

DIVISION B : MINING

This Division includes all establishments mainly engaged in 'mining', in mineral exploration on own account, in the provision of a wide variety of services to mining and mineral exploration on a contract or fee basis, as well as mining establishments under development. The term 'mining' is used here in the broad sense to include the extraction of minerals occurring naturally as solids such as coal and ores, liquids such as crude petroleum, or gases such as natural gas by such processes as underground or open-cut mining, dredging, quarrying, the operation of wells or evaporation pans, or by recovery from ore dumps or tailings.

2 Establishments mainly engaged in dressing or beneficiating ores or other minerals by crushing, milling, screening, washing, flotation or other, including chemical beneficiation, processes, or mainly engaged in briquetting or iron ore pelletising are included in this Division. These activities are generally carried out at or near mine sites as an integral part of mining operations and are therefore regarded as primary to this Division. Natural gas absorption, purifying and similar treatment plants are also included in this Division.

3 Excluded from this Division are establishments mainly engaged in refining or smelting of minerals or ores (other than preliminary smelting of gold), or in the manufacture of such products of mineral origin as coke, cement or fertilisers.

4 Establishments which are mainly engaged in undertaking mineral exploration on own account, ie establishments classifiable to the classes in Group 161, cannot be classified, as is usual in the case of other establishments, on the basis of their gross receipts. Instead their classification will be determined, where possible, on the basis of their gross expenditures.

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING

SUBDIVISION 11 : METALLIC MINERALS

Group	Class	Title and Description
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111 FERROUS METAL ORES

1111 IRON ORES

This class consists of establishments mainly engaged in mining iron ores including limonite, magnetite or other iron oxides, or in dressing or beneficiating (except pelletising or agglomerating) such ores.

EXCLUSIONS/REFERENCES: Establishments mainly engaged in iron ore pelletising or agglomerating are included in Class 1112.

Primary Activities

Haematite mining	Iron ores mining
Iron ores beneficiating or dressing (except pelletising or agglomerating)	Iron oxides mining
	Limonite mining
	Magnetite mining

1112 IRON ORE PELLETTISING

This class consists of establishments mainly engaged in pelletising or agglomerating iron ores.

EXCLUSIONS/REFERENCES: Establishments mainly engaged in dressing or beneficiating iron ores (except iron ore pelletising or agglomerating) are included in Class 1111.

Primary Activities

Iron ore agglomerating	Iron ore pelletising
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112 NON-FERROUS METAL ORES

1121 BAUXITE

This class consists of establishments mainly engaged in mining bauxite or other aluminium ores, or in dressing or beneficiating such ores.

EXCLUSIONS/REFERENCES: Establishments mainly engaged in the production of alumina are included in Class 2953.

Primary Activities

Aluminium ores mining	Bauxite calcination
Bauxite mining	

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd

SUBDIVISION 11 : METALLIC MINERALS - contd

Group	Class	Title and Description
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112		<u>NON-FERROUS METAL ORES</u> - contd
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	1125	NICKEL ORES
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This class consists of establishments mainly engaged in mining nickel ores, or in dressing or beneficiating such ores.

Primary Activities

Nickel ores beneficiating or dressing	Nickel ores mining
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	1126	SILVER-LEAD-ZINC ORES
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This class consists of establishments mainly engaged in mining silver, lead or zinc ores, or in dressing or beneficiating such ores.

Primary Activities

Argentite mining	Silver ores
Galena mining	beneficiating
Lead ores	or dressing
beneficiating	Silver ores mining
or dressing	Sphalerite mining
Lead ores mining	Zinc blende mining
Silver-lead-zinc	Zinc ores
ores beneficiating	beneficiating
or dressing	or dressing
Silver-lead-zinc	Zinc ores mining
ores mining	

	1127	TIN ORES
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This class consists of establishments mainly engaged in mining tin ores, or in dressing or beneficiating such ores.

