

How to complete the Queensland mining statistical survey

Introduction

This guide has been prepared to assist you in completing the statistical details of the Queensland Mining Annual Statistical Survey.

All mining operations are required to submit a completed annual statistical survey in relation to the resources mined and sold.

The collection of this information is sought under section 404C of the Mineral Resources Act 1989.

The importance of statistics

The accuracy and completeness of the statistical survey is important. It is used by Local, State and Federal governments as well as industry groups to assist in policy planning and infrastructure development. Aggregated data is also used by researchers and analysts undertaking work on the Queensland economy.

Due date – 30 September 2020

The due date for producing and non-producing mining survey forms is **30th September 2020**.

Non-producing tenures

If there has been no production, excavation or sales from stockpile on any of your tenure(s) during reporting period 1 July 2019 to 30 June 2020, then:

1. complete the **Principal holder information** details;
2. tick the **NO** box (**Section one**); and
3. **sign and date the Declaration** on the bottom of page two (**Section three**) and return to the department by post or email (preferred).

Please note that submission of the requested data is a legislative requirement under section 404C of the *Mineral Resources Act 1989*. Non-submission by the due date may result in compliance action.

Producing tenures

If there has been production, excavation or sales from stockpile on any of your tenure(s) during the reporting period 1 July 2019 to 30 June 2020, you are required to complete the entire form and return it to the department.

Assistance in completing the statistical survey

For assistance in completing this survey, please contact Coal and Mineral Statistics on (07) 3199 7915 or **Email** CoalandMineralStats@dnrme.qld.gov.au .

Section two – production and sales details

Production details

These columns detail information on the type and quantity of resource mined or extracted by each lease belonging to the mining operation.

Tenure No

List each ML/MDL (lease) that has produced during the reporting period 1 July 2019 to 30 June 2020.

Mine name (or permit name)

Please provide the mine name or permit name of each producing lease.

Mineral type produced

Insert the mineral type referring to the reference tables attached to this guide.

Quantity produced and unit

Insert the total quantities produced and the unit (eg tonne, gram, kilo, AU\$, Troy Oz) for the reporting period.

Gem and ornamental stone operators need only provide the dollar value for production (refer **Figure 1** on Page 4 for example). Actual sales and transfer details are still required to be reported (refer **Figure 2** on page 4 for example).

Notes:

- Include quantities treated by other business or persons on a commission on behalf of the operation.
- Exclude minerals treated by the operation on a commission on behalf of another business.

Contained metals in metallic mineral production

Contained metal

Contained metal is the quantity of metal found within the concentrate/bullion produced from the mineralised ore as recorded in the column **Mineral Type Produced**.

Contained metal **IS NOT** the amount of payable metal derived following further treatment of the mineral product, for example:

A copper producer has production of 5,000 tonnes of copper concentrate. Based on assays undertaken at the mine, it is determined that the contained copper metal is 28 per cent (1,400 tonnes).

The producer sells the copper concentrate and is paid for 27 per cent metal.

The remaining one per cent is a refiner's cut and still needs to be included.

Therefore the figure to be included in the quantity and unit column is 1,400 tonnes of copper metal, that is, 5,000 tonnes at 28 per cent.

Refer to **Figure 1** on Page 4 for an example of how to complete the minerals and metals production details.

Sales and transfer details – domestic and international

Calculating your value of sales

To calculate your value of sales, values should be determined at point of sale such as the mine, free-on-board (FOB), free-on-rail; or at the buyers' premises or other, depending on the type of mineral.

All goods exported overseas should be valued FOB at the port of shipment.

If the actual sales value, which is subject to agreement on weights, assays, prices etc is not available, then include estimates of the final value of sales for which contractual delivery conditions have been satisfied.

Exclude realisations of sales values, which while finalised during the reporting period, occurred in the previous reporting period.

You should exclude the following when calculating your sales value:

- subsidy or bounty payment;
- freight, cartage and handling fees charged to customers; and
- GST

Mineral type

Insert specifically the mineral type sold **corresponding with the Minerals Type Produced** by the lease.

Quantity sold and unit

This figure is the total sum (of the specific mineral type produced by all leases) that has been sold during the reporting period (including sales from stockpile).

Value of sale

List the value of the sale in Australian dollars.

Outward freight and cartage

Outward freight and cartage is the cost incurred in transporting minerals sold by the operation or a closely located treatment works point of sale.

Outward freight and cartage information should:

- **include** payments to owner-drivers for delivery;
- **include** the cost of delivery by own employees (including wages and salaries or employees concerned and the running expenses of vehicles and other transport equipment);
- **include** loading costs, port charges for stockpiling away from the mine, e.g. incurred by the mining operation, if minerals are sold FOB;
- **exclude** sea and air freight on goods exported from Australia.

