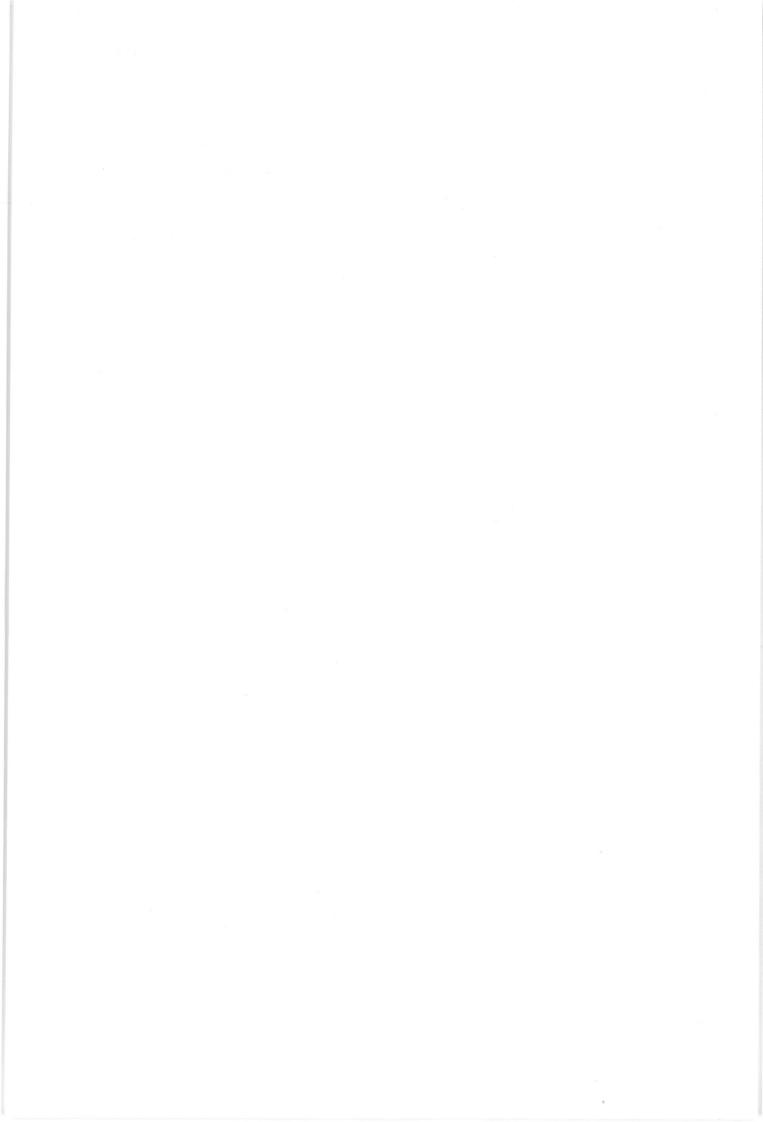
#### DIVISION B : MINING

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.



# DIVISION B : MINING

SUBDIVISION 11 : METALLIC MINERALS

Group Class

Title and Description

# 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	Iron oxides mining
or dressing (except	Limonite mining
pelletising or	Magnetite mining
agglomerating)	0

### 1112 IRON ORE PELLETISING

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

#### 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 mining Bauxite calcination

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

1122 COPPER ORES

This class consists of establishments mainly engaged in mining copper ores, copper-gold ores, or oxidised copper ores for fertilisers, or in dressing or beneficiating such ores.

Primary Activities

Chalcopyrite mining Copper-gold ores beneficiating or dressing Copper-gold ores mining Copper ores beneficiating or dressing Copper ores mining Cuprite mining

#### 1123 GOLD ORES

This class consists of establishments mainly engaged in mining gold ores, or in dressing, beneficiating or preliminary smelting of gold ores.

EXCLUSIONS/REFERENCES: Establishments mainly engaged in mining or beneficiating copper-gold ores are included in Class 1122.

#### Primary Activities

Alluvial gold mining	Gold ores dressing or			
Gold bullion	beneficiating			
production	Gold ores preliminary			
Gold dredging	smelting			
Gold mining	Gold washing or sluicing			

#### 1124 MINERAL SANDS

This class consists of establishments mainly engaged in mining mineral sands, or in dressing or beneficiating mineral sands.

