    |
| Sum of rows a to f  |   |                                 |                                 |

# Production

## Ore extraction and processing

These questions cover the fiscal year reported in question 1.

This section is related to the quantities of ore extracted or processed by your establishment.

**Note :**

- ▶ These questions are asked for many different industries, and some questions may not apply to your establishment.
- ▶ Enter a value of 0 if the value is nil or if the question or category does not apply to your establishment. In other words, do not leave any fields blank.
- ▶ Please refer to the *Participant Guide* for concepts and definitions.

**18 What was the quantity of ore extracted or processed by your establishment for the following items?**

|  | Metric tons          |
|--|----------------------|
| a) Crude ore extracted                                       | <input type="text"/> |
| b) Ore processed (crushed, milled, screened or concentrated) | <input type="text"/> |
| c) Rock waste or other waste                                 | <input type="text"/> |
| d) Ore reprocessed from tailings                             | <input type="text"/> |
| e) Other materials (specify)                                 | <input type="text"/> |
| <input type="text"/>   |                      |

**19 What is your establishment's excavation type(s)?**

Select all that apply.

- Underground
- Surface (open-pit)
- Brine wells or mine wells
- Other (specify):

## Delivery cost for goods produced

**20 What was your establishment's cost of delivering goods from own production, by own fleet (including the value of non-returnable containers)?**

- Include: Outward transportation charges or delivery expenses incurred by the establishment's own carriers, and the value of non-returnable containers.
- Exclude: Transportation charges or delivery expenses related to the use of a third party carrier.

\$  000

## Production – metallic commodities

These questions cover the fiscal year reported in question 1.

The following section is related to your establishment's **production**.

You will be asked to provide information on the quantities and values of the outputs produced by your establishment, as well as inventories, transfers, shipments and losses.

**Note :**

- ▶ These questions are asked for many different industries, and some questions may not apply to your establishment.
- ▶ Enter a value of 0 if the value is nil or if the question or category does not apply to your establishment. In other words, do not leave any fields blank.
- ▶ Please refer to the *Participant Guide* for concepts and definitions.

### 21 Select the product(s) that apply to your establishment.

Select all that apply.

- Silver, concentrate
- Copper, concentrate
- Iron, agglomerate
- Iron, concentrate
- Iron, DSO (Direct Shipping Ore)
- Ilmenite, concentrate
- Gold and silver bullion, crude and dore
- Molybdenum, concentrate
- Nickel, concentrate
- Gold, concentrate
- Palladium, concentrate
- Lead, concentrate
- Pyrochlore, concentrate (niobium)
- Spodumene, concentrate (lithium)
- Tantalum, concentrate
- Zinc, concentrate

## INSTRUCTIONS FOR QUESTIONS 22 TO 27

For each product selected in question 21, please answer questions 22 to 27 (pages 17 to 31). Print as many copies as the number of products selected.

**Please indicate the name of the product reported in question 21:**

The reported product is referred to as “the product” in questions 22 to 27.

For each product reported in question 21, please print a new copy of the section to be printed.

### **22 Select the unit of measure in which you would like to answer the questions related to quantities for this product.**

Mark only one response.

- Metric tons
- Short tons
- Kilograms
- Pounds
- Grams
- Troy ounces

### **23 Please provide the following information for the product.**

#### **Instructions:**

- ▶ Enter a value of 0 if the field does not apply to your establishment.  
For example, if your production is transferred to a plant for further processing and you still own your product, enter 0 under shipments. Do not leave any fields blank.
- ▶ Quantities refer to the product reported in question 21.  
For example, copper, nickel or zinc concentrate, gold bullion, ilmenite concentrate, etc.
- ▶ When precise figures are not available, provide your best estimates. Please report all amounts in thousands of Canadian dollars.
- ▶ Please refer to the *Participant Guide* for concepts and definitions.



Quantity Value (thousands of Can\$) Method of valuation (Mark only one response.)