Destination

For international sales, it is only necessary to report the final country of destination for the product, not the company that purchased it or the port at which it was offloaded.

For domestic sales, report the sale as Australia.

Refer to **Figure 2** on Page 4 for an example of how to complete the **Sales and transfer details** (domestic and international).

Note:

- When calculating transfer details include minerals and other goods won and/or treated by these operations which have been transferred out for further treatment, processing or resale by other branches of your business.
- Exclude minerals and other goods which were purchased and transferred out without treatment or processing in this mining operation.
- Include transfer values which should represent the estimated commercial selling value of minerals. If such estimates are not available, show the value at cost of mining plus an allowance for business overhead profit.

Section three – declaration

The person completing the Queensland mining statistical survey is required to sign, date and return the completed survey form by **30 September 2020** to:

Department of Natural Resources, Mines and Energy
Georesources
Coal and Mineral Statistics
PO Box 15216
City East Qld 4002

Email: CoalandMineralStats@dnrme.qld.gov.au

An electronic survey form can be downloaded from <https://www.business.qld.gov.au/industries/mining-energy-water/resources/minerals-coal/reports-notices/returns>.

Please retain a copy of your completed survey for your records.

Figure 1

Production details

List all tenures that have produced (or sold from stockpile) during the reporting period 1 July 2017 to 30 June 2018 (please refer to the Explanatory Notes for instructions).
If insufficient space, a supplementary schedule should be attached.

Tenure No	Mine Name	Mineral Type Produced	Quantity Produced	Unit	Contained metals in metallic mineral production					
					Contained Metal	Quantity	Unit	Contained Metal	Quantity	Unit
ML 00034	Bazinga Blue	Sapphire	\$1,420,533	AU \$						
ML 00082	Paradiso Eureka	Copper Concentrate	5,000	Tonne	Copper	1,400	Tonne	Gold	599,986	Gram
ML 00021	Kittydelight	Gold Bullion	250	Kilogram	Gold	180	Kilogram	Silver	70	Kilogram

Figure 2

Sales and transfer details – domestic and international

Mineral Type	Quantity Sold	Unit	Value of Sale (AU \$)	Outward Freight Cartage (AU \$)	Destination Country (Australia if Domestic)
Sapphire	\$1,420,533		\$1,420,533	\$2,485	Thailand
Copper Concentrate	1,243	Tonne	\$8,160,241	\$502,744	China
Copper Concentrate	2,206	Tonne	\$15,469,909	\$117,371	Indonesia
Gold Bullion	250	Gram	\$13,876,928.30	\$53,000	Australia

Table 1 – Other non-metallic minerals

Mineral type	Unit	Mineral type	Unit
CLAYS		MAGNESIUM-RICH MATERIALS	
• Bentonite	tonnes	• Dolomite	tonnes
• Palygorskite	tonnes	• Magnesite	tonnes
• Kaolin	tonnes	• Other and/or unspecified	tonnes
• Structural clays	tonnes		
CORUNDUM	tonnes	MICA	
DIATOMITE	tonnes	• Sheet mica	tonnes
• Filtration grade	tonnes	• Flake or scrap mica	tonnes
• Absorbents	tonnes		
• Fillers	tonnes	OIL SHALE	tonnes
• Other and/or unspecified	tonnes		
DIMENSION STONE		PEAT	
• Basalt	tonnes	• Horticultural	tonnes
• Dolerite and gabbro	tonnes	• Other and/or unspecified	tonnes
• Granite	tonnes		
• Limestone	tonnes	PERLITE	
• Marble	tonnes	• Horticultural	tonnes
• Quartzite	tonnes	• Building industry	tonnes
• Sandstone	tonnes	• Other and/or unspecified	tonnes
• Slate (includes 'flagstone')	tonnes		
• Siltstone	tonnes	PHOSPHATE RICH MATERIALS	
• Other and/or unspecified	tonnes	• Apatite	tonnes
FELDSPAR		• Phosphate rock	tonnes
• Sodium feldspar	tonnes	• Chemical fertilisers	tonnes
• Potassium feldspar	tonnes	• Direct applications	tonnes
FLUORITE	tonnes	• Other and/or unspecified	tonnes
GEMSTONES (<i>value of sales only required</i>)		SALT	
• aquamarine	\$	• chemicals	tonnes
• garnet	\$	• food industry	tonnes
• emerald	\$	• other and/or unspecified	tonnes
• opal	\$		
• ruby	\$	SILICA (<i>quartz, chert</i>)	
• beryl	\$	• Lump	tonnes
• diamond	\$	• Sand (excludes construction sand)	tonnes
• sapphire	\$	• Silica fume/fly ash	tonnes
• topaz	\$		
• zircon	\$	SULPHUR (<i>includes primary and by-product recovered at refineries</i>)	
• calcite	\$	• Sulphuric acid, recovered by-product	tonnes
• agate	\$	• Other and/or unspecified	tonnes
• chrysoprase	\$		
• thunder eggs	\$	TALC	
• jasper	\$	• Ceramics	tonnes
• Thunder Egg	\$	• Cosmetics	tonnes
• other and/or unspecified	\$	• Paper	tonnes
		• Other and/or unspecified	tonnes
GRAPHITE	tonnes	WOLLASTONITE	tonnes
GYPSUM		ZEOLITE	
• Plaster	tonnes	• Agricultural/horticultural	tonnes
• Cement	tonnes	• Other and/or unspecified	tonnes
• Agricultural	tonnes	ZIRCON	
• Other and/or unspecified	tonnes	• Ceramics	tonnes
LIMESTONE AND EARTHY LIME (<i>excludes limestone aggregate and construction sand – see construction materials</i>)		• Refractories	tonnes
• Cement	tonnes	• Foundry moulds	tonnes
• Lime (earthy lime & limesand)	tonnes	• Other and/or unspecified	tonnes
• Metallurgical flux	tonnes	OTHER NON-METALLIC MINERALS	(specify type and unit)
• Agricultural	tonnes		
• Industrial fillers	tonnes		
• Soda ash	tonnes		
• Other and/or unspecified	tonnes		

