



# MINING, AGRICULTURE AND UTILITIES

## Economy - Sectors

Step 1: Understanding Yesterday and Today

### Metropolitan Core Jobs & Economy Land Use Plan

#### Highlights

- 1% of Metro Core employment is in these sectors.
- In the Metro Core, businesses in these sectors are primarily engaged in support activities for mining, logging and utilities generation.
- The Metro Core has 78% of city jobs and 16% of regional jobs in these sectors. This is a higher than average city share and a lower than average regional share.
- 34% of Metro Core workers in these sectors live in Vancouver.
- The CBD has a larger number of these employees than any other Metro Core sub-area, and also a higher percent of its jobs in this sector.



#### What is included in these sectors?

This information sheet describes 3 sectors:

- Agriculture, forestry, fishing and hunting;
- Mining and oil and gas extraction; and
- Utilities

In the Metro Core, businesses in these sectors are primarily engaged in support activities for logging, fishing, mining and utilities generation and distribution.

These sectors are combined in this information sheet due to the small number of Metro Core jobs in each sector and the commonality among Metro Core occupations in these sectors (Table 1 and Table 5).

#### JOBS

#### How many people are employed in these sectors?

In 2001, nearly 3,000 people were employed in these sectors in the Metro Core. This is about 1% of all Metro Core employees. The largest employer in this group of sectors is electric power generation, transmission and distribution (Table 1).

**Table 1: Jobs by type**  
(70 jobs or more in the Metro Core)

Sub-sector/ sector	Metro Core	
Electric power generation, transmission and distribution	810	68%
Natural gas distribution	285	24%
Water, sewage and other systems	100	8%
<b>Utilities</b>	<b>1,195</b>	<b>100%</b>
Support activities for mining and oil and gas extraction	685	58%
Metal ore mining	270	23%
Mining - unspecified	120	10%
<b>Mining and oil and gas extraction</b>	<b>1,175</b>	<b>100%</b>
Logging	215	46%
Support activities for forestry	85	18%
Fishing	70	15%
<b>Agriculture, forestry, fishing and hunting</b>	<b>465</b>	<b>100%</b>
<b>3 sector total</b>	<b>2,850</b>	<b>100%</b>

Statistics Canada 2001 Census: Jobs by NAICS (4 digit), 2001.xls. See Note 1.

## How does this compare to the rest of the city and the region?

### (a) Percent of total jobs

These sectors account for approximately 1% of all jobs in the Metro Core. This is similar to the rest of the city and region where these sectors account for approximately 1% and 2% of all employment respectively (Table 2).

	Metro Core	Rest of city	Rest of region
Total jobs	199,955	112,700	589,115
Number of people working in the mining, agriculture and utilities sectors	2,850	815	14,130
% of total jobs	1%	1%	2%

Statistics Canada 2001 Census. Jobs by NAICS (2 digit), 2001.xls

### (b) Share of jobs

The Metro Core has a higher than average share of city jobs in these sectors and a lower than average regional share:

- 78% of city jobs in these sectors are in the Metro Core (vs. 64% of all city jobs)
- 16% of regional jobs are in these sectors (vs. 22% of all regional jobs)

The Metro Core has a particularly high share of both city and regional jobs in the mining and oil and gas extraction sector. Within this sector, all major sub-sectors have a higher than average share of city and regional jobs (Table 3).

Table 3: Share of city and regional jobs (70 jobs or more in the Metro Core)