When precise figures are not available, provide your best estimates.  
Please report all amounts in thousands of Canadian dollars.

a) Opening inventory  
Include:  
- Quantities your establishment **owns** on the **first day of the fiscal year**, whether they are stored at the mine or establishment, stored outside the mine or establishment or in transit but **not yet sold**.  
- Quantities your establishment **owns**, but produced under contract and stored at another establishment.  
- Quantities that will be re-processed or used in the production of other mining products at your establishment.  
Exclude:  
- Quantities your establishment **does not own**, for example, ore crushed, milled, screened, sorted or concentrated by your establishment under contract for another mine or establishment.

Final selling price  
 Production cost  
 Transfer value  
 Other (specify):

b) Transfers in and purchases  
Include:  
- Quantities **transferred (not yet sold)** to your establishment from other mines or establishments of your own company.  
- All quantities purchased during the fiscal year.  
Exclude:  
- Quantities your establishment **owns** that come from ore crushed, milled, screened, sorted or concentrated under contract at another mine or establishment. These should be reported in question 23 c) "Production that you own".

Final selling price  
 Production cost  
 Transfer value  
 Other (specify):

c) Production that you own  
Include:  
- Quantities your establishment **owns** that come from ore extracted, crushed, milled, screened, sorted or concentrated at your mine or establishment.  
- Quantities your establishment **owns** that come from ore crushed, milled, screened, sorted or concentrated under contract at another mine or establishment.  
Exclude:  
- Quantities re-processed and any other ore that your establishment **does not own** and that was crushed, milled, screened, sorted or concentrated under contract for another mine or establishment.

Final selling price  
 Production cost  
 Transfer value  
 Other (specify):

| Quantity | Value<br>(thousands of Can\$) | Method of valuation<br>(Mark only one response.)   |
|----------|-------------------------------|--|
| [ ]      | \$ [ ] 000                    | <input type="checkbox"/> Final selling price<br><input type="checkbox"/> Production cost<br><input type="checkbox"/> Transfer value<br><input type="checkbox"/> Other (specify): [ ] |
| [ ]      | \$ [ ] 000                    | <input type="checkbox"/> Final selling price<br><input type="checkbox"/> Production cost<br><input type="checkbox"/> Transfer value<br><input type="checkbox"/> Other (specify): [ ] |
| [ ]      | \$ [ ] 000                    | <input type="checkbox"/> Final selling price<br><input type="checkbox"/> Production cost<br><input type="checkbox"/> Transfer value<br><input type="checkbox"/> Other (specify): [ ] |
| [ ]      | \$ [ ] 000                    | <input type="checkbox"/> Final selling price<br><input type="checkbox"/> Production cost<br><input type="checkbox"/> Transfer value<br><input type="checkbox"/> Other (specify): [ ] |

d) Production done for others  
 Include:  
 - Quantities your establishment **does not own** which were extracted, crushed, milled, screened or concentrated under contract for another mine or establishment.

e) Shipments  
 Calculate: e1 + e2  
 Include:  
 - Quantities your establishment **owns** that were **sold** to another establishment, whether the sale is intra- or inter-company.  
 Exclude:  
 - Quantities transferred (internal transfers or transfers out), but **not yet sold**, from your mine or establishment to another establishment, whether the transfer is intra- or inter-company.

e1) Shipments (as is sales)  
 Include:  
 - Quantities your establishment **owns** that were **sold as is** to another establishment, whether the sale is intra- or inter-company.

e2) Shipments (for further processing)  
 Include:  
 - Quantities your establishment **owns** that were sold to another establishment **for further processing**, whether the sale is intra- or inter-company.  
 Exclude:  
 - Quantities transferred, but **not yet sold**, to establishments operating in Québec for further processing. These should be reported in question 23 f1) "Transfers out for further processing (in Québec)".  
 - Quantities transferred, but **not yet sold**, to establishments operating outside Québec for further processing. These should be reported in question 23 f2) "Transfers out for further processing (outside Québec but in Canada)" or 23 f3) "Transfers out for further processing (outside Canada)".

