

**Preliminary Survey - Commodity Schedule
for Metals and their By-products
2020 - 2021**

Please correct name and address if necessary.

This information is required under the Québec *Mining Act*. The Minister of Energy and Natural Resources has delegated the responsibility of managing the mining statistics program to the Institut de la statistique du Québec. The Institut has entered into an agreement in order to send information on this program to:

- (a) Minister of Energy and Natural Resources;
- (b) Natural Resources Canada;
- (c) Statistics Canada.

Instructions
<p>* Please complete and return this form to the following address: Institut de la statistique du Québec 200, chemin Sainte-Foy, 2^e étage Québec (Québec) G1R 5T4 Phone toll free: 1-800-561-0213 Fax toll free: 1-866-802-6282</p> <p>* Keep a copy for your records. * Please return the form before October 31, 2020</p>

A	Did this establishment operate in the calendar year under review (1=yes, 2=no)? If no, sign and return. <input type="checkbox"/>
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Municipality:

B TOTAL NUMBER OF EMPLOYEES, WAGES AND HOURS Estimate the number of wage-earning employees (administration, extraction and treatment), paid on a monthly, weekly, hourly or piece-work basis, and the wages and hours paid in 2020	Average Number of Employees	Salaries and Wages Paid	Total Hours Paid <small>(Including hours not worked)</small>	Average salary

C	This form covers the twelve (12) months of the current year; if not, please specify:
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COMMENTS
The responses provided on this form are compared with those on prior forms. Please explain any major change that occurred in your activities since your last report.

D I declare that the information in this report is accurate and complete to the best of my knowledge.	
Name of person responsible for this report	Date of report
Official position	E-mail address (please print)
Address (if different from mailing address)	Telephone number
	Fax number

Preliminary Survey - IRON ORE

Estimates for 2020	Natural Weight (metric tonnes)	Dry Weight (metric tonnes)	Value (f. o. b.) (\$)
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CRUDE ORE:

20.1 Extracted during the year			XXXXX
20.2 Shipped and sold during the year *			
20.3 Milled or treated during the year			XXXXX

CONCENTRATES AND/OR BENEFICIATED ORE:

20.4 Produced during the year			XXXXX
20.5 Shipped and sold during the year *			
20.6 Shipped to own pellet plant			XXXXX

AGGLOMERATES (PELLETS, SINTER, ETC.):

20.7 Produced from concentrates			XXXXX
20.8 Shipped and sold during the year *			

* Declare the quantities shipped even if they have not yet been paid.

Forecast for 2021	Natural Weight (metric tonnes)	Dry Weight (metric tonnes)	Value (f. o. b.) (\$)
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CONCENTRATES AND/OR BENEFICIATED ORE:

20.9 Forecasted production for 2021			XXXXX
20.10 Forecasted sales and shipments for 2021			
20.11 Forecasted shipments to your pellet plant			XXXXX

AGGLOMERATES (PELLETS, SINTER, ETC.):

20.12 Forecasted production for 2021			XXXXX
20.13 Forecasted sales and shipments for 2021			

Preliminary Survey - Niobium

PRODUCTION AND SHIPMENTS

Estimates for 2020	QUANTITY (metric tonnes)	Nb₂O₅ CONTENT (kilograms)	VALUE (f. o. b.) (\$)
40.1 Ore extracted during the year		xxxxx	xxxxx
40.2 Ore treated during the year		xxxxx	xxxxx

CONCENTRATING MILL

40.3 Niobium concentrate produced in 2020			xxxxx
40.4 Niobium concentrate shipped to clients			
40.5 Niobium concentrate shipped to your ferroniobium plant			xxxxx

FERRONIOBIUM PLANT

40.6 Niobium concentrate treated at your plant			xxxxx
		Nb CONTENT (kilograms)	
40.7 Ferroniobium produced in 2020			
40.8 Ferroniobium shipped to clients			

Forecast for 2021	QUANTITY (metric tonnes)	Nb₂O₅ CONTENT (kilograms)	VALUE (f. o. b.) (\$)
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CONCENTRATING MILL

