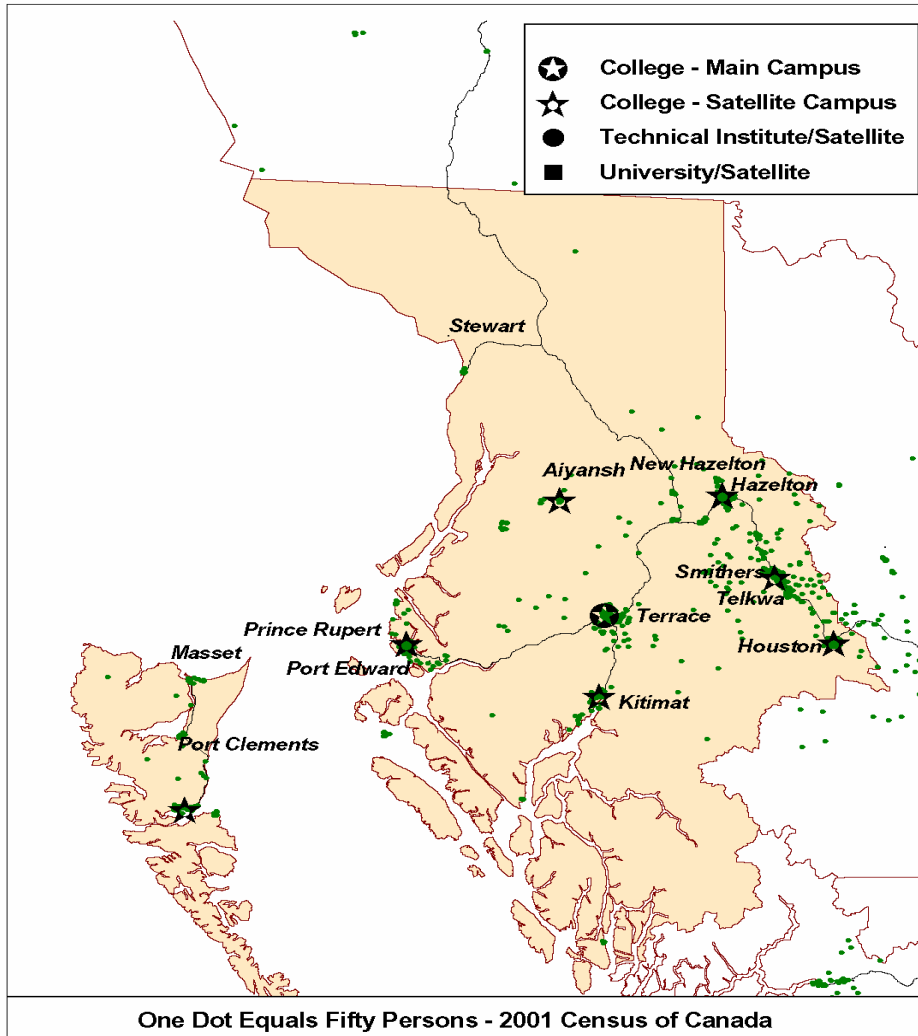


# INDUSTRY AND OCCUPATION PROJECTIONS: 2006 -- 2010

## NORTHWEST COLLEGE REGION



*Background Information on Geographic Location of Population*

Major Cities	Population 2005	% of Region	Land Area <small>Sq Km</small>	Population Density <small>Persons per Sq Km</small>
Prince Rupert	14,974	18.2	54.9	272.8
Terrace	12,556	15.3	41.5	302.9
Kitimat	10,587	12.9	242.6	43.6
Smithers	5,509	6.7	15.5	354.5
Houston	3,733	4.5	72.8	51.3
Telkwa	1,439	1.8	6.5	220.7
Masset	967	1.2	19.5	49.7
New Hazelton	758	0.9	25.6	29.6
Stewart	695	0.8	566.8	1.2
Port Edward	653	0.8	168.1	3.9
Port Clements	533	0.6	13.6	39.2
Hazelton	342	0.4	2.9	120.0
Rest of Region	29,413	35.8	101841.6	0.3
<b>Total Region</b>	<b>82,159</b>	<b>100.0</b>	<b>103,072.0</b>	<b>0.8</b>
<b>Region as % of BC</b>	<b>1.9</b>		<b>11.1</b>	
<b>Youth Age 15-29</b>	<b>18,199</b>			
<b>Youth in Region as % of BC</b>	<b>2.1</b>			

## **Note to Users**

**All assumptions relating to employment are based on past conditions, modified wherever possible to take into consideration future changes. Consequently, the resulting employment projections are not necessarily what will be, but rather what could be, given the realization of these conditions. It is certainly possible that unforeseen changes in factors such as economic development, government policy, land use and zoning will affect future employment. Consequently, the projections should only be regarded as one possible scenario on the future size and distribution of the workforce.**

# Regional Employment Projection Model (REPM)

BC STATS is grateful for the support and financial assistance from the Ministry of Advanced Education in developing the model.

## Contents

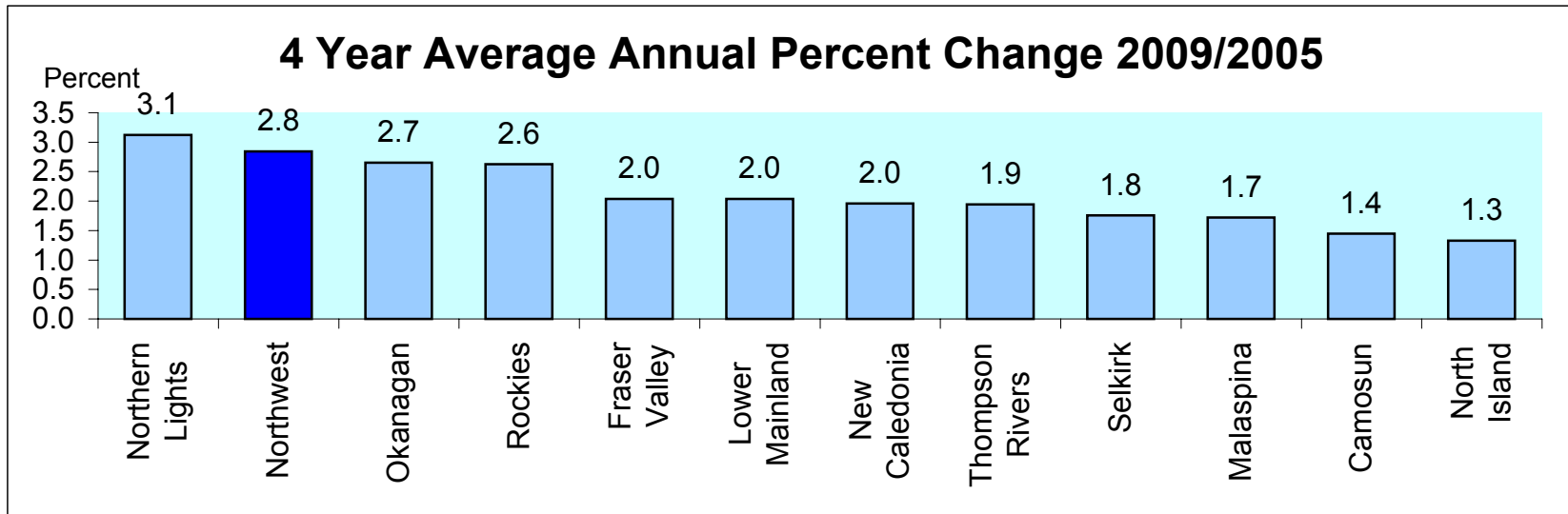
1. Projected Annual Growth in Employment Demand by College Region
2. Industrial Structure in the College Region Compared with BC, 2005 and 2009
3. Projected Annual Growth in Employment Demand by Industry
4. Occupational Structure in the College Region Compared with BC, 2005 and 2009
5. Projected Annual Growth Rates in Occupational Demand (1-digit)
6. Projected Annual Growth Rates in Occupational Demand (2-digits)

## Appendices

1. Methodology
2. COPS Industry Conversion to REPM
3. Regional District to College Region Conversion for REPM
4. Projected Annual Growth Rates in Occupational Demand (3-digit)
5. Projected Annual Growth Rates in Occupational Demand (4-digit)

# Projected Annual Growth in Employment Demand by College Region

	Estimated Employment	Projected Employment Levels		Average Annual % Chg			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2009</u>	<u>2010</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
Northern Lights	34,708	39,046	39,220	3.1	2.9	0.4	3.1
<b>Northwest</b>	<b>34,597</b>	<b>38,531</b>	<b>39,845</b>	<b>2.3</b>	<b>3.2</b>	<b>3.4</b>	<b>2.8</b>
Okanagan	175,281	193,888	201,600	2.3	2.9	4.0	2.7
Rockies	37,929	41,910	43,335	2.3	2.8	3.4	2.6
Fraser Valley	120,271	130,067	133,725	1.8	2.2	2.8	2.0
Lower Mainland	1,182,258	1,278,495	1,327,306	2.1	1.9	3.8	2.0
New Caledonia	75,311	81,207	83,482	1.8	2.0	2.8	2.0
Thompson Rivers	85,651	92,310	94,914	1.8	2.0	2.8	1.9
Selkirk	36,829	39,421	40,304	1.5	2.0	2.2	1.8
Malaspina	109,580	117,129	120,067	1.4	2.0	2.5	1.7
Camosun	167,460	177,149	181,894	1.3	1.6	2.7	1.4
North Island	70,227	73,956	75,509	1.2	1.4	2.1	1.3
<b>Total</b>	<b>2,130,101</b>	<b>2,303,108</b>	<b>2,381,200</b>	<b>2.0</b>	<b>2.0</b>	<b>3.4</b>	<b>2.0</b>