When precise figures are not available, provide your best estimates.  
 Please report all amounts in thousands of Canadian dollars.

Quantity Value (thousands of Can\$) Method of valuation (Mark only one response.)

f) Transfers **out** for further processing

Calculate: f1 + f2 + f3

Include:

- Quantities transferred (**not yet sold**) to other establishments (intra- or inter-company) where they will be going through further processing in or outside Québec.

\_\_\_\_\_ \$ \_\_\_\_\_ 000

Final selling price

Production cost

Transfer value

Other (specify): \_\_\_\_\_

f1) Transfers **out** for further processing (in Québec)

Include:

- Quantities that will be going through further processing in establishments operating in Québec.

\_\_\_\_\_ \$ \_\_\_\_\_ 000

Final selling price

Production cost

Transfer value

Other (specify): \_\_\_\_\_

f2) Transfers **out** for further processing (outside Québec but in Canada)

Include:

- Quantities that will be going through further processing in establishments operating outside Québec, but in Canada.

\_\_\_\_\_ \$ \_\_\_\_\_ 000

Final selling price

Production cost

Transfer value

Other (specify): \_\_\_\_\_

f3) Transfers **out** for further processing (outside Canada)

Include:

- Quantities that will be going through further processing in establishments operating outside Canada.

\_\_\_\_\_ \$ \_\_\_\_\_ 000

Final selling price

Production cost

Transfer value

Other (specify): \_\_\_\_\_

Quantity Value (thousands of Can\$) Method of valuation (Mark only one response.)

g) Internal transfers for further processing  
 Include:  
 - Quantities that will be used in the making of by-products at your establishment.

Quantity: [ ] Value: \$ [ ] 000  
 Method of valuation:  
 Final selling price  
 Production cost  
 Transfer value  
 Other (specify): [ ]

h) Waste and other losses  
 Include:  
 - Quantities unfit for sale on the market or for transfer for further processing.

Quantity: [ ] Value: \$ [ ] 000  
 Method of valuation:  
 Final selling price  
 Production cost  
 Transfer value  
 Other (specify): [ ]

i) Closing inventory  
 Calculate:  $a + b + c - e - g - h$   
 Include:  
 - Quantities your establishment owns on the last day of the fiscal year, whether they are stored at the mine or establishment, stored outside the mine or establishment or in transit but not yet sold.  
 - Quantities your establishment owns, but processed under contract and stored at another establishment.  
 - Quantities that will be re-processed or used in the production of other mining products at your mine or establishment.  
 Exclude:  
 - Quantities your establishment does not own. For example, ore processed by your establishment under contract for another mine or establishment.

Quantity: [ ]

When precise figures are not available, provide your best estimates.  
 Please report all amounts in thousands of Canadian dollars.

## Metal recovery

- 24 a) Select the economically viable metals from the quantities of each product leaving your establishment for further processing (Shipments for further processing + Transfers out for further processing reported at question 23). Please provide the information requested.**

For each item, you will need to provide information on the quantity of metal contained in each product selected at question 21, the quantity of recoverable metal after primary processing of the product (smelting or refining), and the market value of the metal.

**Silver**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|  |  | Quantity             | Unit of measure<br>(Mark only one response.) |                                      |
|--|--|----------------------|--|--------------------------------------|
| a)                                       | Quantity of metal contained in the product                                 | <input type="text"/> | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|  |  |                      | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| b)                                       | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/> | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|  |  |                      | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| c) Market value of the recoverable metal |  |                      | <b>Value (thousands of Can\$)</b>            |                                      |
|  |  |                      | \$ <input type="text"/> 000                  |                                      |