Primary Activities

Alluvial tin mining	Tin ores dredging
Cassiterite mining	Tin ores mining
Stannite mining	Tin pyrites mining
Tin ores beneficiating	
or dressing	

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd

SUBDIVISION 11 : METALLIC MINERALS - contd

Group	Class	Title and Description
112		<u>NON-FERROUS METAL ORES</u> - contd
	1128	URANIUM ORES This class consists of establishments mainly engaged in mining uranium ores, or in dressing or beneficiating such ores. Primary Activities Uranium ores beneficiating or dressing Uranium ores mining Uranium oxides mining
	1129	NON-FERROUS METAL ORES N.E.C. This class consists of establishments mainly engaged in mining metallic mineral ores n.e.c., or in dressing or beneficiating such ores. Primary Activities Antimony ores mining Beryllium ores mining Bismuth ores mining Chromium ores mining Cinnabar mining Cobalt ores mining Iridium ores mining Iron pyrites mining Manganese ores mining Mercury ores mining Metallic ores mining n.e.c. Molybdenite mining Osmiridium mining Osmium ores mining Platinum ores mining Pyritic ores mining n.e.c. Pyrolusite mining Quicksilver ores mining Scheelite mining Tantalite-columbite ores mining Tantalite mining Tantalum ores mining Tungsten ores mining Wolfram mining

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd

SUBDIVISION 12 : COAL

Group	Class	Title and Description
120	<u>COAL</u>	
	1201	BLACK COAL
		This class consists of establishments mainly engaged in mining bituminous or sub-bituminous coal or in grading, washing or crushing black coal.
		Primary Activities
		Anthracite mining Coal, black,
		Black coal mining grading, washing
		Coal, bituminous or or crushing
		sub-bituminous, mining
	1202	BROWN COAL
		This class consists of establishments mainly engaged in mining or in briquetting brown coal.
		Primary Activities
		Brown coal briquetting Lignite mining
		Brown coal mining

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd

SUBDIVISION 13 : OIL AND GAS

Group	Class	Title and Description
130		<u>OIL AND GAS</u>
	1300	OIL AND GAS
		This class consists of establishments mainly engaged in mining crude oil, natural gas or condensate, or in treating these products to produce stabilised crude oil, purified natural gas or liquefied hydrocarbon gases. Pipeline transportation of crude oil, natural gas or other petroleum products to storage depots or purification plants, undertaken as an integral part of mining operations by establishments mainly engaged in mining crude petroleum (including natural gas), is included in this class.
		EXCLUSIONS/REFERENCES : Establishments mainly engaged: (a) in processing natural gas or liquid hydrocarbons for the manufacture of chemicals or fertilisers are included in the appropriate classes of Group 275; and (b) in operating pipelines for the transport of oil, gas, water or other materials on a contract or fee basis are included in Class 5500.
		<u>Note</u> : The recovery of liquefied hydrocarbons in conjunction with petroleum refining is primary to Class 2770
		Primary Activities
		Absorption plant, natural gas, operation
		Butane, natural, production (except in conjunction with petroleum refining)
		Ethane, natural, production (except in conjunction with petroleum refining)
		Gas, natural, mining
		Hydrocarbons, liquefied, natural, production (except in conjunction with petroleum refining)
		L.N.G. production
		L.P.G., natural, production (except in conjunction with petroleum refining)
		Liquefied petroleum gas, natural, production (except in conjunction with petroleum refining)
		Natural gas mining
		Natural gas, purified, production
		Oil, crude, mining
		Oil, crude, stabilising
		Oil sands mining
		Oil shale mining
		Petroleum, crude, mining
		Propane, natural, production (except in conjunction with petroleum refining)
		Purifying plant, natural gas, operation
		Separation plant, natural gas, operation

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd

SUBDIVISION 14 : CONSTRUCTION MATERIALS

Group	Class	Title and Description
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140		<u>CONSTRUCTION MATERIALS</u>
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	1401	SAND AND GRAVEL
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This class consists of establishments mainly engaged in quarrying sand (except silica for industrial purposes) or gravel, or in washing or screening of sand or gravel.

EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in quarrying, crushing or screening crushed or broken stone are included in Class 1404; and (b) in quarrying silica for industrial purposes are included in Class 1505.

Note: The quarrying of earth, soil or filling or of other construction materials, if carried out as an integral part of construction operations (ie involving the same employees and plant in both quarrying and construction operations) is primary to the appropriate classes in Division E Construction.

Primary Activities

Gravel quarrying, washing or screening (except as an integral part of construction activities)	Sand quarrying, washing or screening (except silica for industrial purposes; or as an integral part of construction activities)
River sand or gravel quarrying, washing or screening (except as an integral part of construction activities)	

1404		CONSTRUCTION MATERIALS N.E.C.
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This class consists of establishments mainly engaged in quarrying, crushing or screening crushed or broken stone (including limestone for construction purposes) or in quarrying dimension stone, or construction materials n.e.c., or in producing stone products from stone quarried at the same establishment.

EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in quarrying river gravel are included in Class 1401; and (b) in quarrying limestone for agricultural or industrial use are included in Class 1501.

Note: The quarrying of earth, soil or filling or of other construction materials, if carried out as an integral part of construction operations (ie involving the same employees and plant in both quarrying and construction operations), is primary to the appropriate classes in Division E Construction.

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd

SUBDIVISION 14 : CONSTRUCTION MATERIALS - contd

Group	Class	Title and Description
140		<u>CONSTRUCTION MATERIALS</u> - contd
	1404	CONSTRUCTION MATERIALS N.E.C. - contd
		Primary Activities
		Aggregate quarrying (except as an integral part of construction activities)
		Base course materials quarrying (except as an integral part of construction activities)
		Blue metal stone quarrying (except as an integral part of construction activities)
		Building stone quarrying
		Construction materials crushing or screening (except as an integral part of construction activities) n.e.c.
		Construction materials quarrying (except as an integral part of construction activities) n.e.c.
		Crushed or broken dolomite, quartz or limestone quarrying (for construction purposes; except as an integral part of construction activities)
		Crushed or broken stone quarrying (except as an integral part of construction activities)
		Dimension stone quarrying
		Earth, soil or filling quarrying (except as an integral part of construction activities)
		Granite quarrying (except as an integral part of construction activities)
		Marble quarrying
		Road sub-base or fill quarrying (except as an integral part of construction activities)
		Sandstone quarrying (except as an integral part of construction activities)
		Slate quarrying
		Stone cutting, dressing, polishing or shaping (using stone quarried at the same establishment)
		Stone products mfg (from stone quarried at the same establishment)
		Stone quarrying (except as an integral part of construction activities) n.e.c.

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DIVISION B : MINING - contd

SUBDIVISION 15 : OTHER NON-METALLIC MINERALS - contd

Group	Class	Title and Description
150		<u>OTHER NON-METALLIC MINERALS</u> - contd
	1504	SALT - contd
		EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in manufacturing cooking or table salt are included in Class 2176; and (b) in salt refining (except for cooking or table use) are included in Class 2755.
		Primary Activities
		Salt crushing Salt mining Salt evaporating Salt screening Salt harvesting Salt washing
	1505	NON-METALLIC MINERALS N.E.C.
		This class consists of establishments mainly engaged in mining or quarrying non-metallic minerals n.e.c., or in treating such minerals by crushing or screening.
		Primary Activities
		Alabaster mining Magnesite mining Alum mining Mica mining Alunite mining Mineral pigments Asbestos mining mining Barite mining Ochre mining Diamonds mining Opal mining Diatomite mining Peat moss cutting Dolomite mining Perlite mining n.e.c. Phosphate rock mining Emeralds mining Plumbago mining Felspar quarrying Pyrophyllite mining Flint quarrying Quartz quarrying Fluorspar mining n.e.c. Gemstones quarrying Silica mining or dredging (for industrial Glaucanite mining purposes) Graphite mining Sillimanite mining Green sand mining Steatite mining Gypsum mining Talc quarrying Kyanite mining Vermiculite mining Lithium ore mining Zeolite mining

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd
 SUBDIVISION 16 : SERVICES TO MINING N.E.C.