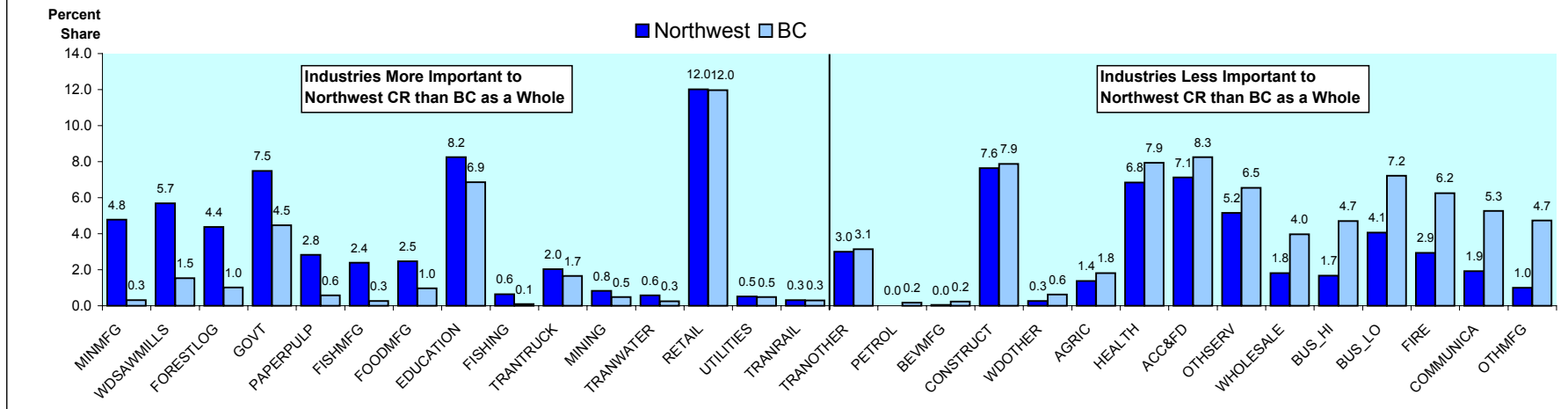


# Industrial Structure in the Northwest College Region Compared with BC

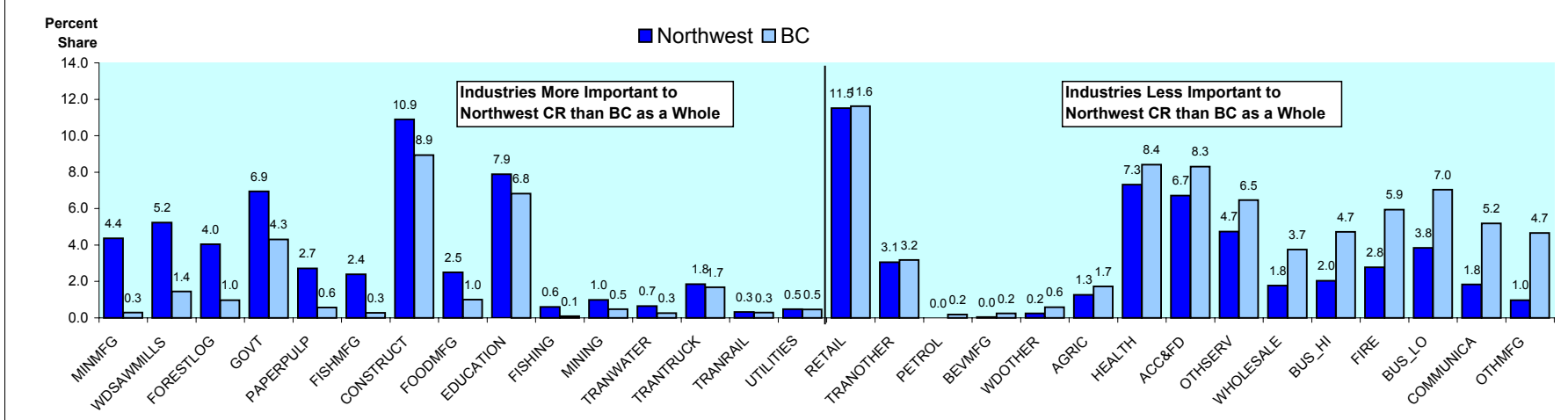
## Percent Share of Employment by Industry

Ranked by the Percentage Point Difference in the Industry Share in the College Region Compared with BC

### Based on Employment Estimates, 2005



### Based on Employment Projections, 2009



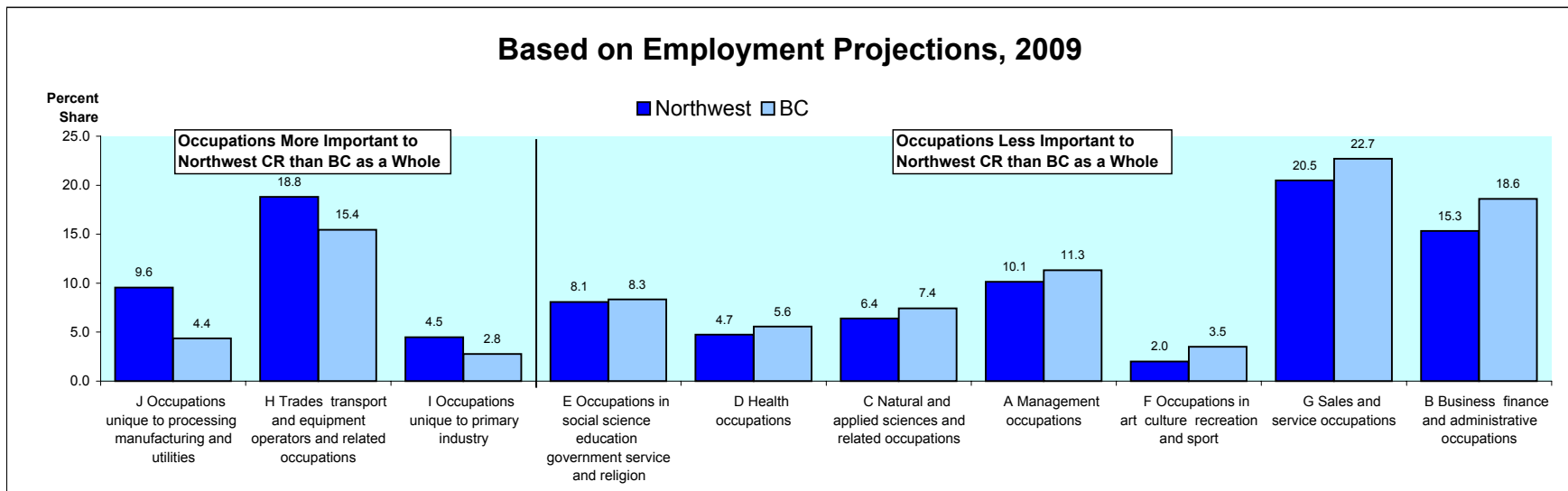
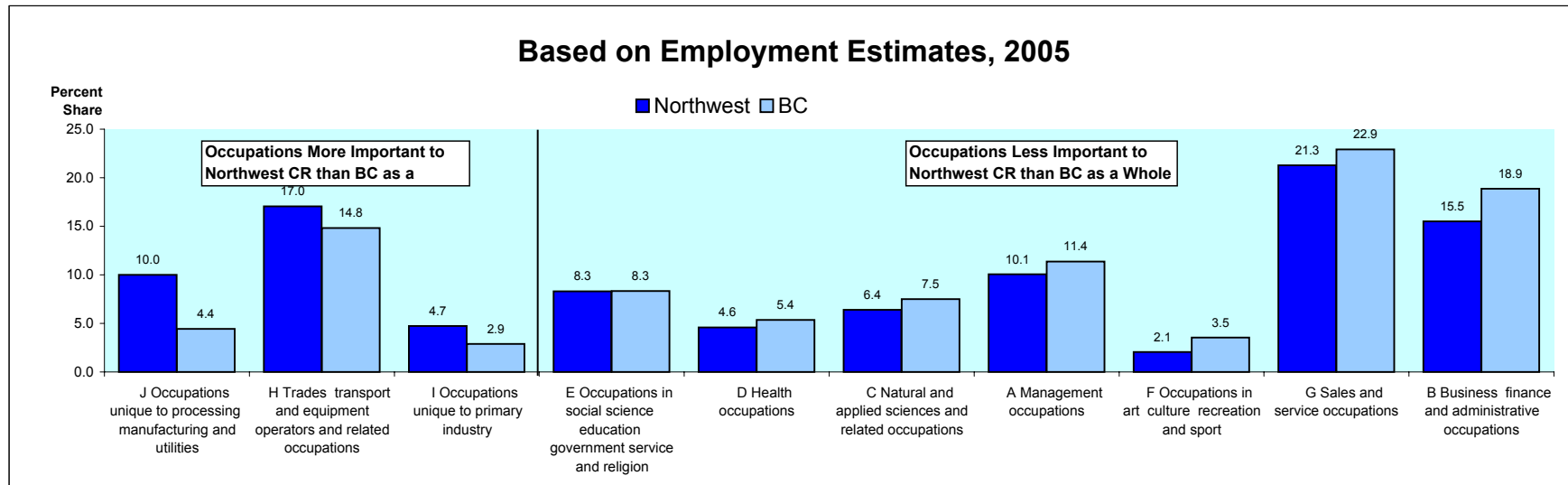
## Northwest College Region

	Estimated Employment	Projected Employment Levels		Average Annual % Chg			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2009</u>	<u>2010</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
	ACC&FD	2,466	2,587	2,717	0.5	1.9	5.0
AGRIC	474	486	507	0.9	0.4	4.4	0.6
BEVMFG	14	16	16	4.0	1.7	1.0	2.9
BUS_HI	580	784	845	6.4	9.9	7.8	8.8
BUS_LO	1,403	1,480	1,529	1.0	1.7	3.3	1.4
COMMUNICA	664	710	721	1.5	1.9	1.6	1.7
CONSTRUCT	2,646	4,199	4,243	9.9	16.2	1.0	14.7
EDUCATION	2,854	3,037	3,066	1.8	1.3	0.9	1.6
FIRE	1,014	1,068	1,128	1.2	1.4	5.6	1.3
FISHING	221	235	251	1.6	1.4	7.1	1.5
FISHMFG	825	921	931	4.0	1.7	1.0	2.9
FOODMFG	856	965	988	3.0	3.2	2.4	3.2
FORESTLOG	1,513	1,555	1,542	1.8	-0.4	-0.9	0.7
GOVT	2,588	2,678	2,700	0.8	0.9	0.8	0.9
HEALTH	2,366	2,821	2,974	4.6	4.6	5.4	4.8
MINING	284	379	415	7.7	7.9	9.4	8.4
MINMFG	1,653	1,682	1,687	0.6	0.3	0.3	0.4
OTHMFG	345	373	404	1.4	2.6	8.2	2.0
OTHSERV	1,786	1,827	1,929	0.1	1.1	5.6	0.6
PAPERPULP	977	1,046	1,052	2.2	1.2	0.5	1.8
PETROL	0	0	0	-	-	-	-
PETROLMFG	0	0	0	-	-	-	-
RETAIL	4,158	4,434	4,729	1.5	1.8	6.7	1.7
TRANOTHER	1,036	1,179	1,217	3.0	3.7	3.2	3.4
TRANRAIL	107	126	131	5.4	3.3	3.4	4.5
TRANTRUCK	700	712	729	-0.7	1.6	2.4	0.4
TRANWATER	202	252	263	6.7	4.8	4.6	6.1
UTILITIES	180	187	191	0.9	0.9	2.1	0.9
WDOTHER	91	94	98	0.4	0.8	5.2	0.6
WDSAWMILLS	1,966	2,014	2,119	0.4	0.8	5.2	0.6
WHOLESALE	628	684	723	1.2	3.1	5.7	2.2
<b>ALL INDUSTRIES</b>	<b>34,597</b>	<b>38,531</b>	<b>39,845</b>	<b>2.3</b>	<b>3.2</b>	<b>3.4</b>	<b>2.8</b>

# Occupational Structure in the Northwest College Region Compared with BC

## Percent Share of Employment by Occupation

Ranked by the Percentage Point Difference in the Occupation Share in the College Region Compared with BC



## Northwest College Region

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
	<b>All occupations</b>	34,597	2.3	3.2	3.4
<b>A Management occupations</b>	3,482	2.4	3.6	3.8	3.0
<b>B Business finance and administrative occupations</b>	5,362	2.1	2.8	3.5	2.5
<b>C Natural and applied sciences and related occupations</b>	2,218	2.4	3.1	2.9	2.8
<b>D Health occupations</b>	1,591	3.4	3.7	5.3	3.7
<b>E Occupations in social science education government service and religion</b>	2,871	2.1	2.1	2.4	2.1
<b>F Occupations in art culture recreation and sport</b>	714	1.8	2.3	2.7	2.1
<b>G Sales and service occupations</b>	7,366	1.4	2.1	4.8	1.8
<b>H Trades transport and equipment operators and related occupations</b>	5,897	4.1	6.8	2.3	5.7
<b>I Occupations unique to primary industry</b>	1,642	1.7	0.8	2.5	1.3
<b>J Occupations unique to processing manufacturing and utilities</b>	3,456	1.7	1.5	2.7	1.6