**Cobalt**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|  |  | Quantity             | Unit of measure<br>(Mark only one response.) |                                      |
|--|--|----------------------|--|--------------------------------------|
| a)                                       | Quantity of metal contained in the product                                 | <input type="text"/> | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|  |  |                      | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| b)                                       | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/> | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|  |  |                      | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| c) Market value of the recoverable metal |  |                      | <b>Value (thousands of Can\$)</b>            |                                      |
|  |  |                      | \$ <input type="text"/> 000                  |                                      |

**Copper**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|  |  | Quantity             | Unit of measure<br>(Mark only one response.) |                                      |
|--|--|----------------------|--|--------------------------------------|
| a)                                       | Quantity of metal contained in the product                                 | <input type="text"/> | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|  |  |                      | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| b)                                       | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/> | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|  |  |                      | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| c) Market value of the recoverable metal |  |                      | <b>Value (thousands of Can\$)</b>            |                                      |
|  |  |                      | \$ <input type="text"/> 000                  |                                      |

**Iridium**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Quantity             | Unit of measure<br>(Mark only one response.)              |                                      |
|----|--|----------------------|---|--------------------------------------|
| a) | Quantity of metal contained in the product                                 | <input type="text"/> | <input type="checkbox"/> Kilograms                        | <input type="checkbox"/> Grams       |
|    |  |                      | <input type="checkbox"/> Pounds                           | <input type="checkbox"/> Troy ounces |
| b) | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/> | <input type="checkbox"/> Kilograms                        | <input type="checkbox"/> Grams       |
|    |  |                      | <input type="checkbox"/> Pounds                           | <input type="checkbox"/> Troy ounces |
| c) | Market value of the recoverable metal                                      |                      | Value (thousands of Can\$)<br>\$ <input type="text"/> 000 |                                      |

**Nickel**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Quantity             | Unit of measure<br>(Mark only one response.)              |                                      |
|----|--|----------------------|---|--------------------------------------|
| a) | Quantity of metal contained in the product                                 | <input type="text"/> | <input type="checkbox"/> Kilograms                        | <input type="checkbox"/> Grams       |
|    |  |                      | <input type="checkbox"/> Pounds                           | <input type="checkbox"/> Troy ounces |
| b) | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/> | <input type="checkbox"/> Kilograms                        | <input type="checkbox"/> Grams       |
|    |  |                      | <input type="checkbox"/> Pounds                           | <input type="checkbox"/> Troy ounces |
| c) | Market value of the recoverable metal                                      |                      | Value (thousands of Can\$)<br>\$ <input type="text"/> 000 |                                      |

**Gold**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Quantity             | Unit of measure<br>(Mark only one response.)              |                                      |
|----|--|----------------------|---|--------------------------------------|
| a) | Quantity of metal contained in the product                                 | <input type="text"/> | <input type="checkbox"/> Kilograms                        | <input type="checkbox"/> Grams       |
|    |  |                      | <input type="checkbox"/> Pounds                           | <input type="checkbox"/> Troy ounces |
| b) | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/> | <input type="checkbox"/> Kilograms                        | <input type="checkbox"/> Grams       |
|    |  |                      | <input type="checkbox"/> Pounds                           | <input type="checkbox"/> Troy ounces |
| c) | Market value of the recoverable metal                                      |                      | Value (thousands of Can\$)<br>\$ <input type="text"/> 000 |                                      |

**Palladium**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Quantity             | Unit of measure<br>(Mark only one response.)              |                                      |
|----|--|----------------------|---|--------------------------------------|
| a) | Quantity of metal contained in the product                                 | <input type="text"/> | <input type="checkbox"/> Kilograms                        | <input type="checkbox"/> Grams       |
|    |  |                      | <input type="checkbox"/> Pounds                           | <input type="checkbox"/> Troy ounces |
| b) | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/> | <input type="checkbox"/> Kilograms                        | <input type="checkbox"/> Grams       |
|    |  |                      | <input type="checkbox"/> Pounds                           | <input type="checkbox"/> Troy ounces |
| c) | Market value of the recoverable metal                                      |                      | Value (thousands of Can\$)<br>\$ <input type="text"/> 000 |                                      |