#### Primary Activities

Ilmenite miningMineral sands miningLeucoxene miningMonazite miningMineral sandsRutile miningbeneficiating or<br/>dressingTitanium ores mining

# DIVISION B : MINING - contd

SUBDIVISION 11 : METALLIC MINERALS - contd

Group	Class	Title and Description

NON-FERROUS METAL ORES - contd

1125 NICKEL ORES

112

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

# 1126 SILVER-LEAD-ZINC ORES

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

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

# Primary Activities

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

Australian Standard Industrial Classification : Detailed Classification

DIVISION	В	:	MINING	-	contd

SUBDIVISION 11 : METALLIC MINERALS - contd

Group	Class	Title an	nd Description
-	-		1

# 112 NON-FERROUS METAL ORES - 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	Uranium ores mining
beneficiating	Uranium oxides mining
or dressing	_

### 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 Tantalite mining Tungsten ores mining Wolfram mining

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		OIL AND GAS	

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 pipeline transportation of crude oil, natural gas or other petroleum products are included in Class 5513. <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

DIVISION B : MINING - contd

SUBDIVISION 14 : CONSTRUCTION MATERIALS

Group Class

#### Title and Description

140

#### CONSTRUCTION MATERIALS

1401 SAND AND GRAVEL

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.

<u>Note</u>: 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	Sand quarrying, washing
or screening (except as	or screening (except
an integral part of	silica for industrial
construction activities)	purposes; or as an
River sand or gravel	integral part of
quarrying, washing or	construction activities)
screening (except as an	
integral part of	
construction activities)	

1404

CONSTRUCTION MATERIALS N.E.C.

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. <u>Note</u>: 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.

DIVISION	в:	MINING	_	contd
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SUBDIVISION

14 : CONSTRUCTION MATERIALS - contd

Group	Class	Title and Description
140		CONSTRUCTION MATERIALS - 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.

DIVISION B : MINING - contd

SUBDIVISION 15 : OTHER NON-METALLIC MINERALS

Group	Class	Title and Description

#### OTHER NON-METALLIC MINERALS

1501 LIMESTONE

150

This class consists of establishments mainly engaged in quarrying limestone for agricultural or industrial purposes.

EXCLUSIONS/REFERENCES: Establishments mainly engaged in quarrying limestone as a construction material (except as an integral part of construction activities) are included in Class 1402.

Primary Activities

Chalk quarrying

Limestone quarrying (except as a construction material)

# 1502 CLAYS

This class consists of establishments mainly engaged in quarrying clays.

### Primary Activities

Ball clay quarrying Bentonite quarrying Brick clay quarrying Brick shale quarrying Cement clay quarrying China clay quarrying Clay quarrying Fire clay quarrying Fullers earth quarrying Kaolin quarrying Marl quarrying Mica clay quarrying Pipe clay quarrying Pottery clay quarrying Shale quarrying (except oil shale) Stoneware clay quarrying Stoneware shale quarrying Tile clay quarrying White clay quarrying

#### 1504 SALT

This class consists of establishments mainly engaged in producing salt by evaporation of seawater or brines, mining salt from natural salt beds or rocks, or in crushing, screening or washing of salt.

Australian Standard Industrial Classification : Detailed Classification

DIVISION B : M	MINING - contd
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SUBDIVISION 15 : OTHER NON-METALLIC MINERALS - contd

Group Class	Title and Description				
150	OTHER NON-METALLIC MINERALS - 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 crushingSalt miningSalt evaporatingSalt screeningSalt harvestingSalt 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 miningMagnesite miningAlum miningMica miningAlunite miningMica miningAlunite miningMineral pigmentsAsbestos miningMineral pigmentsAsbestos miningOchre miningDiamonds miningOpal miningDiatomite miningPeat moss cuttingDolomite miningPerlite miningn.e.c.Phosphate rock mininEmeralds miningPyrophillite miningFlint quarryingPyrophillite miningFluorspar miningn.e.c.Gemstones quarryingSilica miningGlauconite miningpurposes)Graphite miningSillimanite miningGypsum miningTalc quarryingKyanite miningVermiculite miningLithium ore miningZeolite mining	£			

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

### Group Class

#### Title and Description

161

### MINERAL EXPLORATION (OWN ACCOUNT)

1611 PETROLEUM EXPLORATION (OWN ACCOUNT)

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

### 1612

MINERAL EXPLORATION N.E.C. (OWN ACCOUNT)

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

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

Group	Class	Title and Description
161		MINERAL EXPLORATION (OWN ACCOUNT) - 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		MINING AND EXPLORATION SERVICES N.E.C.
	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.

DIVISION	В	:	MINING	-	contd
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SUBDIVISION

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

Group	Class	Title and Description			
162	1620		N SERVICES N.E.C contd N 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.		