## **Projected Annual Growth Rates in Occupational Demand (2-digits)**

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
All occupations	34,597	2.3	3.2	3.4	2.8
A2 Managers in retail trade food and accommodation services	400	2.3	3.4	3.2	2.9
A3 Other managers n.e.c.	688	2.0	2.9	3.6	2.5
B0 Professional occupations in business and finance	1,200	1.3	2.0	5.8	1.7
B1 Finance and insurance administration occupations	1,197	3.6	5.5	2.3	4.8
B2 Secretaries	798	1.9	2.6	3.9	2.3
B3 Administrative and regulatory occupations	467	2.4	3.6	3.8	3.1
B4 Clerical supervisors	683	2.6	3.6	3.2	3.2
B5 Clerical occupations	593	2.2	3.2	3.0	2.8
C0 Professional occupations in natural and applied sciences	128	1.7	2.0	3.2	1.9
C1 Technical occupations related to natural and applied sciences	2,693	1.9	2.5	3.5	2.3
D0 Professional occupations in health	1,105	2.3	3.1	3.3	2.8
D1 Nurse supervisors and registered nurses	1,113	2.5	3.1	2.6	2.9
D2 Technical and related occupations in health	367	3.4	3.6	5.5	3.6
D3 Assisting occupations in support of health services	415	3.7	3.9	5.3	3.9
E0 Judges, lawyers, psychologists, social workers, ministers of religion & policy/program officers	406	3.3	3.6	5.1	3.5
E1 Teachers and professors	402	3.5	3.7	5.5	3.7
E2 Paralegals, social services workers & occup. in educ. & religion n.e.c.	674	2.0	2.7	3.7	2.4
F0 Professional occupations in art and culture	1,521	1.8	1.4	1.0	1.6
F1 Technical occupations in art, culture, recreation and sport	679	2.7	3.0	4.0	2.9
G0 Sales and service supervisors	301	1.7	2.0	2.1	1.9
G1 Wholesale, technical, insurance, real estate sales specialists & retail, wholesale and grain buyers	409	1.9	2.6	3.1	2.3
G2 Retail salespersons and sales clerks	213	1.4	2.1	5.3	1.8
G3 Cashiers	440	1.7	2.7	4.5	2.2
G4 Chefs and cooks	1,329	1.6	2.0	6.3	1.8
G5 Occupations in food and beverage service	599	1.5	1.9	6.1	1.7

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
G6 Occupations in protective services	506	0.9	2.1	4.8	1.5
G7 Occup. in travel & accommodation incl. attendants in recreation & sport	614	0.6	2.0	5.0	1.3
G8 Childcare and home support workers	522	1.0	1.1	1.3	1.1
G9 Sales and service occupations n.e.c.	272	2.1	2.9	3.6	2.6
H0 Contractors and supervisors in trades and transportation	638	2.2	2.4	3.7	2.3
H1 Construction trades	2,233	1.4	2.1	4.9	1.8
H2 Stationary engineers, power stn operators & electrical trades & telecom.	292	6.3	10.3	1.8	8.9
H3 Machinists, metal forming, shaping and erecting occupations	1,130	8.3	13.7	1.3	12.2
H4 Mechanics	469	4.5	7.1	1.8	6.1
H5 Other trades n.e.c.	395	3.0	4.7	2.2	4.0
H6 Heavy equipment and crane operators including drillers	968	1.9	2.6	3.6	2.3
H7 Transport equipment operators & related workers, excl. labourers	250	2.7	4.8	4.0	3.9
H8 Trades helpers, construction and transport labourers & related	366	5.1	7.8	2.0	6.9
I0 Occupations unique to agriculture, excluding labourers	1,211	1.7	2.8	2.8	2.3
I1 Occup. unique to forestry ops, mining, oil & gas extraction, fishing excl. labourers	814	3.9	6.4	2.5	5.4
I2 Primary production labourers	464	1.1	0.7	3.9	0.9
J0 Supervisors in manufacturing	762	2.0	0.8	2.2	1.4
J1 Machine operators in manufacturing	417	1.8	0.9	1.5	1.4
J2 Assemblers in manufacturing	301	1.5	1.4	2.5	1.4
J3 Labourers in processing, manufacturing and utilities	1,618	1.7	1.4	2.6	1.6

## Appendix 1

### **Summary of Methodology for the British Columbia Regional Employment Projection Model (REPM)**

The methodology used in the model has come largely from previous work on community dependencies carried out earlier by BC STATS. The fundamental premise is that the economy of a region can be represented by income flows that can be classified as “basic” (or driver) and “non-basic” (or support) depending on the source of the income.

The model calculates indirect employment effects from employment changes in the basic sectors using multipliers based in inter-industry linkages from the British Columbia Input-Output Model. Similarly, non-basic, or induced effects are calculated using an income-to-non-basic-jobs ratio.

The current version of the model is benchmarked to the 2001 Census employment by Regional District, and is projected forward up to the most up-to-date annual employment data from the Labour Force Survey. The growth rates from the Labour Force Survey (LFS) at the provincial level for the basic industries are used to project growth down to the Regional District level. The model then calculates the indirect jobs based on the Regional District specific multipliers. The direct and indirect employment levels are then used to calculate the wages and salaries earned in the basic industries which in turn are converted to employment in the non-basic industries through the income to support-industry job multipliers. As well, transfer payments and investment income are also converted to employment in the non-basic industries using the same multipliers. The output from the model is then benchmarked to the LFS industry numbers at the BC level as well as to the LFS regional employment numbers for the Development Regions and the Capital and Greater Vancouver Regional Districts. In the current version of the model, the employment numbers are reconciled up to the 2005 annual averages from the LFS.

Once the model is brought up to the most current employment levels, then the forecast is carried out for five to ten years further. The industrial employment projections from the Canadian Occupational Projection System (COPS) are now used as the source data for the industrial growth, both in determining the growth rates in the direct employment and then as a benchmark on which to reconcile the industrial employment generated by the model.

While the total employment is forced to the COPS employment levels, there is leeway to adjust growth rates by industry across the sub-provincial regions. There are some standard variables that are used to differentiate the outlook for

the regions. For example, the growth in the education sector is dictated by the projected K-12 and post-secondary population growth in the relevant age groups. Government Services is projected in line with the total population projections for the Regional Districts. Employment in the Health Sector is so often governed by the growth in the senior's population as are the transfer payments flowing in. (CPP and OAS is a large component of transfer payments). As well, pensions from private pension plans are considered investment income meaning seniors receive a high proportion of the total investment income in a region.

An important determining factor of growth by region is the major projects coming on stream in the outlook timeframe. Firstly they impact construction employment and secondly many will impact specific industries once they move into the production phase. In BC, we are dealing with the preparations for the 2010 Winter Games so many of the construction occupations will be in short supply.

The intent is to update the REPM annually, based on another year of LFS data plus a new COPS forecast. Currently, there is a demand for economic forecasts by occupation at the college region level. College Regions are aggregations of sub-sets of Regional Districts. Occupational forecasts are being produced at the college region level. In the appendix there is a conversion table which outlines which Regional District belongs to which College Region.

The model is only as good as the input data assumptions. Our reliance on good quality data from COPS is very important. Users of the data who perceive any problems with the assumptions in the model or question the quality of any of the data series being used should contact BC STATS at [bcstats@gov.bc.ca](mailto:bcstats@gov.bc.ca).

May 2, 2006

## Appendix 2

### COPS INDUSTRY CONVERSION TO REPM

REPM INDUSTRY	COPS INDUSTRY	% of COPS INDUSTRY
ACC&FD	31 Accommodation and food services	100
AGRIC	1 Agriculture	100
BEVMFG	9 Food and Beverage Products	16
BUS_HI	25 Computer System Design Services	100
BUS_HI	24 Professional Business Services	50
BUS_HI	26 Other Professional Services	50
BUS_LO	27 Management, Administrative and Other Support	100
BUS_LO	24 Professional Business Services	50
BUS_LO	26 Other Professional Services	50
COMMUNICA	30 Information, culture and recreation	100
CONSTRUCT	8 Construction	100
EDUCATION	28 Educational Services	100
FIRE	23 Finance, Insurance, Real Estate and Leasing	100
FISHING	3 Fishing, Hunting and Trapping	100
FISHMFG	9 Food and Beverage Products	18
FOODMFG	9 Food and Beverage Products	66
FORESTLOG	2 Forestry and Logging with support activities	100
GOVT	33 Public administration	100
HEALTH	29 Health Care and Social Assistance	75
MINING	5 Mining (except Oil and Gas)	100
MINING	6 Support Activities for Mining and Oil and Gas Extraction	67
MINMFG	14 Manufactured Mineral Products	50
OTHMFG	12 Printing and Related Support Activities	100
OTHMFG	13 Rubber, Plastics and Chemicals	100
OTHMFG	14 Manufactured Mineral Products	50
OTHMFG	15 Metal Fabrication and Machinery (excluding electrical)	100
OTHMFG	16 Computer, Electronic and Electrical Products	100
OTHMFG	17 Motor Vehicle, Body, Trailer & Parts Manufacturing	100
OTHMFG	18 Other Transportation Equipment Manufacturing	100
OTHSERV	29 Health Care and Social Assistance	25
OTHSERV	32 Other services	100

## COPS INDUSTRY CONVERSION TO REPM

REPM INDUSTRY	COPS INDUSTRY	% of COPS INDUSTRY
PAPERPULP	11 Paper Manufacturing	100
PETROL	4 Oil and Gas Extraction	100
PETROL	6 Support Activities for Mining and Oil and Gas Extraction	33
PETROLMFG	19 Other Manufacturing	7
RETAIL	21 Retail Trade	100
TRANOTHER	22 Transportation and Warehousing	59
TRANRAIL	22 Transportation and Warehousing	5
TRANTRUCK	22 Transportation and Warehousing	31
TRANWATER	22 Transportation and Warehousing	5
UTILITIES	7 Utilities	100
WDOTHER	10 Wood Product Manufacturing	29
WDSAWMILLS	10 Wood Product Manufacturing	71
WHOLESALE	20 Wholesale Trade	100

## Appendix 3

### REGIONAL DISTRICT TO COLLEGE REGION CONVERSION FOR REPM

COLLEGE REGION	REGIONAL DISTRICT #	REGIONAL DISTRICT NAME	% of REGIONAL DISTRICT
CAMOSUN	17	Capital	100
FRASER VALLEY	9	Fraser Valley	100
LOWER MAINLAND	15	Greater Vancouver	100
LOWER MAINLAND	29	Sunshine Coast	100
LOWER MAINLAND	31	Squamish Lillooet	87
MALASPINA	19	Cowichan Valley	100
MALASPINA	21	Nanaimo	100
MALASPINA	27	Powell River	100
NEW CALEDONIA	41	Cariboo	37
NEW CALEDONIA	51	Bulkley Nechako	61
NEW CALEDONIA	53	Fraser-Fort George	100
NORTH ISLAND	23	Alberni-Clayoquot	100
NORTH ISLAND	25	Comox Strathcona	100
NORTH ISLAND	43	Mount Waddington	100
NORTH ISLAND	45	Central Coast	100
NORTHERN LIGHTS	49	Kitimat Stikine	2
NORTHERN LIGHTS	55	Peace River	100
NORTHERN LIGHTS	57	Stikine	100
NORTHERN LIGHTS	59	Northern Rockies	100
NORTHWEST	47	Skeena-Queen Charlotte	100
NORTHWEST	49	Kitimat Stikine	98
NORTHWEST	51	Bulkley Nechako	39
OKANAGAN	7	Okanagan-Similkameen	100
OKANAGAN	35	Central Okanagan	100
OKANAGAN	37	North Okanagan	100
OKANAGAN	39	Columbia Shushwap	85
ROCKIES	1	East Kootenay	100
ROCKIES	3	Central Kootenays	20
ROCKIES	39	Columbia Shushwap	15
SELKIRK	3	Central Kootenays	80
SELKIRK	5	Kootenay Boundary	100
THOMPSON RIVERS	31	Squamish Lillooet	13
THOMPSON RIVERS	33	Thompson Nicola	100
THOMPSON RIVERS	41	Cariboo	63