Table 2 – Metallic minerals

Mineral type	Unit
ANTIMONY	
• Concentrate	tonnes
• Ore	tonnes
BAUXITE	
• Metallurgical	tonnes
• Refractory	tonnes
• Abrasive	tonnes
• Other and/or unspecified	tonnes
BISMUTH CONCENTRATE	tonnes
COBALT	tonnes
COPPER	
• Concentrate	tonnes
• Ore	tonnes
• Sulphate	tonnes
CHROMITE	tonnes
GALLIUM	tonnes
GOLD	
• Alluvial	gram/kilo/troyoz
• Bullion (dore)	gram/kilo/troyoz
• Ore	tonnes
• Other	(specify type and unit)
GOLD CONCENTRATE	tonnes
INDIUM	tonnes
IRON OXIDES	
• Magnetite	tonnes
• Ironstone	tonnes
LEAD	
• Concentrate	tonnes
• Carbonate ore	tonnes
• Sulphide ore	tonnes
LITHIUM	tonnes
MANGANESE ORE	
• Metallurgical grade	tonnes
• Battery grade	tonnes
• Chemicals	tonnes
• Other and/or unspecified	tonnes
MOLYBDENUM CONCENTRATE	tonnes
NICKEL	
• Concentrate	tonnes
• Ore	tonnes
RARE EARTH MINERALS	
• Placer (comprises strand and dune deposits)	
• Hard-rock	
SILVER-LEAD-ZINC ORE	tonnes
SILVER	
• Concentrate	tonnes
• Sulphide ore	tonnes
TANTALUM	tonnes
TITANIUM MINERALS	
• Ilmenite	
• Leucoxene	tonnes
• Titanomagnetite	tonnes
• Rutile	
TIN CONCENTRATE	tonnes
THORIUM	tonnes
TUNGSTEN	
• Wolfram concentrate	tonnes
• Scheelite concentrate	tonnes

URANIUM	Tonnes
VANADIUM	tonnes
ZINC	
• Concentrate	tonnes
• Ore	tonnes
ZINC-LEAD CONCENTRATE	tonnes
OTHER METALLIC MINERALS	specify type and unit

Table 3 – Construction/extractive materials

Mineral type	Unit
CONSTRUCTION SAND	
• Pre-mixed concrete	tonnes
• Ready-mixed concrete	tonnes
• Concrete products	tonnes
• Asphalt sand	tonnes
• Mortar sand	tonnes
• Plaster sand	tonnes
• Filling/packing sand	tonnes
• Other and/or unspecified	tonnes
DECORATIVE AGGREGATE	
• Crushed rock	tonnes
• River gravel (naturally rounded)	tonnes
GRAVEL – RIVER	
• Crushed and screened	tonnes
• Unprocessed	tonnes
GRAVEL – OTHER	
• Gravel – other	tonnes
PREPARED ROAD BASE AND SUB-BASE	tonnes
ROCK – BROKEN	tonnes
ROCK – COARSE AGGREGATE > 5MM	
• Concrete aggregate	tonnes
• Sealing aggregate	tonnes
• Asphalt	tonnes
• Railway ballast	tonnes
• Crusher fines / quarry sand (by-product)	tonnes
• Other and/or unspecified	tonnes
ROCK – FINE AGGREGATE <5MM (MANUFACTURED SAND)	tonnes
SOIL, LOAM & GARDEN SAND	tonnes
UNPROCESSED CONSTRUCTION MATERIALS	tonnes

Enquiries and assistance - contact

Department of Natural Resources, Mines and Energy
Georesources

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