	Metro Core's share of city	City total	Metro Core's share of region	Region total
Electric power generation, transmission and distribution	94%*	860	21%	3,810
Natural gas distribution	70%*	410	22%*	1,280
Water, sewage and other systems	48%	210	12%	810
<b>Utilities</b>	<b>80%</b>	<b>1,485</b>	<b>20%</b>	<b>5,900</b>
Metal ore mining	98%*	275	82%*	330
Support activities for mining and oil and gas extraction	96%*	710	69%*	990
Mining - unspecified	89%*	135	63%*	190
Non-metallic mineral mining and quarrying	75%*	80	39%*	155
<b>Mining and oil and gas extraction</b>	<b>94%*</b>	<b>1,255</b>	<b>66%*</b>	<b>1,775</b>
Support activities for forestry	74%*	115	18%	480
Logging	73%*	295	28%*	760
Fishing	52%	135	15%	480
Farms	21%	280	1%	7,880
<b>Agriculture, forestry, fishing and hunting</b>	<b>52%</b>	<b>900</b>	<b>5%</b>	<b>10,135</b>
<b>3 sector total</b>	<b>78%</b>	<b>3,640</b>	<b>16%</b>	<b>17,810</b>
<b>All sectors total</b>	<b>64%</b>	<b>312,660</b>	<b>22%</b>	<b>901,775</b>

Statistics Canada 2001 Census: Jobs by NAICS (4 digit), 2001.xls. Note: \* indicates share is greater than 64% of city jobs or 22% of regional jobs.

## How has this employment changed over time?

The analysis of economic sectors over time is limited due to changes to the industrial classification methods used by Statistics Canada over the past 25 years. In 1981, many of the jobs in the mining, agriculture and utilities sectors were classified in the “mining, quarrying and oil well industries” and the “communication and other utility industries sectors. From 1981 to 2001, mining industries jobs in the Metro Core decreased by 30% while utility industries jobs dropped by 18%. Overall, jobs across all sectors in the Metro Core increased by 14% (Table 4).

	1981	2001	% change
Total jobs	193,846	221,246	14%
Mining, quarrying and oil well industries jobs	1,855	1,297	-30%
Communication and other utility industries jobs	10,789	8,825	-18%

Statistics Canada 1981& 2001 Census: Jobs by SIC, 1981 to 2001.xls. See Note 2.

## Who is working in these sectors and what do they do?

Women occupy 44% of the positions in these sectors in the Metro Core. This is higher than the rest of the city but about the same as the rest of the region, where women occupy 27% and 43% of the positions in this sector, respectively. Overall, women occupy 50% of all jobs in the region.

Fulltime workers hold 92% of the jobs in these sectors in the Metro Core. This is higher than the rest of the city and region where 87% and 78% of workers are employed full time, respectively. Overall, 77% of all jobs in the region provide full time work (Statistics Canada 2001 Census: Jobs by NAICS (2-digit and 4-digit) by work activity by sex.xls).

Most people employed in these sectors in the Metro Core work in business, finance, administrative and management occupations (Table 5).

**Table 5: Occupations**

	Jobs in utilities		Jobs in mining and oil and gas extraction		Jobs in agriculture, forestry, fishing and hunting	
		%		%		%
Business, finance and administrative occupations	495	41%	375	32%	125	27%
Management occupations	275	23%	345	29%	90	19%
Natural and applied sciences and related occupations	140	12%	370	31%	85	18%
Trades, transport and equipment operators and related occupations	110	9%	25	2%	10	2%
Sales and service occupations	55	5%	0	0%	10	2%
Occupations unique to primary industry	0	0%	30	3%	145	31%
Total - Occupation	1,200	100%	1,190	100%	465	100%

Statistics Canada 2001 Census: Jobs by NAICS by Occupation, 2001.xls.

## Where do employees in these sectors live?

Approximately 34% of Metro Core employees in these sectors reside in the City of Vancouver. This is lower than the average of 53% across all sectors (Table 6).

**Table 6: Where Metro Core workers live**  
(areas with 125 or more residents employed in this sector in the Metro Core)

Vancouver*	970	34%
North Shore	560	20%
South of Fraser	400	14%
Burnaby/New West	315	11%
NE Sector	150	5%
Richmond	125	4%
Total	2,850	100%

Statistics Canada 2001 Census: Jobs by NAICS by POR, Metro Core, 2001.xls. Note: \* includes people who work at home in this sector in the Metro Core.

## BUSINESSES

### How many businesses are in these sectors and what size are they?

There are over 700 business establishments in these sectors in the Metro Core. This is nearly 3% of all Metro Core businesses (vs. 1% of all employment).

