

# Monthly Mineral Production Survey

## About the survey

The *Monthly Mineral Production Survey* 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 mining industry in Québec. It measures the main economic, financial and mining variables in this industry.

## 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 Québec *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 (Statistique Québec) as requested in this questionnaire. Statistique 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 Statistique Québec with data from other surveys or administrative records 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 are described in the *Participant Guide* included with this questionnaire

## Reporting period

### 1 Please enter the reporting period for your establishment.

Start date (YYYY-MM-DD)

End date (YYYY-MM-DD)

- If your reporting period covers at least 28 days, please go to question 3.  
If not, please answer question 2.

### 2 What is the reason the reporting period does not cover at least 28 days?

Check all that apply.

- Seasonal operations
- New business
- Change of ownership
- Temporarily inactive
- Ceased operations
- Other → Specify the reason why the reporting period does not cover at least 28 days.

## Extraction/harvesting and processing

These questions cover the reporting period from question 1.

This section is related to the quantity of materials extracted, harvested or processed by your establishment.

### Notes:

- ▶ 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.

### 3 What was the quantity of materials extracted, harvested or processed by your establishment for the following items?

- For the mining industry, please report your quantities in **metric tons**.
- For the peat industry, please report your quantities in **170 dm<sup>3</sup>**.

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

- |  |                      |
|--|----------------------|
| a) Crude ore extracted / Peat harvested                      | <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"/>   |                      |

## Production

These questions cover the reporting period from question 1.

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

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

**Notes:**

- ▶ 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.

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

#### Metallic commodities

Check all that apply.

- |  |   |
|--|---|
| <input type="checkbox"/> Silver, concentrate                     | <input type="checkbox"/> Gold, concentrate                            |
| <input type="checkbox"/> Copper, concentrate                     | <input type="checkbox"/> Palladium, concentrate                       |
| <input type="checkbox"/> Iron, agglomerate                       | <input type="checkbox"/> Lead, concentrate                            |
| <input type="checkbox"/> Iron, concentrate                       | <input type="checkbox"/> Pyrochlore, concentrate (niobium)            |
| <input type="checkbox"/> Iron, DSO (direct shipping ore)         | <input type="checkbox"/> Spodumene, concentrate (lithium)             |
| <input type="checkbox"/> Ilmenite, concentrate                   | <input type="checkbox"/> Tantalum, concentrate                        |
| <input type="checkbox"/> Gold and silver bullion, crude and dore | <input type="checkbox"/> Zinc, concentrate                            |
| <input type="checkbox"/> Molybdenum, concentrate                 | <input type="checkbox"/> Other metallic commodity (specify):<br>_____ |
| <input type="checkbox"/> Nickel, concentrate                     | <input type="checkbox"/> Other metallic commodity (specify):<br>_____ |

**Non-metallic commodities (minerals and peat)**

Barite

Stone

Limestone

Cement rock

Diamonds

Diamonds – gem

Diamonds – semi-gem

Diamonds – industrial bort

Diamonds – industrial other

Graphite

Gypsum (anhydrite)

Mica

Semi-precious and precious stones

Pumice

Potash

Pyrophyllite

Salt

Salt – rock

Salt – in brine

Salt – fine vacuum

Elemental sulphur

Soapstone

Sodium sulphate

Talc

Crude peat (100% peat) in bulk

Wollastonite

Zeolite

Other non-metallic commodity (specify):

\_\_\_\_\_

Other non-metallic commodity (specify):

\_\_\_\_\_

**By-products produced (lime and cement)**

Lime - hydrated lime

Lime - quicklime

Cement

Other by-product produced (specify):

\_\_\_\_\_

Other by-product produced (specify):

\_\_\_\_\_

## INSTRUCTIONS FOR QUESTIONS 5 TO 7

For each product selected at question 4, please answer questions 5 to 7 (pages 7 to 23). Print as many copies as the number of products selected.

**Please indicate the name of the product reported at question 4:**

The reported product is referred to as “the product” in questions 5 to 7.

For each product reported at question 4, please print a new copy of the section to be printed.

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

- For diamonds, the unit of measure is the **carat**.
- For peat, the unit of measure is **170 dm<sup>3</sup>**.

Mark only one response.

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

**6 Please provide the following information for the product.**

- For the peat industry, please go to page 11.

**Instructions:**

- ▶ Please enter a value of 0 if the field does not apply to your establishment. Do not leave any fields blank.  
For example, if your production is transferred to a plant for further processing and you still own your product, enter 0 under shipping.
- ▶ Quantities refers to the product reported at question 4.  
For example, copper, nickel or zinc concentrate, gold bullion, ilmenite concentrate, barite, diamonds – gem, graphite, limestone, cement stone, etc.
- ▶ When precise figures are not available, please provide your best estimates. Enter all amounts in thousands of Canadian dollars.
- ▶ Please refer to the *Participant Guide* for concepts and definitions.