**Platinum**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

a) Quantity of metal contained in the product

Kilograms

Grams

Pounds

Troy ounces

b) Quantity of recoverable metal (after primary processing of the product)

Kilograms

Grams

Pounds

Troy ounces

c) Valeur marchande du métal récupérable

**Value (thousands of Can\$)**

\$  000

**Lead**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

a) Quantity of metal contained in the product

Kilograms

Grams

Pounds

Troy ounces

b) Quantity of recoverable metal (after primary processing of the product)

Kilograms

Grams

Pounds

Troy ounces

c) Valeur marchande du métal récupérable

**Value (thousands of Can\$)**

\$  000

**Rhodium**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

a) Quantity of metal contained in the product

Kilograms

Grams

Pounds

Troy ounces

b) Quantity of recoverable metal (after primary processing of the product)

Kilograms

Grams

Pounds

Troy ounces

c) Market value of the recoverable metal

**Value (thousands of Can\$)**

\$  000

**Ruthenium**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

a) Quantity of metal contained in the product

Kilograms

Grams

Pounds

Troy ounces

b) Quantity of recoverable metal (after primary processing of the product)

Kilograms

Grams

Pounds

Troy ounces

c) Market value of the recoverable metal

**Value (thousands of Can\$)**

\$  000

**Zinc**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Quantity                          | Unit of measure<br>(Mark only one response.) |                                      |
|----|--|-----------------------------------|--|--------------------------------------|
| a) | Quantity of metal contained in the product                                 | <input type="text"/>              | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|    |  |                                   | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| b) | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/>              | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|    |  |                                   | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
|    |  | <b>Value (thousands of Can\$)</b> |  |                                      |
| c) | Market value of the recoverable metal                                      | \$ <input type="text"/> 000       |  |                                      |

**Other metal 1 (specify):**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Quantity                          | Unit of measure<br>(Mark only one response.) |                                      |
|----|--|-----------------------------------|--|--------------------------------------|
| a) | Quantity of metal contained in the product                                 | <input type="text"/>              | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|    |  |                                   | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| b) | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/>              | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|    |  |                                   | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
|    |  | <b>Value (thousands of Can\$)</b> |  |                                      |
| c) | Market value of the recoverable metal                                      | \$ <input type="text"/> 000       |  |                                      |

**Other metal 2 (specify):**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Quantity                          | Unit of measure<br>(Mark only one response.) |                                      |
|----|--|-----------------------------------|--|--------------------------------------|
| a) | Quantity of metal contained in the product                                 | <input type="text"/>              | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|    |  |                                   | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| b) | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/>              | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|    |  |                                   | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
|    |  | <b>Value (thousands of Can\$)</b> |  |                                      |
| c) | Market value of the recoverable metal                                      | \$ <input type="text"/> 000       |  |                                      |

**Other metal 3 (specify):**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

|    |  | Quantity                          | Unit of measure<br>(Mark only one response.) |                                      |
|----|--|-----------------------------------|--|--------------------------------------|
| a) | Quantity of metal contained in the product                                 | <input type="text"/>              | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|    |  |                                   | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
| b) | Quantity of recoverable metal<br>(after primary processing of the product) | <input type="text"/>              | <input type="checkbox"/> Kilograms           | <input type="checkbox"/> Grams       |
|    |  |                                   | <input type="checkbox"/> Pounds              | <input type="checkbox"/> Troy ounces |
|    |  | <b>Value (thousands of Can\$)</b> |  |                                      |
| c) | Market value of the recoverable metal                                      | \$ <input type="text"/> 000       |  |                                      |



**Other metal 4 (specify):** \_\_\_\_\_

**Quantity**

**Unit of measure**

(Mark only one response.)