## **Appendix 4**

### **Projected Annual Growth Rates in Occupational Demand (3-digit)**

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
All occupations	34,597	2.3	3.2	3.4	2.8
A01.001 Legislators and Senior Management	398	2.3	3.4	3.3	3.0
A11.011 Administrative Services Managers	257	2.0	2.6	3.3	2.4
A12.021 Managers in Engineering, Architecture, Science & Information Systems	101	2.2	3.3	3.5	2.8
A13.061 Sales, Marketing and Advertising Managers	210	2.0	3.1	4.2	2.6
A14.072 Facility Operation and Maintenance Managers	115	2.1	2.6	3.1	2.4
A21.062 Managers in Retail Trade	807	1.6	2.1	6.3	1.8
A22.063 Managers in Food Service and Accommodation	392	0.7	2.0	5.0	1.3
A30.012 Managers in Financial and Business Services	151	1.6	2.2	5.2	1.9
A31.013 Managers in Communication (Except Broadcasting)	16	2.2	3.0	2.5	2.7
A32.031 Managers in Health, Education, Social and Community Services	190	2.2	2.1	2.4	2.2
A33.041 Managers in Public Administration	37	1.0	1.1	1.4	1.1
A34.051 Managers in Art, Culture, Recreation and Sport	29	1.5	1.9	2.2	1.7
A35.064 Managers in Protective Service	53	0.8	0.9	0.8	0.9
A36.065 Managers in Other Services	40	1.4	2.5	4.2	2.0
A37.071 Managers in Construction and Transportation	367	7.6	12.9	1.4	11.2
A38.081 Managers in Primary Production (Except Agriculture)	103	2.3	1.2	1.9	1.8
A39.091 Managers in Manufacturing and Utilities	211	2.0	1.9	2.7	2.0
B01.111 Auditors, Accountants and Investment Professionals	617	1.9	2.7	4.1	2.3
B02.112 Human Resources and Business Service Professionals	181	1.7	2.4	3.1	2.1
B11.123 Finance and Insurance Administrative Occupations	467	2.4	3.6	3.8	3.1
B21.124 Secretaries, Records and Transcriptionists	683	2.6	3.6	3.2	3.2
B31.122 Administrative and Regulatory Occupations	591	2.3	3.2	3.0	2.8
B41.121 Clerical Supervisors	129	1.7	2.0	3.1	1.9
B51.141 Clerical Occupations, General Office Skills	899	2.2	2.9	3.4	2.6
B52.142 Office Equipment Operators	97	1.7	2.3	3.1	2.0
B53.143 Finance and Insurance Clerks	598	1.7	2.3	4.0	2.0
B54.144 Administrative Support Clerks	195	1.9	2.3	2.9	2.2
B55.145 Library Correspondence and Related Information Clerks	325	1.4	1.8	3.2	1.7

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
B56.146 Mail and Message Distribution Occupations	174	2.5	3.1	3.6	2.9
B57.147 Recording, Scheduling and Distributing Occupations	404	1.8	2.3	3.6	2.1
C01.211 Physical Science Professionals	56	3.0	3.7	4.5	3.5
C02.212 Life Science Professionals	186	1.6	1.1	1.7	1.3
C03.213 Civil, Mechanical, Electrical and Chemical Engineers	215	2.8	4.0	2.9	3.5
C04.214 Other Engineers	119	2.2	2.9	3.0	2.6
C05.215 Architects, Urban Planners and Land Surveyors	82	3.0	5.0	3.4	4.2
C06.216 Mathematicians, Statisticians and Actuaries	-	-	-	-	-
C07.217 Computer and Information Systems Professionals	439	2.1	3.2	3.9	2.7
C11.221 Technical Occupations in Physical Sciences	78	2.2	2.4	2.7	2.4
C12.222 Technical Occupations in Life Sciences	262	1.6	0.8	1.0	1.2
C13.223 Technical Occupations in Civil, Mechanical & Industrial Engineering	90	5.3	8.9	2.1	7.6
C14.224 Technical Occupations in Electronics and Electrical Engineering	186	2.2	3.1	3.1	2.7
C15.225 Technical Occupations in Architecture, Drafting, Surveying & Mapping	123	2.4	3.7	3.2	3.1
C16.226 Other Technical Inspectors and Regulatory Officers	77	2.5	3.5	2.4	3.1
C17.227 Transportation Officers and Controllers	142	3.9	3.5	3.4	3.8
C18.228 Technical Occupations in Computer and Information Systems	160	1.8	2.5	3.6	2.2
D01.311 Physicians Dentists and Veterinarians	183	3.7	4.0	5.4	4.0
D02.312 Optometrists, Chiropractors & Other Health Diagnosing/Treating Profs.	24	3.6	3.9	5.5	3.9
D03.313 Pharmacists, Dietitians and Nutritionists	74	2.2	2.5	6.1	2.4
D04.314 Therapy and Assessment Professionals	86	3.6	3.8	5.1	3.8
D11.315 Nurse Supervisors and Registered Nurses	415	3.7	3.9	5.3	3.9
D21.321 Medical Technologists and Technicians (Except Dental Health)	147	3.5	3.9	5.3	3.8
D22.322 Technical Occupations in Dental Health Care	40	3.5	3.8	5.7	3.8
D23.323 Other Technical Occupations in Health Care (Except Dental)	218	3.1	3.4	4.9	3.3
D31.341 Assisting Occupations in Support of Health Services	403	3.5	3.7	5.5	3.7
E01.411 Judges, Lawyers and Quebec Notaries	145	2.2	3.5	4.1	2.9
E02.415 Psychologists, Social Workers, Counsellors, Clergy & Probation Officers	270	2.1	2.5	4.1	2.3
E03 Policy and program officers researchers and consultants	261	1.8	2.4	3.0	2.2
E11.412 University Professors and Assistants	201	1.8	1.4	1.0	1.6

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
E12.413 College and Other Vocational Instructors	239	1.8	1.4	1.2	1.6
E13.414 Secondary and Elementary School Teachers & Educational Counsellors	1,079	1.8	1.3	0.9	1.6
E21.421 Paralegals, Social Services Workers & Occupations in Education & Religion n.e.c.	678	2.7	3.0	4.0	2.9
F01 Librarians, archivists, conservators and curators	20	1.5	1.9	1.7	1.8
F02.512 Writing, Translating and Public Relations Professionals	120	1.7	2.4	3.0	2.1
F03.513 Creative and Performing Artists	164	1.7	1.6	1.5	1.7
F11.521 Technical Occupations in Libraries, Archives Museums & Art Galleries	30	1.8	2.1	1.5	2.0
F12.522 Photographers, Graphic Arts Technicians & Technical & coordinating Occupations in Motion Pictures Broadcasting & Performing	69	1.9	2.9	3.1	2.5
F13.523 Announcers and Other Performers	15	1.3	1.9	2.4	1.6
F14.524 Creative Designers and Craftspersons	149	2.3	3.6	4.7	3.0
F15.525 Athletes, Coaches, Referees and Related Occupations	146	1.5	1.6	1.9	1.6
G01.621 Sales and Service Supervisors	213	1.4	2.1	5.3	1.8
G11.641 Sales Representatives, Wholesale Trade	241	1.7	2.8	4.1	2.3
G12.622 Technical Sales Specialists, Wholesale Trade	62	2.0	3.5	4.4	2.8
G13.623 Insurance and Real Estate Sales Occupations and Buyers	138	1.6	2.1	5.3	1.9
G21.642 Retail Salespersons and Sales Clerks	1,331	1.6	2.0	6.2	1.8
G31.661 Cashiers	599	1.5	1.9	6.1	1.7
G41.624 Chefs and Cooks	506	0.9	2.1	4.8	1.5
G51.645 Occupations in Food and Beverage Service	613	0.6	2.0	5.0	1.3
G61.626 Police Officers and Fire-fighters	263	0.9	0.9	0.8	0.9
G62.646 Other Occupations in Protective Service	200	1.0	1.1	1.3	1.1
G63.665 Security Guards and Related Occupations	59	1.6	1.9	3.5	1.7
G71.643 Occupations in Travel and Accommodation	191	2.3	3.2	3.9	2.8
G72.644 Tour and Recreational Guides and Casino Occupations	37	1.6	2.2	2.9	1.9
G73.667 Other Occupations in Travel Accommodation, Amusement & Recreation	42	1.6	2.1	2.9	1.9
G81.647 Childcare and Home Support Workers	637	2.2	2.4	3.7	2.3
G91.627 Technical Occupations in Personal Service	145	0.2	1.1	5.6	0.6
G92.648 Other Occupations in Personal Service	81	0.5	1.3	5.5	0.9

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
G93.666 Cleaners	578	1.8	2.5	3.6	2.2
G94.625 Butchers and Bakers	228	2.1	2.5	4.5	2.4
G96.664 Food Counter Attendants, Kitchen Helpers & Related Occupations	627	1.0	2.2	4.9	1.6
G97.662 Other Sales and Related Occupations	497	1.5	1.9	6.5	1.7
G98.668 Other Elemental Service Occupations	80	1.2	1.9	5.0	1.6
H01.721 Contractors and Supervisors, Trades and Related Workers	271	6.5	10.8	1.7	9.4
H02.722 Supervisors, Railway and Motor Transportation Occupations	22	2.9	2.9	3.0	3.0
H11.725 Plumbers, Pipefitters and Gas Fitters	208	6.6	10.8	1.2	9.4
H12.727 Carpenters and Cabinetmakers	460	8.3	13.7	1.3	12.2
H13.728 Masonry and Plastering Trades	175	9.2	15.2	1.1	13.6
H14.729 Other Construction Trades	290	8.9	14.7	1.3	13.1
H21.724 Electrical Trades and Telecommunications Occupations	380	5.2	8.4	1.8	7.2
H22.735 Stationary Engineers and Power Station and System Operators	89	1.7	1.3	1.5	1.5
H31.723 Machinists and Related Occupations	67	1.4	1.6	3.0	1.5
H32.726 Metal Forming, Shaping and Erecting Trades	326	3.4	5.3	2.1	4.5
H41.731 Machinery & Transportation Equipment Mechanics (Except Motor Vehicle)	633	2.4	3.0	2.7	2.8
H42.732 Automotive service technicians	292	0.8	1.6	5.3	1.2
H43.733 Other Mechanics	46	1.7	3.0	4.6	2.4
H51.734 Upholsterers, Tailors, Shoe Repairers, Jewellers & Related Occupations	44	1.0	1.8	6.0	1.4
H52.738 Printing Press Operators, Commercial Divers & Other Trades & Related Occupations n.e.c.	75	1.1	1.7	4.7	1.4
H53.744 Other installers repairers and servicers	132	4.3	7.3	3.2	6.1
H61.742 Heavy Equipment Operators	282	5.6	8.5	2.1	7.5
H62.737 Crane Operators Drillers and Blasters	85	3.6	5.5	1.5	4.7
H71.741 Motor Vehicle and Transit Drivers	1,046	1.3	2.7	2.8	2.0
H72.736 Train Crew Operating Occupations	36	5.0	3.3	3.2	4.3
H73.743 Other Transport Equipment Operators and Related Workers	125	4.4	3.7	3.5	4.2
H81.745 Longshore Workers and Material Handlers	487	1.7	2.1	3.4	1.9
H82.761 Trades Helpers and Labourers	281	8.0	13.3	1.4	11.7