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

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

- a) Opening inventory
- Include:
- Quantities that your establishment **owns** on the **first day of the reporting period**, whether they are stored at the mine or establishment, stored outside the mine or establishment or in transit but **not yet sold**.
  - Quantities that 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 that your establishment **does not own**, for example, ore crushed, milled, screened, sorted or concentrated by your establishment under contract for another mine or establishment.

- 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 reporting period.
- Exclude:
- Quantities that your establishment **owns** that come from ore crushed, milled, screened, sorted or concentrated under contract at another mine or establishment. These should be reported at question 6 c) "Production".

- c) Production
- Include:
- Quantities that your establishment **owns** that come from ore extracted, crushed, milled, screened, sorted or concentrated at your mine or establishment.
  - Quantities that 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.

\$  000

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



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

d) Shipments

Calculate: d1 + d2

Include:

- Quantities that 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.

d1) Shipments (as-is sales)

Include:

- Quantities that your establishment **owns** that were **sold as is** to another establishment, whether the sale is intra- or inter-company.

d2) Shipments (for further processing)

Include:

- Quantities that your establishment **owns** that were **sold** to another establishment **for further processing**, whether the sale is intra- or inter-company.

Exclude:

- Quantities transferred to establishments operating within or outside Québec **for further processing, but not yet sold**. These should be reported at question 6 e) "Transfers out (for further processing)".

e) Transfers out (for further processing)

Include:

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

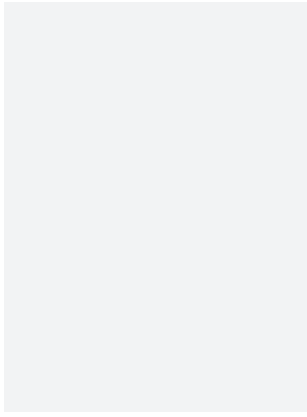
Quantity

\_\_\_\_\_

Value  
(thousands of Can\$)

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

Value convention  
(Mark only one response.)



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

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

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

Quantity

Value  
(thousands of Can\$)

Value convention  
(Mark only one response.)

Quantity

Value  
(thousands of Can\$)

Value convention  
(Mark only one response.)

f) **Internal transfers (for further processing)**

Include:

- Quantities that will be used in the making of **by-products** at your establishment.

Quantity

Value  
(thousands of Can\$)

Value convention  
(Mark only one response.)

g) **Closing inventory**

Calculate:  $a + b + c - d - f$

Include:

- Quantities that your establishment **owns on the last day of the reporting period**, whether they are stored at the mine or establishment, stored outside the mine or establishment or in transit but not yet sold.
- Quantities that 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 that your establishment **does not own**, for example, ore processed by your establishment under contract for another mine or establishment.

## 6.1 Please provide the following information for peat.

### Instructions:

- ▶ Please enter a value of 0 if the field does not apply to your establishment. Do not leave any fields blank.  
For example, if your production is transferred to a plant for further processing and you still own your product, enter 0 under shipping.
- ▶ Quantities refers to the product reported at question 4.
- ▶ When precise figures are not available, please provide your best estimates. Enter all amounts in thousands of Canadian dollars.
- ▶ Please refer to the *Participant Guide* for concepts and definitions.

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

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

a) Opening inventory  
Include:  
- Quantities that your establishment **owns** on the **first day of the reporting period**, whether they are stored at the establishment, stored outside the establishment or in transit but **not yet sold**.  
- Quantities that your establishment **owns**, but produced under contract and stored at another establishment.  
Exclude:  
- Quantities that your establishment **does not own**, for example, peat mixed or packaged by your establishment under contract for another establishment.

b) Transfers in and purchases  
Include:  
- Quantities **transferred (not yet sold)** to your establishment **from** other establishments of your own company.  
- All quantities purchased during the reporting period.  
Exclude:  
- Quantities that your establishment **owns** that come from crude peat packaged or processed (e.g. mixed) under contract at another establishment. These should be reported at question 6.1 c) "Production".

c) Production  
Include:  
- Quantities that your establishment **owns** that come from peat harvested or processed at your establishment.  
- Quantities that your establishment **owns** that come from peat harvested or processed under contract at another establishment.  
Exclude:  
- Quantities that your establishment **does not own** and that were harvested or processed under contract for another establishment.