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

- |    |   |       |                          |           |                          |             |
|----|---|-------|--------------------------|-----------|--------------------------|-------------|
| a) | Quantity of metal contained in the product                              | _____ | <input type="checkbox"/> | Kilograms | <input type="checkbox"/> | Grams       |
|    |   |       | <input type="checkbox"/> | Pounds    | <input type="checkbox"/> | Troy ounces |
| b) | Quantity of recoverable metal (after primary processing of the product) | _____ | <input type="checkbox"/> | Kilograms | <input type="checkbox"/> | Grams       |
|    |   |       | <input type="checkbox"/> | Pounds    | <input type="checkbox"/> | Troy ounces |

**Value (thousands of Can\$)**

- c) Market value of the recoverable metal      \$ \_\_\_\_\_ 000

## Metal by-products

- 24 b) Select the by-product(s) produced from the quantities of each product leaving your establishment for further processing (Shipments for further processing + Transfers out for further processing reported at question 23) and/or transferred internally for further processing (Internal transfers for further processing reported at question 23). Please provide the information requested.**

For each item, you will need to provide information on the **quantity of by-product produced** from the product selected at question 21, as well as the **market value of the by-product produced**.

When a by-product is produced **directly at your establishment (internal transfers for further processing)** from the product selected at question 21, you must also provide information on the **quantity of by-product shipped and the market value of the by-product shipped**.

**Ferroniobium**

**Quantity**

**Unit of measure**

(Mark only one response.)

### Production

- a) Quantity of ferroniobium produced   Metric tons  Pounds  
 Short tons  Grams  
 Kilograms  Troy ounces

**Value (thousands of Can\$)**

- b) Market value of ferroniobium produced \$  000

### Shipments

- c) Quantity of ferroniobium shipped \$  000  
d) Market value of ferroniobium shipped \$  000

**Lithium carbonate**

**Quantity**

**Unit of measure**

(Mark only one response.)

### Production

- a) Quantity of lithium carbonate produced   Metric tons  Pounds  
 Short tons  Grams  
 Kilograms  Troy ounces

**Value (thousands of Can\$)**

- b) Market value of lithium carbonate produced \$  000

### Shipments

- c) Quantity of lithium carbonate shipped \$  000  
d) Market value of lithium carbonate shipped \$  000

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

**Lithium hydroxide**

**Quantity**

**Unit of measure**  
(Mark only one response.)

**Production**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

- a) Quantity of lithium hydroxide produced   Metric tons  Pounds  
 Short tons  Grams  
 Kilograms  Troy ounces

**Value (thousands of Can\$)**

- b) Market value of lithium hydroxide produced \$  000

**Shipments**

- c) Quantity of lithium hydroxide shipped \$  000  
d) Market value of lithium hydroxide shipped \$  000

**Cast iron**

**Quantity**

**Unit of measure**  
(Mark only one response.)

**Production**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

- a) Quantity of cast iron produced   Metric tons  Pounds  
 Short tons  Grams  
 Kilograms  Troy ounces

**Value (thousands of Can\$)**

- b) Market value of cast iron produced \$  000

**Shipments**

- c) Quantity of cast iron shipped \$  000  
d) Market value of cast iron shipped \$  000

**Titanium slag**

**Quantity**

**Unit of measure**  
(Mark only one response.)

**Production**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

- a) Quantity of titanium slag produced   Metric tons  Pounds  
 Short tons  Grams  
 Kilograms  Troy ounces

**Value (thousands of Can\$)**

- b) Market value of titanium slag produced \$  000

**Shipments**

- c) Quantity of titanium slag shipped \$  000  
d) Market value of titanium slag shipped \$  000

**Other by-product 1 (specify):** \_\_\_\_\_

**Quantity**

**Unit of measure**  
(Mark only one response.)

**Production**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

- a) Quantity of by-product produced \_\_\_\_\_  Metric tons  Pounds  
 Short tons  Grams  
 Kilograms  Troy ounces