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
H83.762 Public Works and Other Labourers n.e.c.	47	2.5	3.9	1.8	3.3
I01.825 Contractors, Operators & Supervisors in Agriculture, Horticulture & Aquaculture	255	1.1	0.8	3.9	0.9
I02.843 Agriculture and Horticulture Workers	209	1.0	0.5	3.9	0.8
I11.821 Supervisors, Logging and Forestry	96	1.5	0.1	0.6	0.8
I12.822 Supervisors, Mining Oil and Gas	21	6.5	6.9	8.2	7.2
I13.823 Underground Miners, Oil and Gas Drillers and Related Workers	22	7.1	7.3	8.6	7.8
I14.841 Mine Service Workers and Operators in Oil and Gas Drilling	15	5.7	6.3	6.4	6.3
I15.824 Logging Machinery Operators	168	1.6	0.1	0.3	0.9
I16.842 Logging and Forestry Workers	274	1.7	-0.2	-0.5	0.8
I17.826 Fishing Vessel Masters and Skippers and Fishermen/women	132	1.6	1.4	7.0	1.5
I18.844 Other Fishing and Trapping Occupations	35	1.7	1.4	6.8	1.6
I21.861 Primary Production Labourers	417	1.8	0.9	1.5	1.4
J01.921 Supervisors, Processing Occupations	275	1.4	1.3	2.5	1.4
J02.922 Supervisors, Assembly and Fabrication	25	1.7	2.4	3.1	2.1
J11.923 Central Control & Process Operators in Manufacturing & Processing	139	1.6	1.1	0.8	1.3
J12.941 Machine Operators & Related Workers in Metal & Mineral Products Processing	217	1.0	1.1	1.0	1.1
J13.942 Machine Operators & Related Workers in Chemical, Plastic & Rubber Processing	31	1.4	1.5	1.9	1.5
J14.943 Machine Operators & Related Workers in Pulp & Paper Production & Wood Processing	639	0.9	1.0	3.9	0.9
J15.944 Machine Operators and Related Workers in Textile Processing	7	1.7	1.5	3.8	1.7
J16.945 Machine Operators and Related Workers in Fabric, Fur & Leather Products Manufacturing	29	1.6	2.3	5.9	2.0
J17.946 Machine Operators & Related Workers in Food, Beverage & Tobacco Processing	425	3.6	2.2	1.5	3.0
J18.947 Printing Machine Operators and Related Occupations	43	1.3	1.9	5.6	1.6
J19.951 Machining, Metalworking, Woodworking & Related Machine Operators	85	1.0	1.2	2.2	1.1
J21.948 Mechanical Electrical and Electronics Assemblers	42	1.8	2.6	4.6	2.3

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
J22.949 Other Assembly and Related Occupations	108	2.3	3.7	4.3	3.1
J31.961 Labourers in Processing Manufacturing and Utilities	1,390	1.8	1.5	2.8	1.6

## **Appendix 5**

### **Projected Annual Growth Rates in Occupational Demand (4-digit)**



# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
<b>All occupations</b>	34,597	2.3	3.2	3.4	2.8
<b>A Management occupations</b>	3,482	2.4	3.6	3.8	3.0
<b>A0 Senior management occupations</b>	400	2.3	3.4	3.2	2.9
<b>A01.001 Legislators and Senior Management</b>	398	2.3	3.4	3.3	3.0
<b>A011.0011 Legislators</b>	23	0.9	0.9	0.8	1.0
<b>A012.0012 Senior Government Managers and Officials</b>	65	1.0	1.1	1.0	1.0
<b>A013.0013 Senior Managers - Financial, Communications and Other     Business Services</b>	77	2.1	3.3	4.8	2.7
<b>A014.0014 Senior Managers - Health, Education, Social and Community     Services and Membership Organizations</b>	42	2.0	2.3	4.3	2.2
<b>A015.0015 Senior Managers - Trade, Broadcasting and Other Services     n.e.c.</b>	64	1.2	2.2	5.6	1.7
<b>A016.0016 Senior Managers - Goods Production, Utilities,     Transportation and Construction</b>	129	4.1	6.0	2.3	5.3
<b>A1 Specialist managers</b>	688	2.0	2.9	3.6	2.5
<b>A11.011 Administrative Services Managers</b>	257	2.0	2.6	3.3	2.4
<b>A111.0111 Financial Managers</b>	122	2.1	2.7	3.5	2.5
<b>A112.0112 Human Resources Managers</b>	53	1.8	2.2	3.2	2.1
<b>A113.0113 Purchasing Managers</b>	15	1.9	2.4	3.6	2.2
<b>A114.0114 Other Administrative Services Managers</b>	65	2.2	2.8	3.2	2.6
<b>A12.021 Managers in Engineering, Architecture, Science and Information     Systems</b>	101	2.2	3.3	3.5	2.8
<b>A121.0211 Engineering Managers</b>	30	2.5	3.9	2.9	3.3
<b>A122.0213 Computer and Information Systems Managers</b>	59	1.9	2.9	3.8	2.5
<b>A123.0212 Architecture and Science Managers</b>	-	-	-	-	-
<b>A13.061 Sales, Marketing and Advertising Managers</b>	210	2.0	3.1	4.2	2.6
<b>A131.0611 Sales, Marketing and Advertising Managers</b>	211	2.0	3.1	4.2	2.6
<b>A14.072 Facility Operation and Maintenance Managers</b>	115	2.1	2.6	3.1	2.4
<b>A141.0721 Facility Operation and Maintenance Managers</b>	115	2.1	2.6	3.1	2.4

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
A2 Managers in retail trade, food and accommodation services	1,200	1.3	2.0	5.8	1.7
A21.062 Managers in Retail Trade	807	1.6	2.1	6.3	1.8
A211.0621 Retail Trade Managers	808	1.6	2.0	6.2	1.8
A22.063 Managers in Food Service and Accommodation	392	0.7	2.0	5.0	1.3
A221.0631 Restaurant and Food Service Managers	293	0.7	2.0	5.0	1.3
A222.0632 Accommodation Service Managers	99	0.6	2.0	4.9	1.3
A3 Other managers n.e.c.	1,197	3.6	5.5	2.3	4.8
A30.012 Managers in Financial and Business Services	151	1.6	2.2	5.2	1.9
A301.0121 Insurance, Real Estate and Financial Brokerage Managers	40	2.0	2.9	4.7	2.5
A302.0122 Banking, Credit and Other Investment Managers	98	1.3	1.5	5.5	1.4
A303.0123 Other Business Services Managers	14	2.5	4.4	4.4	3.6
A31.013 Managers in Communication (Except Broadcasting)	16	2.2	3.0	2.5	2.7
A311.0131 Telecommunication Carriers Managers	13	2.0	2.8	2.2	2.4
A312.0132 Postal and Courier Services Managers	-	-	-	-	-
A32.031 Managers in Health, Education, Social and Community Services	190	2.2	2.1	2.4	2.2
A321.0311 Managers in Health Care	42	3.5	3.8	5.1	3.8
A322.0312 Administrators - Post-Secondary Education and Vocational Training	44	1.9	1.5	1.0	1.7
A323.0313 School Principals and Administrators of Elementary and Secondary Education	78	1.8	1.4	1.0	1.6
A324.0314 Managers in Social, Community and Correctional Services	27	2.1	2.5	4.0	2.4
A33.041 Managers in Public Administration	37	1.0	1.1	1.4	1.1
A331.0411 Government Managers - Health and Social Policy Development and Program Administration	13	1.2	1.4	1.8	1.3
A332.0412 Government Managers - Economic Analysis, Policy Development and Program Administration	13	0.9	1.0	1.2	0.9
A333.0413 Government Managers - Education Policy Development and Program Administration	-	-	-	-	-
A334.0414 Other Managers in Public Administration	-	-	-	-	-
A34.051 Managers in Art, Culture, Recreation and Sport	29	1.5	1.9	2.2	1.7

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
A341.0511 Library, Archive, Museum and Art Gallery Managers	-	-	-	-	-
A342.0512 Managers - Publishing, Motion Pictures, Broadcasting and Performing Arts	-	-	-	-	-
A343.0513 Recreation and Sports Program and Service Directors	16	1.3	1.5	1.9	1.4
A35.064 Managers in Protective Service	53	0.8	0.9	0.8	0.9
A351.0641 Commissioned Police Officers	-	-	-	-	-
A352.0642 Fire Chiefs and Senior Fire-fighting Officers	-	-	-	-	-
A353.0643 Commissioned Officers, Armed Forces	35	0.8	0.9	0.8	0.9
A36.065 Managers in Other Services	40	1.4	2.5	4.2	2.0
A361.0651 Other Services Managers	40	1.4	2.5	4.2	2.0
A37.071 Managers in Construction and Transportation	367	7.6	12.9	1.4	11.2
A371.0711 Construction Managers	198	9.3	15.4	1.2	13.8
A372.0712 Residential Home Builders and Renovators	84	9.7	15.9	1.1	14.3
A373.0713 Transportation Managers	81	1.7	2.8	2.9	2.3
A38.081 Managers in Primary Production (Except Agriculture)	103	2.3	1.2	1.9	1.8
A381.0811 Primary Production Managers (Except Agriculture)	105	2.3	1.2	1.9	1.8
A39.091 Managers in Manufacturing and Utilities	211	2.0	1.9	2.7	2.0
A391.0911 Manufacturing Managers	192	2.1	1.9	2.8	2.0
A392.0912 Utilities Managers	17	1.5	2.1	2.1	1.8
<b>B Business, finance and administrative occupations</b>	5,362	2.1	2.8	3.5	2.5
<b>B0 Professional occupations in business and finance</b>	798	1.9	2.6	3.9	2.3
<b>B01.111 Auditors, Accountants and Investment Professionals</b>	617	1.9	2.7	4.1	2.3
<b>B011.1111 Financial Auditors and Accountants</b>	404	2.2	3.2	3.6	2.8
<b>B012.1112 Financial and Investment Analysts</b>	47	1.6	2.1	4.3	1.9
<b>B013.1113 Securities Agents, Investment Dealers and Brokers</b>	53	1.3	1.5	5.5	1.4
<b>B014.1114 Other Financial Officers</b>	112	1.4	1.7	5.1	1.5
<b>B02.112 Human Resources and Business Service Professionals</b>	181	1.7	2.4	3.1	2.1
<b>B021.1121 Specialists in Human Resources</b>	93	1.3	1.5	2.5	1.4
<b>B022.1122 Professional Occupations in Business Services to Management</b>	87	2.2	3.4	3.8	2.8

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
<b>B1 Finance and insurance administration occupations</b>	467	2.4	3.6	3.8	3.1
<b>B11.123 Finance and Insurance Administrative Occupations</b>	467	2.4	3.6	3.8	3.1
B111.1231 Bookkeepers	331	2.9	4.5	3.5	3.8
B112.1232 Loan Officers	36	1.3	1.5	5.2	1.4
B113.1233 Insurance Adjusters and Claims Examiners	56	1.3	1.4	5.0	1.4
B114.1234 Insurance Underwriters	16	1.2	1.3	4.6	1.2
B115.1235 Assessors, Valuers and Appraisers	19	1.1	1.3	1.7	1.2
B116.1236 Customs, Ship and Other Brokers	-	-	-	-	-
<b>B2 Secretaries</b>	683	2.6	3.6	3.2	3.2
<b>B21.124 Secretaries, Records and Transcriptionists</b>	683	2.6	3.6	3.2	3.2
B211.1241 Secretaries (Except Legal and Medical)	499	2.5	3.6	2.7	3.1
B212.1242 Legal Secretaries	103	2.3	3.7	4.3	3.1
B213.1243 Medical Secretaries	71	3.7	3.9	5.3	3.9
B214.1244 Court Recorders and Medical Transcriptionists	-	-	-	-	-
<b>B3 Administrative and regulatory occupations</b>	593	2.2	3.2	3.0	2.8
<b>B31.122 Administrative and Regulatory Occupations</b>	591	2.3	3.2	3.0	2.8
B311.1221 Administrative Officers	347	2.6	3.8	3.4	3.3
B312.1222 Executive Assistants	49	2.2	2.9	3.2	2.6
B313.1223 Personnel and Recruitment Officers	20	2.1	2.5	2.8	2.3
B314.1224 Property Administrators	22	3.4	5.8	2.7	4.8
B315.1225 Purchasing Agents and Officers	54	2.0	2.6	3.3	2.4
B316.1226 Conference and Event Planners	19	1.4	1.8	3.1	1.6
B317.1227 Court Officers and Justices of the Peace	11	0.8	0.9	0.8	0.9
B318.1228 Immigration, Employment Insurance and Revenue Officers	64	0.8	0.9	0.8	0.9
<b>B4 Clerical supervisors</b>	128	1.7	2.0	3.2	1.9
<b>B41.121 Clerical Supervisors</b>	129	1.7	2.0	3.1	1.9
B411.1211 Supervisors, General Office & Administrative Support Clerks	36	1.5	1.7	2.2	1.7
B412.1212 Supervisors, Finance and Insurance Clerks	36	1.6	1.8	3.8	1.7
B413.1213 Supervisors, Library Correspondence and Related Information	18	1.2	1.5	2.2	1.3
B414.1214 Supervisors, Mail and Message Distribution Occupations	-	-	-	-	-