Quantity: \_\_\_\_\_

Value (thousands of Can\$): \$ \_\_\_\_\_ 000

Value convention (Mark only one response.):

Final selling price

Production cost

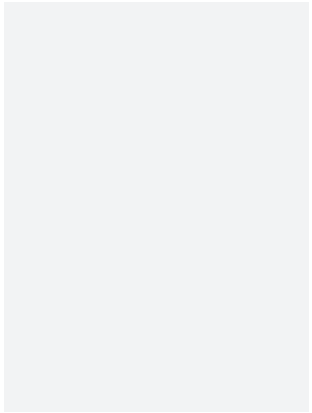
Transfer value

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

Quantity

Value (thousands of Can\$)

Value convention (Mark only one response.)



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

d) Shipments  
Calculate: d1 + d2  
Include:  
- Quantities that 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 establishment to another establishment, whether the transfer is intra- or inter-company.

d1) Shipments (as-is sales)  
Include:  
- Quantities that your establishment **owns** that were **sold as is** to another establishment, whether the sale is intra- or inter-company.

d2) Shipments (for further processing)  
Include:  
- Quantities that your establishment **owns** that were **sold** to another establishment **for further processing**, whether the sale is intra- or inter-company.  
Exclude:  
- Quantities transferred to establishments operating within or outside Québec for further processing, **but not yet sold**. These should be reported at question 6.1 e) "Transfers out (for further processing)".

e) Transfers out (for further processing)  
Include:  
- Quantities transferred (**not yet sold**) to other establishments (intra- or inter-company) where they will be going through further processing within or outside Québec.

[ ] \$ [ ] 000

[ ] \$ [ ] 000

[ ] \$ [ ] 000

[ ] \$ [ ] 000

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

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

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

Quantity

Value  
(thousands of Can\$)

Value convention  
(Mark only one response.)

f) **Internal transfers (for further processing)**

Include:

- Quantities that will be used in the making of peat **by-products** (packaged or mixed peat) at your establishment.

g) **Closing inventory**

Calculate:  $a + b + c - d - f$

Include:

- Quantities that your establishment **owns** on **the last day of the reporting period**, whether they are stored at the establishment, stored outside the establishment or in transit but not yet sold.
- Quantities that 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 products at your establishment.

Exclude:

- Quantities that your establishment **does not own**, for example, peat harvested or processed by your establishment under contract for another establishment.

## Metal recovery

- 7 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 6). 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 4, 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, please provide your best estimates.

Enter all amounts in thousands of Canadian dollars.

		Quantity	Unit of measure (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 (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		

**Cobalt**

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

Enter all amounts in thousands of Canadian dollars.

		Quantity	Unit of measure (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 (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		

**Copper**

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

Enter all amounts in thousands of Canadian dollars.

		Quantity	Unit of measure (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 (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		

**Iridium**

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

Enter all amounts in thousands of Canadian dollars.

- a) Quantity of metal contained in the product
- b) Quantity of recoverable metal (after primary processing of the product)

Quantity	Unit of measure (Mark only one response.)	
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
_____	<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\$)**  
\$ \_\_\_\_\_000

**Nickel**

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

Enter all amounts in thousands of Canadian dollars.

- a) Quantity of metal contained in the product
- b) Quantity of recoverable metal (after primary processing of the product)

Quantity	Unit of measure (Mark only one response.)	
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
_____	<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\$)**  
\$ \_\_\_\_\_000

**Gold**

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

Enter all amounts in thousands of Canadian dollars.

- a) Quantity of metal contained in the product
- b) Quantity of recoverable metal (after primary processing of the product)

Quantity	Unit of measure (Mark only one response.)	
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
_____	<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\$)**  
\$ \_\_\_\_\_000

**Palladium**

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

Enter all amounts in thousands of Canadian dollars.

- a) Quantity of metal contained in the product
- b) Quantity of recoverable metal (after primary processing of the product)

Quantity	Unit of measure (Mark only one response.)	
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
_____	<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\$)**  
\$ \_\_\_\_\_000



**Platinum**

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

Enter all amounts in thousands of Canadian dollars.

- a) Quantity of metal contained in the product
- b) Quantity of recoverable metal (after primary processing of the product)
- c) Market value of the recoverable metal

Quantity	Unit of measure (Mark only one response.)	
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
<b>Value (thousands of Can\$)</b>		
\$ _____ 000		

**Lead**

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

Enter all amounts in thousands of Canadian dollars.

- a) Quantity of metal contained in the product
- b) Quantity of recoverable metal (after primary processing of the product)
- c) Market value of the recoverable metal

Quantity	Unit of measure (Mark only one response.)	
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
<b>Value (thousands of Can\$)</b>		
\$ _____ 000		

**Rhodium**

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

Enter all amounts in thousands of Canadian dollars.