**Value (thousands of Can\$)**

- b) Market value of by-product produced \$ \_\_\_\_\_ 000

**Shipments**

- c) Quantity of by-product shipped \$ \_\_\_\_\_ 000  
d) Market value of by-product shipped \$ \_\_\_\_\_ 000

**Other by-product 2 (specify):** \_\_\_\_\_

**Quantity**

**Unit of measure**  
(Mark only one response.)

**Production**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

- a) Quantity of by-product produced \_\_\_\_\_  Metric tons  Pounds  
 Short tons  Grams  
 Kilograms  Troy ounces

**Value (thousands of Can\$)**

- b) Market value of by-product produced \$ \_\_\_\_\_ 000

**Shipments**

- c) Quantity of by-product shipped \$ \_\_\_\_\_ 000  
d) Market value of by-product shipped \$ \_\_\_\_\_ 000

**Other by-product 3 (specify):** \_\_\_\_\_

**Quantity**

**Unit of measure**  
(Mark only one response.)

**Production**

When precise figures are not available, provide your best estimates.

Please report all amounts in thousands of Canadian dollars.

- a) Quantity of by-product produced \_\_\_\_\_  Metric tons  Pounds  
 Short tons  Grams  
 Kilograms  Troy ounces

**Value (thousands of Can\$)**

- b) Market value of by-product produced \$ \_\_\_\_\_ 000

**Shipments**

- c) Quantity of by-product shipped \$ \_\_\_\_\_ 000  
d) Market value of by-product shipped \$ \_\_\_\_\_ 000

**25 Provide the name and address of the processing plants (for example: smelters, refineries, steel mills) to which the product was sent for further processing.**

|                                  | <b>Name of processing plant</b> | <b>Address</b> |
|----------------------------------|---------------------------------|----------------|
| a) In Québec                     |                                 |                |
|                                  | Plant 1 _____                   | _____          |
|                                  | Plant 2 _____                   | _____          |
|                                  | Plant 3 _____                   | _____          |
|                                  | Plant 4 _____                   | _____          |
| b) Outside Québec, but in Canada |                                 |                |
|                                  | Plant 1 _____                   | _____          |
|                                  | Plant 2 _____                   | _____          |
|                                  | Plant 3 _____                   | _____          |
|                                  | Plant 4 _____                   | _____          |
| c) Outside Canada                |                                 |                |
|                                  | Plant 1 _____                   | _____          |
|                                  | Plant 2 _____                   | _____          |
|                                  | Plant 3 _____                   | _____          |
|                                  | Plant 4 _____                   | _____          |

---

## Destination of shipments - metallic commodities

These questions cover the fiscal year reported in question 1.

### 26 Please provide a breakdown by destination of the value of shipments reported in question 23 e) for the product.

|                                  | % breakdown |
|----------------------------------|-------------|
| <b>Canada</b>                    |             |
| a) Newfoundland and Labrador     | %           |
| b) Prince Edward Island          | %           |
| c) Nova Scotia                   | %           |
| d) New Brunswick                 | %           |
| e) Québec                        | %           |
| f) Ontario                       | %           |
| g) Manitoba                      | %           |
| h) Saskatchewan                  | %           |
| i) Alberta                       | %           |
| j) British Columbia              | %           |
| k) Yukon                         | %           |
| l) Northwest Territories         | %           |
| m) Nunavut                       | %           |
| <b>Outside Canada</b>            |             |
| n) United States                 | %           |
| o) Asia                          | %           |
| p) Europe                        | %           |
| q) Other                         | %           |
| <b>Total shipments</b>           |             |
| Sum of percentages a to q = 100% | 100 %       |

---

## Forecasted production, transfers out and shipments – metallic commodities

These questions cover the fiscal year reported in question 1 + 1 year.