Group	Class	Title and Description
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161		<u>MINERAL EXPLORATION (OWN ACCOUNT)</u>
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	1611	PETROLEUM EXPLORATION (OWN ACCOUNT)
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This class consists of establishments mainly engaged in exploring for crude petroleum (including natural gas) on their own account (ie not mainly on a fee or contract basis for other establishments).

EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in undertaking general exploration contracts for particular minerals (not merely contracts for specialised exploration services such as the conduct of seismic surveys) or in providing drilling or related services for purposes of mineral exploration and/or exploitation on a contract or fee basis are included in Class 1620; (b) in providing geological or geophysical surveying services, such as gravimetric or seismic surveys, on a contract or fee basis are included in Class 6335; and (c) in providing ore testing, assaying or similar laboratory type services on a contract or fee basis are included in Class 6336.

Primary Activities

Exploration for crude petroleum (incl. natural gas; own account)	Oil, crude, exploration (own account)
Gas, natural, exploration (own account)	Prospecting for crude petroleum (incl. natural gas; own account)

	1612	MINERAL EXPLORATION N.E.C. (OWN ACCOUNT)
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This class consists of establishments mainly engaged in exploring for minerals (except for crude petroleum or natural gas) on their own account (ie not mainly on a fee or contract basis for other establishments).

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd

SUBDIVISION 16 : SERVICES TO MINING N.E.C. - contd

Group	Class	Title and Description
161		<u>MINERAL EXPLORATION (OWN ACCOUNT)</u> - contd
	1612	MINERAL EXPLORATION N.E.C. (OWN ACCOUNT) - contd EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in undertaking general exploration contracts for particular minerals (not merely contracts for specialised exploration services such as the conduct of seismic surveys) or in providing drilling or related services for purposes of mineral exploration and/or exploitation on a contract or fee basis are included in Class 1620; (b) in providing geological or geophysical surveying services, such as gravimetric or seismic surveys, on a contract or fee basis are included in Class 6335; and (c) in providing ore testing, assaying or similar laboratory type services on a contract or fee basis are included in Class 6336. Primary Activities Exploration for minerals (except for crude petroleum or natural gas; own account) Prospecting for minerals (except for crude petroleum or natural gas; own account)
162		<u>MINING AND EXPLORATION SERVICES N.E.C.</u>
	1620	MINING AND EXPLORATION SERVICES N.E.C. This class consists of establishments mainly engaged in undertaking general exploration contracts for particular minerals (not merely contracts for specialised exploration services such as the conduct of seismic surveys) or in providing drilling or related services n.e.c. on a contract or fee basis for purposes of mineral exploration or exploitation. EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in providing geological or geophysical surveying services on a contract or fee basis are included in Class 6335; and (b) in providing ore testing, assaying or similar laboratory type services on a contract or fee basis are included in Class 6336.

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : MINING - contd

SUBDIVISION 16 : SERVICES TO MINING N.E.C. - contd

Group	Class	Title and Description
162		<u>MINING AND EXPLORATION SERVICES N.E.C.</u> - contd
	1620	MINING AND EXPLORATION SERVICES N.E.C. - contd
		Primary Activities
		Contract drilling service (for minerals)
		Drilling service (for minerals; contract or fee basis)
		Exploration for minerals (contract or fee basis; general contract)
		Mineral exploration service (contract or fee basis) n.e.c.
		Oil or gas field services (contract or fee basis) n.e.c.
		Prospecting for minerals (contract or fee basis; general contract)
		Services to mining (contract or fee basis) n.e.c.