- a) Quantity of metal contained in the product
- b) Quantity of recoverable metal (after primary processing of the product)
- c) Market value of the recoverable metal

Quantity	Unit of measure (Mark only one response.)	
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
<b>Value (thousands of Can\$)</b>		
\$ _____ 000		

**Ruthenium**

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

Enter all amounts in thousands of Canadian dollars.

- a) Quantity of metal contained in the product
- b) Quantity of recoverable metal (after primary processing of the product)
- c) Market value of the recoverable metal

Quantity	Unit of measure (Mark only one response.)	
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
_____	<input type="checkbox"/> Kilograms	<input type="checkbox"/> Grams
	<input type="checkbox"/> Pounds	<input type="checkbox"/> Troy ounces
<b>Value (thousands of Can\$)</b>		
\$ _____ 000		

**Zinc**

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

Enter all amounts in thousands of Canadian dollars.

	Quantity	Unit of measure (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 (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, please provide your best estimates.

Enter all amounts in thousands of Canadian dollars.

	Quantity	Unit of measure (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 (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, please provide your best estimates.

Enter all amounts in thousands of Canadian dollars.

	Quantity	Unit of measure (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 (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, please provide your best estimates.

Enter all amounts in thousands of Canadian dollars.

	Quantity	Unit of measure (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 (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, please provide your best estimates.

Enter 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

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

c) Market value of the recoverable metal

\$  000

## Metal by-products

- 7 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 6) and/or transferred internally for further processing (Internal transfers for further processing reported at question 6). 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 4, 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 4, 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, please provide your best estimates.

Enter all amounts in thousands of Canadian dollars.

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

Enter all amounts in thousands of Canadian dollars.

**Lithium hydroxide**

**Quantity**

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

**Production**

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

Enter 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, please provide your best estimates.

Enter 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, please provide your best estimates.

Enter 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, please provide your best estimates.

Enter 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, please provide your best estimates.

Enter 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**

- 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

## Production capacity

These questions cover the reporting period from question 1.

The following section is related to the production capacity of your establishment.

You must estimate at what percentage of its production capacity your establishment operated during the reporting period.

### Instructions:

To answer the question, use the following formula:

**(Actual production value / Potential production value) x 100**

- ▶ For the **actual production value** (production capacity utilized during the reporting period), please report the value (in thousands of Canadian dollars) entered at question 6c.
- ▶ For the **potential production value** (production capacity), estimate the value of production of your establishment in thousands of Canadian dollars, as if the establishment had been operating at full production capacity for the whole month.
- ▶ **Full production capacity** is defined as the maximum level of production that your establishment could reasonably expect to attain under realistic labour and operating conditions, fully utilizing the machinery and equipment in place.

Please refer to the *Participant Guide* for concepts and definitions.

### 8 At what percentage of its production capacity has your establishment been operating?

%

### 9 If your establishment has been operating at less than its full production capacity, what were the reasons?

Check all that apply.

- |  |  |
|--|--|
| <input type="checkbox"/> Weather                       | <input type="checkbox"/> Insufficient labour available |
| <input type="checkbox"/> Commodity prices              | <input type="checkbox"/> Seasonal operations           |
| <input type="checkbox"/> Temporary plant shutdown      | <input type="checkbox"/> Financial constraints         |
| <input type="checkbox"/> Lack of materials or supplies | <input type="checkbox"/> Quality issues                |
| <input type="checkbox"/> Sufficient inventory          | <input type="checkbox"/> Insufficient orders           |
| <input type="checkbox"/> Storage limitation            | <input type="checkbox"/> Strike or work stoppage       |
| <input type="checkbox"/> Equipment failure             | <input type="checkbox"/> Other (specify):              |
| <input type="checkbox"/> Environmental restrictions    | <input type="text"/>                                   |

**10 If your establishment has been operating above its full production capacity, what were the reasons?**

Check all that apply.

- |  |   |
|--|---|
| <input type="checkbox"/> Exchange rate impact                      | <input type="checkbox"/> Weather                        |
| <input type="checkbox"/> Commodity prices                          | <input type="checkbox"/> Plant expansion or contraction |
| <input type="checkbox"/> New contract                              | <input type="checkbox"/> Technology changes             |
| <input type="checkbox"/> Acquisition of business or business units | <input type="checkbox"/> Process changes                |
| <input type="checkbox"/> Merge of business or business units       | <input type="checkbox"/> Other (specify):               |
| <input type="checkbox"/> Increased market demand                   | <input type="text"/>                                    |

**11 Were there any changes in the production capacity of your establishment during the reporting period?**

- Increase
- Decrease
- No change

Statistique Québec thanks you for participating in this survey.