Statistics Canada lists many businesses as indeterminate in size (62% in these sectors - see Note 3). Of those Metro Core businesses in these sectors for which size is known (Table 7):

- Over 90% have less than 50 employees
- 13 have over 100 employees

### How do these businesses compare to the rest of the city and the region?

The Metro Core has a smaller proportion of businesses in these sectors with 5 or fewer employees than the rest of the city and region (Table 7).

**Table 7: Business sizes**

# of employees	Metro Core		Rest of city		Rest of region	
1-4	166	58%	90	63%	815	62%
5-19	73	26%	31	22%	337	26%
20-49	27	9%	11	8%	106	8%
50-99	7	2%	4	3%	33	3%
100-499	9	3%	6	4%	24	2%
500+	4	1%	1	1%	0	0%
Total	286	100%	143	100%	1,315	100%

Statistics Canada: Businesses by NAICS (2-digit) by Size, 2001.xls.

## SPACE AND LOCATION

### How many people work from home in these sectors?

Of those people employed in these sectors in the Metro Core, 2% work from home (Table 8)

**Table 8: Employees working from home**

	Metro Core	City	GVRD
Total	2,850	3,640	17,810
Work at home	45	200	3,235
%	2%	5%	18%
% across all sectors	3%	7%	9%

Statistics Canada: Jobs by NAICS (2 digit), 2001.xls. Note: Figures above do not include employees with no fixed place of work.

### Where in the Metro Core are these sectors located?

The largest numbers of jobs in these sectors are located in the Central Business District (see Figure 1 on 2<sup>nd</sup> last page).

Overall, 1% of Metro Core employment is in these sectors. Sub-areas where these sectors comprise significantly more than 1% are:

- Central Business District (3%)
- Clark Drive (3%) (see Table 9 on 2<sup>nd</sup> last page).

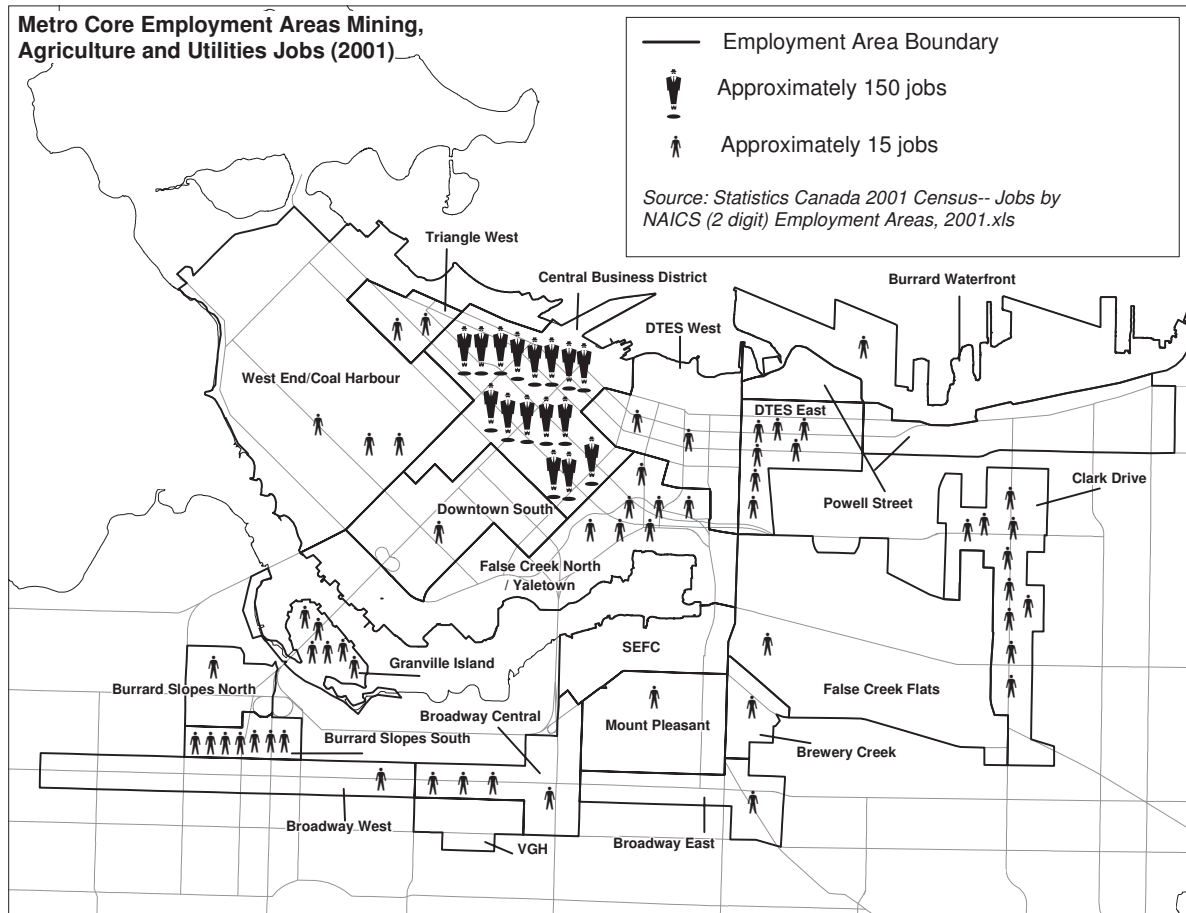
### What types of space do these sectors occupy?