### 27 Please provide a forecast of production, transfers and shipments of the product for your next fiscal year.

|  | Quantity | Value in thousands of Can\$ |
|--|----------|-----------------------------|
| a) Forecasted production   |          | \$         000              |
| b) Forecasted transfers out for further processing<br>(not yet sold) |          | \$         000              |
| c) Forecasted shipments  |          | \$         000              |

## Ore reserves

These questions cover the fiscal year reported in question 1.

### Ore reserves – metallic commodities

#### 28 What were the proven and probable reserves for your establishment?

|             | Reserve quantity     | Unit of measure<br>(Mark only one response.) |                                     |
|-------------|----------------------|--|-------------------------------------|
| a) Proven   | <input type="text"/> | <input type="checkbox"/> Metric tons         | <input type="checkbox"/> Short tons |
| b) Probable | <input type="text"/> | <input type="checkbox"/> Metric tons         | <input type="checkbox"/> Short tons |

#### 29 Please provide the content of the element or ore in the proven mineral reserve of the deposit reported in question 28 a).

|               | Content              |                            | Unit of measure<br>(Mark only one response.) |  |
|---------------|----------------------|----------------------------|--|--|
| a) Antimony   | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| b) Silver     | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| c) Bismuth    | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| d) Cadmium    | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| e) Cobalt     | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| f) Silver     | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| g) Iron       | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| h) Iridium    | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| i) Ilmenite   | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| j) Lithium    | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| k) Magnesium  | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| l) Molybdenum | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| m) Nickel     | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| n) Niobium    | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |

|       |                                      | Content              |                            | Unit of measure                              |  |
|-------|--------------------------------------|----------------------|----------------------------|--|--|
|       |                                      |                      |                            | (Mark only one response.)                    |  |
| o)    | Gold                                 | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| p)    | Palladium                            | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| q)    | Platinum                             | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| r)    | Lead                                 | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| s)    | Rhodium                              | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| t)    | Ruthenium                            | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| u)    | Selenium                             | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| v)    | Tellurium                            | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| w)    | Titanium                             | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| x)    | Zinc                                 | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| y)    | Other element or ore 1<br>(specify): | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| _____ |                                      |                      |                            |  |  |
| z)    | Other element or ore 2<br>(specify): | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| _____ |                                      |                      |                            |  |  |

**30 Please provide the content of the element or ore in the probable mineral reserve of the deposit reported in question 28 b).**

|    |          | Content              |                            | Unit of measure                              |  |
|----|----------|----------------------|----------------------------|--|--|
|    |          |                      |                            | (Mark only one response.)                    |  |
| a) | Antimony | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| b) | Silver   | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| c) | Bismuth  | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| d) | Cadmium  | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| e) | Cobalt   | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| f) | Silver   | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| g) | Iron     | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |



|    |                                      | Content              |                            | Unit of measure                              |  |
|----|--------------------------------------|----------------------|----------------------------|--|--|
|    |                                      |                      |                            | (Mark only one response.)                    |  |
| h) | Iridium                              | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| i) | Ilmenite                             | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| j) | Lithium                              | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| k) | Magnesium                            | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| l) | Molybdenum                           | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| m) | Nickel                               | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| n) | Niobium                              | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| o) | Gold                                 | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| p) | Palladium                            | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| q) | Platinum                             | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| r) | Lead                                 | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| s) | Rhodium                              | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| t) | Ruthenium                            | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| u) | Selenium                             | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| v) | Tellurium                            | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| w) | Titanium                             | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| x) | Zinc                                 | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
| y) | Other element or ore 1<br>(specify): | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
|    | _____                                |                      |                            |  |  |
| z) | Other element or ore 2<br>(specify): | <input type="text"/> | <input type="checkbox"/> % | <input type="checkbox"/> Gram/<br>metric ton | <input type="checkbox"/> Ounce/<br>short ton |
|    | _____                                |                      |                            |  |  |

The Institut de la statistique du Québec thanks you for participating in this survey.