40.9 Forecasted niobium concentrate for 2021			xxxxx
40.10 Forecasted sales and shipments of niobium concentrate for 2021			

FERRONIOBIUM PLANT

		Nb CONTENT (kilograms)	
40.11 Forecasted production of ferroniobium plant for 2021			xxxxx
40.12 Forecasted sales and shipments of ferroniobium plant for 2021			

Preliminary Survey - Titanium Dioxide

Ore from Havre-Saint-Pierre mine

Estimates for 2020		
	Quantity (metric tonnes)	Shipment value (\$)
50.1 Ore extracted during the year		xxxxx
50.2 Ore and Sorel Flux shipped from Havre Saint-Pierre (EXCLUDE quantities shipped to Sorel)		

Forecast for 2021		
	Quantity (metric tonnes)	Shipment value (\$)
50.1.1 Ore extracted during the year		xxxxx
50.1.2 Ore and Sorel Flux shipped from Havre Saint-Pierre (EXCLUDE quantities shipped to Sorel)		

Mill products

Estimates for 2020									
	Production			Shipments					
	Total (metric tonnes)	From ore exclusively from the province of Québec		Total			From ore exclusively from the province of Québec		
		%	For ISQ use only (m.t.)	Metric tonnes	Value of shipments (CANS)	For ISQ use only \$/ m.t.	%	For ISQ use only (m.t.)	For ISQ use only Value (CANS)
50.4 Iron remelt									
50.19 Metal powders									
50.5 Steel billets									
50.6 Residue and iron fines									
50.10 Steel									
50.7 Titanium slag									
50.8 Titanium dioxide content in %									
50.20 Titanium dioxide content of slag									

Forecast for 2021									
	Production			Shipments					
	Total (metric tonnes)	From ore exclusively from the province of Québec		Total			From ore exclusively from the province of Québec		
		%	For ISQ use only (m.t.)	Metric tonnes	Value of shipments (CANS)	For ISQ use only (\$ / m.t.)	%	For ISQ use only (m.t.)	For ISQ use only Value (CANS)
50.13 Iron remelt									
50.21 Metal powders									
50.14 Steel billets									
50.15 Residue and iron fines									
50.18 Steel									
50.16 Titanium slag									
50.17 Titanium dioxide content in %									
50.22 Titanium dioxide content of slag									

Doré bars - Precipitates - Gold concentrates - Silver concentrates

PRODUCTION, INVENTORY AND SHIPPING

Estimates for 2020

Product	Doré bars		Gold and silver precipitates		Gold concentrates		Silver concentrates	
Unit of weight	(grams)		(metric tonnes)		(metric tonnes)		(metric tonnes)	
60.1 Opening inventory								
60.2 Production								
60.3 Total shipments *								
60.4 Closing inventory								
* Gross metal content	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)
60.5 Gold (g)								
60.6 Silver (g)								
60.7 Copper (kg)								
60.8 Zinc (kg)								

Forecast for 2021

Product	Doré bars		Gold and silver precipitates		Gold concentrates		Silver concentrates	
Unit of weight	(grams)		(metric tonnes)		(metric tonnes)		(metric tonnes)	
60.9 Opening inventory								
60.10 Production								
60.11 Total shipments *								
60.12 Closing inventory								
* Gross metal content	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)
60.13 Gold (g)								
60.14 Silver (g)								
60.15 Copper (kg)								
60.16 Zinc (kg)								

Concentrates - Copper - Zinc - Nickel - Lead

PRODUCTION, INVENTORY AND SHIPPING

Estimates for 2020

Product Unit of weight	Copper concentrates (metric tonnes)		Zinc concentrates (metric tonnes)		Nickel concentrates (metric tonnes)		Lead concentrates (metric tonnes)	
	70.1 Opening inventory							
70.2 Production								
70.3 Total shipments *								
70.4 Closing inventory								
* Gross metal content	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)
70.5 Gold (g)								
70.6 Silver (g)								
70.7 Copper (kg)								
70.8 Zinc (kg)								
70.9 Cobalt (kg)								
70.10 Nickel (kg)								
70.11 Lead (kg)								
70.23 Palladium (g)								
70.24 Platinum (g)								
70.25 Rhodium (g)								
70.29 Iridium (g)								
70.30 Ruthenium (g)								