While specific data is not available to connect each sector with its type of space, observation suggests that Metro Core businesses in these sectors occupy mostly office and industrial spaces (see occupations in Table 5).

## WHAT ELSE DO WE KNOW ABOUT THE ECONOMIC ROLE OF THESE SECTORS?

Combined, these sectors typically generate 8% of British Columbia's Gross Domestic Product and account for 4% of employees in BC. This is higher than the Metro Core where only 1% of all employees work in these sectors (BC Stats-- BC GDP by Industry and BC Employment by Industry).

Figure 1: Distribution of jobs



**Table 9: Percent of total jobs by employment area**

Central Business District	3%	DTES West	0%	Brewery Creek	0%
Clark Drive	3%	Broadway East	0%	Burrard Slopes North	0%
Powell Street	2%	West End/Coal Harbour	0%	Granville Island	0%
False Creek North/Yaletown	1%	Mount Pleasant	0%	SEFC	0%
Burrard Waterfront	1%	False Creek Flats	0%	Burrard Slopes South	0%
Triangle West	1%	Broadway West	0%	VGH	0%
Broadway Central	1%	Downtown South	0%	DTES East	0%

Statistics Canada 2001 Census-- Jobs by NAICS (2-digit), Employment Areas, 2001.xls. Note: Available data for the Burrard Waterfront employment area covers a geography that exceeds the boundaries of the Metro Core.

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## Sources / Contacts

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Sources of information are recorded throughout this Information Sheet. Additional notes are provided here:

1) In this paper, NAICS refers to the 1997 North American Industrial Classification System, which was the system used by Statistics Canada in 2001 to categorize jobs and businesses by industry sector.

2) Re: Table 4 - Data in this table are categorized according to 1980 SIC (Standard Industrial Classification). SIC was the classification method used by Statistics Canada prior to the 2001 Census. The job totals in Table 4 are higher because they include an estimate of jobs with no fixed place of work. . This estimate is reached by assigning to the Metro Core a share of the workers with no fixed place of work. The share is determined on a sector by sector basis and is based on the number of workers with a known place of work.

3) Re: Table 7 - Businesses in the “indeterminate” category have no employees registered on the payroll. They may have contract workers, or no workers at all. “Indeterminate” does not equate with “self-employed”. Self-employed businesses may be in either category.

This Information Sheet was published by the City of Vancouver. It is one in a series of Information Sheets produced for the Metropolitan Core Jobs and Economy Land Use Plan. The purpose of this initiative is to develop a long term land use policy plan to accommodate future economic activity and jobs in the Metro Core. For further information, please e-mail [corejobs@vancouver.ca](mailto:corejobs@vancouver.ca) or visit the website [www.vancouver.ca/corejobs](http://www.vancouver.ca/corejobs)