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
<b>B415.1215 Supervisors, Recording, Distributing and Scheduling Occupations</b>	29	2.0	2.4	3.9	2.2
<b>B5 Clerical occupations</b>	2,693	1.9	2.5	3.5	2.3
<b>B51.141 Clerical Occupations, General Office Skills</b>	899	2.2	2.9	3.4	2.6
<b>B511.1411 General Office Clerks</b>	589	2.1	2.9	3.0	2.6
<b>B513.1413 Records Management and Filing Clerks</b>	46	2.0	2.3	3.3	2.2
<b>B514.1414 Receptionists and Switchboard Operators</b>	263	2.5	3.1	4.3	2.9
<b>B52.142 Office Equipment Operators</b>	97	1.7	2.3	3.1	2.0
<b>B522.1422 Data Entry Clerks</b>	83	1.7	2.3	3.1	2.1
<b>B523.1423 Desktop Publishing Operators and Related Occupations</b>	-	-	-	-	-
<b>B524.1424 Telephone Operators</b>	-	-	-	-	-
<b>B53.143 Finance and Insurance Clerks</b>	598	1.7	2.3	4.0	2.0
<b>B531.1431 Accounting and Related Clerks</b>	285	2.0	3.0	3.4	2.6
<b>B532.1432 Payroll Clerks</b>	81	1.9	2.4	2.6	2.2
<b>B533.1433 Customer Service Representatives - Financial Services</b>	159	1.2	1.4	5.5	1.3
<b>B534.1434 Banking, Insurance and Other Financial Clerks</b>	53	1.3	1.5	5.2	1.4
<b>B535.1435 Collectors</b>	23	1.3	1.6	3.4	1.5
<b>B54.144 Administrative Support Clerks</b>	195	1.9	2.3	2.9	2.2
<b>B541.1441 Administrative Clerks</b>	155	2.0	2.5	3.1	2.3
<b>B542.1442 Personnel Clerks</b>	26	1.8	1.9	2.7	1.9
<b>B543.1443 Court Clerks</b>	15	0.9	1.0	0.9	0.9
<b>B55.145 Library, Correspondence and Related Information Clerks</b>	325	1.4	1.8	3.2	1.7
<b>B551.1451 Library Clerks</b>	14	1.6	1.7	1.5	1.7
<b>B552.1452 Correspondence, Publication and Related Clerks</b>	-	-	-	-	-
<b>B553.1453 Customer Service, Information and Related Clerks</b>	219	1.6	2.1	4.1	1.9
<b>B554.1454 Survey Interviewers and Statistical Clerks</b>	88	1.0	1.2	1.2	1.1
<b>B56.146 Mail and Message Distribution Occupations</b>	174	2.5	3.1	3.6	2.9
<b>B561.1461 Mail, Postal and Related Clerks</b>	70	2.5	3.1	3.2	2.9
<b>B562.1462 Letter Carriers</b>	64	3.0	3.7	3.2	3.4
<b>B563.1463 Couriers, Messengers and Door-to-Door Distributors</b>	40	1.7	2.2	5.1	2.0

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
B57.147 Recording, Scheduling and Distributing Occupations	404	1.8	2.3	3.6	2.1
B571.1471 Shippers and Receivers	199	1.8	2.2	3.7	2.0
B572.1472 Storekeepers and Parts Clerks	47	1.6	2.1	5.3	1.9
B573.1473 Production Clerks	27	1.4	1.7	2.4	1.6
B574.1474 Purchasing and Inventory Clerks	55	2.2	2.5	4.2	2.4
B575.1475 Dispatchers and Radio Operators	69	1.5	2.7	2.3	2.2
B576.1476 Transportation Route and Crew	-	-	-	-	-
<b>C Natural and applied sciences and related occupations</b>	2,218	2.4	3.1	2.9	2.8
<b>C0 Professional occupations in natural and applied sciences</b>	1,105	2.3	3.1	3.3	2.8
<b>C01.211 Physical Science Professionals</b>	56	3.0	3.7	4.5	3.5
C011.2111 Physicists and Astronomers	-	-	-	-	-
C012.2112 Chemists	18	2.4	3.2	3.8	2.9
C013.2113 Geologists, Geochemists and Geophysicists	27	3.8	4.5	5.5	4.3
C014.2114 Meteorologists	-	-	-	-	-
C015.2115 Other Professional Occupations in Physical Sciences	-	-	-	-	-
<b>C02.212 Life Science Professionals</b>	186	1.6	1.1	1.7	1.3
C021.2121 Biologists and Related Scientists	48	1.8	2.3	2.7	2.1
C022.2122 Forestry Professionals	128	1.5	0.6	1.2	1.1
C023.2123 Agricultural Representatives, Consultants and Specialists	-	-	-	-	-
<b>C03.213 Civil, Mechanical, Electrical and Chemical Engineers</b>	215	2.8	4.0	2.9	3.5
C031.2131 Civil Engineers	94	3.3	5.4	3.0	4.6
C032.2132 Mechanical Engineers	60	2.4	2.8	2.8	2.6
C033.2133 Electrical and Electronics Engineers	42	2.3	3.3	3.6	2.9
C034.2134 Chemical Engineers	22	2.0	1.9	1.7	2.0
<b>C04.214 Other Engineers</b>	119	2.2	2.9	3.0	2.6
C041.2141 Industrial and Manufacturing Engineers	25	1.8	1.8	1.5	1.9
C042.2142 Metallurgical and Materials Engineers	21	1.0	0.9	1.2	0.9
C043.2143 Mining Engineers	-	-	-	-	-
C044.2144 Geological Engineers	-	-	-	-	-
C045.2145 Petroleum Engineers	-	-	-	-	-

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## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
C046.2146 Aerospace Engineers	-	-	-	-	-
C047.2147 Computer Engineers (Except Software Engineers)	34	2.1	3.3	4.0	2.7
C048.2148 Other Professional Engineers n.e.c.	22	2.9	3.3	3.8	3.2
C05.215 Architects, Urban Planners and Land Surveyors	82	3.0	5.0	3.4	4.2
C051.2151 Architects	36	3.0	5.2	4.4	4.3
C052.2152 Landscape Architects	-	-	-	-	-
C053.2153 Urban and Land Use Planners	23	2.9	4.7	1.4	3.9
C054.2154 Land Surveyors	18	3.1	5.2	3.6	4.3
C06.216 Mathematicians, Statisticians and Actuaries	-	-	-	-	-
C061.2161 Mathematicians, Statisticians and Actuaries	-	-	-	-	-
C07.217 Computer and Information Systems Professionals	439	2.1	3.2	3.9	2.7
C071.2171 Information Systems Analysts and Consultants	157	2.0	2.8	3.6	2.4
C072.2172 Database Analysts and Data Administrators	25	2.0	2.7	3.3	2.4
C073.2173 Software Engineers	50	2.3	3.7	4.4	3.1
C074.2174 Computer Programmers and Interactive Media Developers	153	2.2	3.2	4.1	2.8
C075.2175 Web Designers and Developers	54	2.4	3.8	4.4	3.2
C1 Technical occupations related to natural and applied sciences	1,113	2.5	3.1	2.6	2.9
C11.221 Technical Occupations in Physical Sciences	78	2.2	2.4	2.7	2.4
C111.2211 Chemical Technologists and Technicians	43	1.7	1.7	1.7	1.8
C112.2212 Geological and Mineral Technologists and Technicians	30	3.0	3.4	4.1	3.3
C113.2213 Meteorological Technicians	-	-	-	-	-
C12.222 Technical Occupations in Life Sciences	262	1.6	0.8	1.0	1.2
C121.2221 Biological Technologists and Technicians	38	1.8	1.8	2.7	1.8
C122.2222 Agricultural and Fish Products Inspectors	18	2.3	1.5	1.3	1.9
C123.2223 Forestry Technologists and Technicians	168	1.5	0.3	0.5	0.9
C124.2224 Conservation and Fishery Officers	24	0.9	0.8	0.9	0.9
C125.2225 Landscape and Horticultural Technicians and Specialists	15	2.1	2.7	2.0	2.5
C13.223 Technical Occupations in Civil, Mechanical and Industrial Engineering	90	5.3	8.9	2.1	7.6
C131.2231 Civil Engineering Technologists and Technicians	23	3.2	5.2	2.4	4.4

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
C132.2232 Mechanical Engineering Technologists and Technicians	14	3.4	5.6	3.5	4.7
C133.2233 Industrial Engineering and Manufacturing Technologists and Technicians	12	2.6	3.4	2.9	3.1
C134.2234 Construction Estimators	38	8.6	14.3	1.4	12.6
C14.224 Technical Occupations in Electronics & Electrical Engineering	186	2.2	3.1	3.1	2.7
C141.2241 Electrical and Electronics Engineering Technologists and Technicians	46	1.9	2.8	3.4	2.4
C142.2242 Electronic Service Technicians (Household and Business Equipment)	83	2.4	4.1	4.0	3.3
C143.2243 Industrial Instrument Technicians and Mechanics	44	1.9	1.7	1.2	1.8
C144.2244 Aircraft Instrument Electrical and Avionics Mechanics, Technicians and Inspectors	14	2.3	2.9	2.8	2.7
C15.225 Technical Occupations in Architecture, Drafting, Surveying and Mapping	123	2.4	3.7	3.2	3.1
C151.2251 Architectural Technologists and Technicians	11	3.1	5.3	4.0	4.4
C152.2252 Industrial Designers	-	-	-	-	-
C153.2253 Drafting Technologists and Technicians	61	2.7	4.4	3.6	3.7
C154.2254 Land Survey Technologists and Technicians	-	-	-	-	-
C155.2255 Mapping and Related Technologists and Technicians	36	1.4	1.8	2.4	1.6
C16.226 Other Technical Inspectors and Regulatory Officers	77	2.5	3.5	2.4	3.1
C161.2261 Nondestructive Testers and Inspectors	-	-	-	-	-
C162.2262 Engineering Inspectors and Regulatory Officers	-	-	-	-	-
C163.2263 Inspectors in Public and Environmental Health and Occupational Health and Safety	32	2.3	3.0	2.6	2.7
C164.2264 Construction Inspectors	25	3.0	4.9	1.8	4.1
C17.227 Transportation Officers and Controllers	142	3.9	3.5	3.4	3.8
C171.2271 Air Pilots, Flight Engineers and Flying Instructors	53	2.7	3.1	2.9	3.0
C172.2272 Air Traffic Control and Related Occupations	15	2.8	3.2	2.9	3.1
C173.2273 Deck Officers, Water Transport	45	4.9	3.8	3.7	4.6
C174.2274 Engineer Officers, Water Transport	22	5.4	4.2	4.4	5.0



# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
C175.2275 Railway Traffic Controllers and Marine Traffic Regulators	-	-	-	-	-
C18.228 Technical Occupations in Computer and Information Systems	160	1.8	2.5	3.6	2.2
C181.2281 Computer and Network Operators and Web Technicians	86	1.8	2.5	3.5	2.2
C182.2282 User Support Technicians	65	1.7	2.2	3.4	2.0
C183.2283 Systems Testing Technicians	-	-	-	-	-
<b>D Health occupations</b>	1,591	3.4	3.7	5.3	3.7
<b>D0 Professional occupations in health</b>	367	3.4	3.6	5.5	3.6
<b>D01.311 Physicians Dentists and Veterinarians</b>	183	3.7	4.0	5.4	4.0
D011.3111 Specialist Physicians	41	3.7	3.9	5.3	4.0
D012.3112 General Practitioners and Family Physicians	86	3.8	4.0	5.5	4.0
D013.3113 Dentists	43	3.8	4.0	5.5	4.0
D014.3114 Veterinarians	13	2.5	4.1	4.6	3.4
<b>D02.312 Optometrists, Chiropractors and Other Health Diagnosing and     Treating Professionals</b>	24	3.6	3.9	5.5	3.9
D021.3121 Optometrists	-	-	-	-	-
D022.3122 Chiropractors	12	3.8	4.0	5.5	4.0
D023.3123 Other Professional Occupations in Health Diagnosing and Treating	-	-	-	-	-
<b>D03.313 Pharmacists, Dietitians and Nutritionists</b>	74	2.2	2.5	6.1	2.4
D031.3131 Pharmacists	58	1.9	2.2	6.4	2.1
D032.3132 Dietitians and Nutritionists	16	3.4	3.7	5.3	3.6
<b>D04.314 Therapy and Assessment Professionals</b>	86	3.6	3.8	5.1	3.8
D041.3141 Audiologists and Speech-Language Pathologists	14	3.1	3.1	4.0	3.2
D042.3142 Physiotherapists	37	3.8	4.0	5.5	4.0
D043.3143 Occupational Therapists	20	3.7	3.9	5.3	4.0
D044.3144 Other Professional Occupations in Therapy and Assessment	14	3.5	3.7	5.1	3.7
<b>D1 Nurse supervisors and registered nurses</b>	415	3.7	3.9	5.3	3.9
<b>D11.315 Nurse Supervisors and Registered Nurses</b>	415	3.7	3.9	5.3	3.9
D111.3151 Head Nurses and Supervisors	14	3.5	3.8	5.2	3.8
D112.3152 Registered Nurses	398	3.7	3.9	5.4	4.0

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
D2 Technical and related occupations in health	406	3.3	3.6	5.1	3.5
D21.321 Medical Technologists and Technicians (Except Dental Health)	147	3.5	3.9	5.3	3.8
D211.3211 Medical Laboratory Technologists and Pathologists' Assistants	45	3.5	3.9	5.2	3.8
D212.3212 Medical Laboratory Technicians	35	3.6	3.8	5.2	3.8
D213.3213 Veterinary and Animal Health Technologists and Technicians	17	2.5	4.1	4.8	3.4
D214.3214 Respiratory Therapists, Clinical Perfusionists and Cardio- Pulmonary Technologists	-	-	-	-	-
D215.3215 Medical Radiation Technologists	24	3.7	3.9	5.4	4.0
D216.3216 Medical Sonographers	-	-	-	-	-
D217.3217 Cardiology Technologists	-	-	-	-	-
D218.3218 Electroencephalographic and Other Diagnostic Technologists n.e.c.	-	-	-	-	-
D219.3219 Other Medical Technologists and Technicians (Except Dental Health)	-	-	-	-	-
D22.322 Technical Occupations in Dental Health Care	40	3.5	3.8	5.7	3.8
D221.3221 Denturists	-	-	-	-	-
D222.3222 Dental Hygienists and Dental Therapists	27	3.8	4.0	5.4	4.0
D223.3223 Dental Technologists, Technicians and Laboratory Bench Workers	-	-	-	-	-
D23.323 Other Technical Occupations in Health Care (Except Dental)	218	3.1	3.4	4.9	3.3
D231.3231 Opticians	21	1.8	2.1	6.5	2.0
D232.3232 Midwives and Practitioners of Natural Healing	16	3.3	3.6	5.5	3.5
D233.3233 Licensed Practical Nurses	83	3.7	4.0	5.4	4.0
D234.3234 Ambulance Attendants and Other Paramedical Occupations	67	2.8	2.9	3.4	2.9
D235.3235 Other Technical Occupations in Therapy and Assessment	31	2.7	3.2	5.5	3.0
D3 Assisting occupations in support of health services	402	3.5	3.7	5.5	3.7
D31.341 Assisting Occupations in Support of Health Services	403	3.5	3.7	5.5	3.7
D311.3411 Dental Assistants	67	3.7	4.0	5.4	4.0
D312.3413 Nurse Aides, Orderlies and Patient Service Associates	244	3.7	3.9	5.3	3.9

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
D313.3414 Other Assisting Occupations in Support of Health Services	91	2.7	3.0	5.9	2.9
E Occupations in social science, education, government service & religion	2,871	2.1	2.1	2.4	2.1
E0 Judges, lawyers, psychologists, social workers, ministers of religion and policy and program officers	674	2.0	2.7	3.7	2.4
E01.411 Judges, Lawyers and Quebec Notaries	145	2.2	3.5	4.1	2.9
E011.4111 Judges	-	-	-	-	-
E012.4112 Lawyers and Quebec Notaries	136	2.3	3.7	4.3	3.1
E02.415 Psychologists, Social Workers, Counsellors, Clergy and Probation Officers	270	2.1	2.5	4.1	2.3
E021.4151 Psychologists	30	2.9	2.9	3.8	3.0
E022.4152 Social Workers	94	2.3	2.5	3.4	2.5
E023.4153 Family, Marriage and Other Related Counsellors	74	3.0	3.3	4.8	3.3
E024.4154 Ministers of Religion	54	0.3	1.2	5.4	0.8
E025.4155 Probation and Parole Officers and Related Occupations	21	1.0	1.1	1.1	1.0
E03 Policy and program officers, researchers and consultants	261	1.8	2.4	3.0	2.2
E031.4161 Natural and Applied Science Policy Researchers, Consultants and Program Officers	30	2.0	2.9	3.4	2.5
E032.4162 Economists and Economic Policy Researchers and Analysts	12	1.4	1.9	2.4	1.7
E033.4163 Business Development Officers and Marketing Researchers and Consultants	57	2.0	3.2	4.0	2.7
E034.4164 Social Policy Researchers, Consultants & Program Officers	47	1.6	2.1	2.6	1.9
E035.4166 Education Policy Researchers Consultants & Program Officers	30	1.8	1.6	1.5	1.7
E036.4167 Recreation, Sports and Fitness Program Supervisors and Consultants	27	2.0	2.3	3.2	2.2
E037.4168 Program Officers Unique to Government	19	0.8	0.9	0.8	0.9
E038.4169 Other Professional Occupations in Social Science	-	-	-	-	-
E039.4165 Health Policy Researchers, Consultants & Program Officers	29	2.4	2.9	3.9	2.7
E1 Teachers and professors	1,521	1.8	1.4	1.0	1.6
E11.412 University Professors and Assistants	201	1.8	1.4	1.0	1.6

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## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
E111.4121 University Professors	102	1.8	1.3	0.9	1.6
E112.4122 Post-Secondary Teaching and Research Assistants	99	1.9	1.4	1.1	1.7
E12.413 College and Other Vocational Instructors	239	1.8	1.4	1.2	1.6
E121.4131 College and Other Vocational Instructors	239	1.8	1.4	1.2	1.6
E13.414 Secondary and Elementary School Teachers and Educational Counsellors	1,079	1.8	1.3	0.9	1.6
E131.4141 Secondary School Teachers	427	1.8	1.3	0.9	1.6
E132.4142 Elementary School and Kindergarten Teachers	595	1.8	1.3	0.9	1.6
E133.4143 Educational Counsellors	57	1.8	1.4	1.1	1.6
E2 Paralegals, social services workers and occupations in education and religion n.e.c.	679	2.7	3.0	4.0	2.9
E21.421 Paralegals, Social Services Workers and Occupations in Education and Religion n.e.c.	678	2.7	3.0	4.0	2.9
E211.4211 Paralegal and Related Occupations	60	2.1	3.4	4.0	2.8
E212.4212 Community and Social Service Workers	200	2.6	2.9	4.1	2.8
E213.4213 Employment Counsellors	30	2.3	2.5	3.4	2.5
E214.4215 Instructors and Teachers of Persons with Disabilities	23	2.3	2.0	2.2	2.2
E215.4216 Other Instructors	98	1.8	1.5	1.3	1.7
E216.4217 Other Religious Occupations	12	0.4	1.3	5.2	0.9
E217.4214 Early Childhood Educators and Assistants	255	3.5	3.7	5.1	3.7
F Occupations in art, culture, recreation and sport	714	1.8	2.3	2.7	2.1
F0 Professional Occupations in Art and Culture	301	1.7	2.0	2.1	1.9
F01 Librarians, archivists, conservators and curators	20	1.5	1.9	1.7	1.8
F011.5111 Librarians	14	1.4	1.7	1.6	1.6
F012.5112 Conservators and Curators	-	-	-	-	-
F013.5113 Archivists	-	-	-	-	-
F02.512 Writing, Translating and Public Relations Professionals	120	1.7	2.4	3.0	2.1
F021.5121 Authors and Writers	32	1.9	2.6	2.8	2.3
F022.5122 Editors	13	1.6	2.1	2.3	1.9
F023.5123 Journalists	-	-	-	-	-

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

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	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
F024.5124 Professional Occupations in Public Relations and Communications	51	1.6	2.2	3.1	1.9
F025.5125 Translators, Terminologists and Interpreters	17	2.3	3.4	3.8	2.9
F03.513 Creative and Performing Artists	164	1.7	1.6	1.5	1.7
F031.5131 Producers, Directors, Choreographers & Related Occupations	23	1.6	2.0	1.9	1.8
F032.5132 Conductors, Composers and Arrangers	-	-	-	-	-
F033.5133 Musicians and Singers	78	1.7	1.4	1.3	1.6
F034.5134 Dancers	20	1.8	1.4	1.1	1.6
F035.5135 Actors and Comedians	13	1.6	1.9	1.6	1.7
F036.5136 Painters, Sculptors and Other Visual Artists	27	1.7	1.9	2.0	1.8
F1 Technical occupations in art, culture, recreation and sport	409	1.9	2.6	3.1	2.3
F11.521 Technical Occupations in Libraries, Archives, Museums and Art Galleries	30	1.8	2.1	1.5	2.0
F111.5211 Library and Archive Technicians and Assistants	23	1.6	1.5	1.4	1.6
F112.5212 Technical Occupations Related to Museums and Art Galleries	-	-	-	-	-
F12.522 Photographers, Graphic Arts Technicians & Technical & coordinating Occupations in Motion Pictures, Broadcasting & Performing Arts	69	1.9	2.9	3.1	2.5
F121.5221 Photographers	23	2.3	3.9	4.7	3.2
F122.5222 Film and Video Camera Operators	-	-	-	-	-
F123.5223 Graphic Arts Technicians	-	-	-	-	-
F124.5224 Broadcast Technicians	-	-	-	-	-
F125.5225 Audio and Video Recording Technicians	-	-	-	-	-
F126.5226 Other Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts	12	1.5	1.9	2.2	1.7
F127.5227 Support Occupations in Motion Pictures, Broadcasting and the Performing Arts	12	1.7	2.2	1.8	2.0
F13.523 Announcers and Other Performers	15	1.3	1.9	2.4	1.6
F131.5231 Announcers and Other Broadcasters	11	1.5	2.0	2.3	1.8
F132.5232 Other Performers	-	-	-	-	-
F14.524 Creative Designers and Craftspersons	149	2.3	3.6	4.7	3.0