Forecast for 2021

Product Unit of weight	Copper concentrates (metric tonnes)		Zinc concentrates (metric tonnes)		Nickel concentrates (metric tonnes)		Lead concentrates (metric tonnes)	
	70.12 Opening inventory							
70.13 Production								
70.14 Total shipments *								
70.15 Closing inventory								
* Gross metal content	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)
70.16 Gold (g)								
70.17 Silver (g)								
70.18 Copper (kg)								
70.19 Zinc (kg)								
70.20 Cobalt (kg)								
70.21 Nickel (kg)								
70.22 Lead (kg)								
70.26 Palladium (g)								
70.27 Platinum (g)								
70.28 Rhodium (g)								
70.31 Iridium (g)								
70.32 Ruthenium (g)								

No Dossier:

Sulfuric acid - Cadmium - Selenium - Tellurium

OPERATIONS

80.1 Period of operation

from

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day/month/year

to

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day/month/year

Estimates for 2020

Product	SULFURIC ACID		CADMIUM	
Unit of weight	(metric tonnes)		(kilograms)	
80.2 Production				
80.3 Portion attributed to Québec in % or by weight				
	Quantity	Value (\$)	Quantity	Value (\$)
80.4 Total shipments				

Product	SELENIUM		TELLURIUM	
Unit of weight	(kilograms)		(kilograms)	
80.5 Production				
80.6 Portion attributed to Québec in % or by weight				
	Quantity	Value (\$)	Quantity	Value (\$)
80.7 Total shipments				

Forecast for 2021

Product	SULFURIC ACID		CADMIUM	
Unit of weight	(metric tonnes)		(kilograms)	
80.8 Production				
80.9 Portion attributed to Québec in % or by weight				
	Quantity	Value (\$)	Quantity	Value (\$)
80.10 Total shipments				

Product	SELENIUM		TELLURIUM	
Unit of weight	(kilograms)		(kilograms)	
80.11 Production				
80.12 Portion attributed to Québec in % or by weight				
	Quantity	Value (\$)	Quantity	Value (\$)
80.13 Total shipments				

No Dossier:

005S2006.xls

Preliminary Survey - Lithium

PRODUCTION, INVENTORIES AND SHIPMENTS

Estimates for 2020

	Quantity (metric tonnes)
190.1 Ore extracted during the year	
190.2 Ore processed during the year	

	Spodumene concentrates		Lithium carbonate		Lithium hydroxide		Lithium sulfate	
	Lithium content ¹ :	%	Lithium content ¹ :	%	Lithium content ¹ :	%	Lithium content ¹ :	%
	Quantity (metric tonnes)	Value (Canadian \$)	Quantity (metric tonnes)	Value (Canadian \$)	Quantity (metric tonnes)	Value (Canadian \$)	Quantity (metric tonnes)	Value (Canadian \$)
190.3								
190.4 Opening inventory (on January 1)								
190.5 Production								
190.6 Total shipments								
190.7 Closing inventory (on December 31)								

1. Lithium content in quantity shipped.

Forecast for 2021

	Spodumene concentrates		Lithium carbonate		Lithium hydroxide		Lithium sulfate	
	Lithium content ¹ :	%	Lithium content ¹ :	%	Lithium content ¹ :	%	Lithium content ¹ :	%
	Quantity (metric tonnes)	Value (Canadian \$)	Quantity (metric tonnes)	Value (Canadian \$)	Quantity (metric tonnes)	Value (Canadian \$)	Quantity (metric tonnes)	Value (Canadian \$)
190.8								
190.9 Production								
190.10 Total shipments								

1. Lithium content in quantity shipped.