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## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
F141.5241 Graphic Designers and Illustrators	69	2.3	3.6	4.4	3.0
F142.5242 Interior Designers	25	3.2	5.4	4.4	4.5
F143.5243 Theatre, Fashion, Exhibit and Other Creative Designers	15	2.1	3.3	4.7	2.8
F144.5244 Artisans and Craftspersons	39	1.7	2.4	5.4	2.1
F145.5245 Patternmakers - Textile, Leather and Fur Products	-	-	-	-	-
F15.525 Athletes, Coaches, Referees and Related Occupations	146	1.5	1.6	1.9	1.6
F151.5251 Athletes	-	-	-	-	-
F152.5252 Coaches	20	1.7	1.4	1.2	1.5
F153.5253 Sports Officials and Referees	-	-	-	-	-
F154.5254 Program Leaders and Instructors in Recreation and Sport	115	1.5	1.6	2.0	1.5
<b>G Sales and service occupations</b>	7,366	1.4	2.1	4.8	1.8
<b>G0 Sales and service supervisors</b>	213	1.4	2.1	5.3	1.8
<b>G01.621 Sales and Service Supervisors</b>	213	1.4	2.1	5.3	1.8
G011.6211 Retail Trade Supervisors	104	1.6	2.0	6.2	1.8
G012.6212 Food Service Supervisors	71	1.0	2.2	4.9	1.6
G013.6213 Executive Housekeepers	-	-	-	-	-
G014.6214 Dry Cleaning and Laundry Supervisors	-	-	-	-	-
G015.6215 Cleaning Supervisors	-	-	-	-	-
G016.6216 Other Service Supervisors	15	1.6	2.7	3.5	2.2
<b>G1 Wholesale, technical, insurance, real estate sales specialists and retail,</b>					
wholesale and grain buyers	440	1.7	2.7	4.5	2.2
<b>G11.641 Sales Representatives, Wholesale Trade</b>	241	1.7	2.8	4.1	2.3
G111.6411 Sales Representatives - Wholesale Trade (Non-Technical)	240	1.7	2.8	4.2	2.3
<b>G12.622 Technical Sales Specialists, Wholesale Trade</b>	62	2.0	3.5	4.4	2.8
G121.6221 Technical Sales Specialists - Wholesale Trade	61	2.0	3.5	4.4	2.8
<b>G13.623 Insurance and Real Estate Sales Occupations and Buyers</b>	138	1.6	2.1	5.3	1.9
G131.6231 Insurance Agents and Brokers	89	1.3	1.5	5.6	1.4
G132.6232 Real Estate Agents and Salespersons	-	-	-	-	-
G133.6233 Retail and Wholesale Buyers	41	1.7	2.2	5.5	2.0
G134.6234 Grain Elevator Operators	-	-	-	-	-

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## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
<b>G2 Retail salespersons and sales clerks</b>	1,329	1.6	2.0	6.3	1.8
<b>G21.642 Retail Salespersons and Sales Clerks</b>	1,331	1.6	2.0	6.2	1.8
<b>G211.6421 Retail Salespersons and Sales Clerks</b>	1,331	1.6	2.0	6.2	1.8
<b>G3 Cashiers</b>	599	1.5	1.9	6.1	1.7
<b>G31.661 Cashiers</b>	599	1.5	1.9	6.1	1.7
<b>G311.6611 Cashiers</b>	599	1.5	1.9	6.1	1.7
<b>G4 Chefs and cooks</b>	506	0.9	2.1	4.8	1.5
<b>G41.624 Chefs and Cooks</b>	506	0.9	2.1	4.8	1.5
<b>G411.6241 Chefs</b>	93	0.8	2.0	4.8	1.4
<b>G412.6242 Cooks</b>	413	1.0	2.1	4.8	1.6
<b>G5 Occupations in food and beverage service</b>	614	0.6	2.0	5.0	1.3
<b>G51.645 Occupations in Food and Beverage Service</b>	613	0.6	2.0	5.0	1.3
<b>G511.6451 Maîtres d'hôtel and Hosts/Hostesses</b>	55	0.7	2.0	5.0	1.4
<b>G512.6452 Bartenders</b>	82	0.6	1.9	5.0	1.2
<b>G513.6453 Food and Beverage Servers</b>	477	0.7	2.0	5.0	1.3
<b>G6 Occupations in protective services</b>	522	1.0	1.1	1.3	1.1
<b>G61.626 Police Officers and Fire-fighters</b>	263	0.9	0.9	0.8	0.9
<b>G611.6261 Police Officers (Except Commissioned)</b>	167	0.9	1.0	0.9	0.9
<b>G612.6262 Fire-fighters</b>	97	0.8	0.9	0.8	0.8
<b>G62.646 Other Occupations in Protective Service</b>	200	1.0	1.1	1.3	1.1
<b>G621.6461 Sheriffs and Bailiffs</b>	13	1.1	1.4	1.4	1.2
<b>G622.6462 Correctional Service Officers</b>	66	0.9	1.0	0.9	1.0
<b>G623.6463 By-law Enforcement and Other Regulatory Officers n.e.c.</b>	19	1.0	1.2	2.0	1.2
<b>G624.6464 Other Ranks Armed Forces</b>	80	0.8	0.9	0.8	0.9
<b>G625.6465 Other Protective Service Occupations</b>	21	1.6	2.0	4.0	1.8
<b>G63.665 Security Guards and Related Occupations</b>	59	1.6	1.9	3.5	1.7
<b>G631.6651 Security Guards and Related Occupations</b>	58	1.6	1.9	3.5	1.7
<b>G7 Occupations in travel and accommodation including attendants in recreation and sport</b>	272	2.1	2.9	3.6	2.6
<b>G71.643 Occupations in Travel and Accommodation</b>	191	2.3	3.2	3.9	2.8

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### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
G711.6431 Travel Counsellors	-	-	-	-	-
G712.6432 Purser and Flight Attendants	61	3.1	3.7	3.3	3.5
G713.6433 Airline Sales and Service Agents	49	2.9	3.7	3.3	3.4
G714.6434 Ticket Agents, Cargo Service Representatives and Related Clerks (Except Airline)	16	4.7	4.1	4.0	4.6
G715.6435 Hotel Front Desk Clerks	59	0.5	1.9	5.0	1.2
G72.644 Tour and Recreational Guides and Casino Occupations	37	1.6	2.2	2.9	1.9
G721.6441 Tour and Travel Guides	11	1.9	2.6	3.0	2.3
G722.6442 Outdoor Sport and Recreational Guides	14	1.6	2.1	3.9	1.8
G723.6443 Casino Occupations	14	1.7	2.0	1.8	1.9
G73.667 Other Occupations in Travel, Accommodation, Amusement and Recreation	42	1.6	2.1	2.9	1.9
G731.6671 Operators and Attendants in Amusement, Recreation and Sport	23	1.2	1.5	1.7	1.4
G732.6672 Other Attendants in Accommodation and Travel	19	2.1	2.8	4.2	2.5
G8 Childcare and home support workers	638	2.2	2.4	3.7	2.3
G81.647 Childcare and Home Support Workers	637	2.2	2.4	3.7	2.3
G811.6471 Visiting Homemakers, Housekeepers & Related Occupations	210	3.2	3.6	5.1	3.5
G812.6472 Elementary and Secondary School Teacher Assistants	246	1.8	1.4	1.0	1.6
G814.6474 Babysitters, Nannies and Parents' Helpers	184	1.6	2.3	5.4	2.0
G9 Sales and service occupations n.e.c.	2,233	1.4	2.1	4.9	1.8
G91.627 Technical Occupations in Personal Service	145	0.2	1.1	5.6	0.6
G911.6271 Hairstylists and Barbers	139	0.2	1.1	5.6	0.6
G912.6272 Funeral Directors and Embalmers	-	-	-	-	-
G92.648 Other Occupations in Personal Service	81	0.5	1.3	5.5	0.9
G921.6481 Image, Social and Other Personal Consultants	-	-	-	-	-
G922.6482 Estheticians, Electrologists and Related Occupations	47	0.4	1.2	5.7	0.9
G923.6483 Pet Groomers and Animal Care Workers	25	0.5	1.4	5.2	0.9
G924.6484 Other Personal Service Occupations	-	-	-	-	-
G93.666 Cleaners	578	1.8	2.5	3.6	2.2



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### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
G931.6661 Light Duty Cleaners	213	1.6	2.6	4.8	2.2
G932.6662 Specialized Cleaners	52	2.0	3.3	4.9	2.7
G933.6663 Janitors, Caretakers and Building Superintendents	313	1.9	2.2	2.6	2.1
G94.625 Butchers and Bakers	228	2.1	2.5	4.5	2.4
G941.6251 Butchers and Meat Cutters - Retail and Wholesale	61	1.6	1.9	6.3	1.8
G942.6252 Bakers	166	2.3	2.7	3.8	2.6
G96.664 Food Counter Attendants, Kitchen Helpers and Related Occupations	627	1.0	2.2	4.9	1.6
G961.6641 Food Counter Attendants, Kitchen Helpers and Related Occupations	627	1.0	2.2	4.9	1.6
G97.662 Other Sales and Related Occupations	497	1.5	1.9	6.5	1.7
G971.6621 Service Station Attendants	79	1.5	1.8	6.6	1.7
G972.6622 Grocery Clerks and Store Shelf Stockers	314	1.5	1.8	6.6	1.7
G973.6623 Other Elemental Sales Occupations	103	1.6	2.2	6.0	1.9
G98.668 Other Elemental Service Occupations	80	1.2	1.9	5.0	1.6
G981.6681 Dry Cleaning and Laundry Occupations	38	1.3	2.1	5.3	1.8
G982.6682 Ironing, Pressing and Finishing Occupations	-	-	-	-	-
G983.6683 Other Elemental Service Occupations	36	1.1	1.8	4.6	1.5
H Trades, transport and equipment operators and related occupations	5,897	4.1	6.8	2.3	5.7
H0 Contractors and supervisors in trades and transportation	292	6.3	10.3	1.8	8.9
H01.721 Contractors and Supervisors, Trades and Related Workers	271	6.5	10.8	1.7	9.4
H011.7211 Supervisors, Machinists and Related Occupations	11	1.3	1.5	2.0	1.4
H012.7212 Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	27	6.9	11.5	1.9	10.0
H013.7213 Contractors and Supervisors, Pipefitting Trades	15	7.2	11.9	1.4	10.4
H014.7214 Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades	26	3.0	4.9	1.4	4.1
H015.7215 Contractors and Supervisors, Carpentry Trades	36	9.2	15.2	1.3	13.6
H016.7216 Contractors and Supervisors, Mechanic Trades	34	2.5	3.7	3.5	3.2

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### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
H017.7217 Contractors and Supervisors, Heavy Construction Equipment Crews	66	7.3	11.8	1.5	10.4
H018.7218 Supervisors, Printing and Related Occupations	-	-	-	-	-
H019.7219 Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	51	9.3	15.3	1.2	13.8
H02.722 Supervisors, Railway and Motor Transportation Occupations	22	2.9	2.9	3.0	3.0
H021.7221 Supervisors, Railway Transport Operations	-	-	-	-	-
H022.7222 Supervisors, Motor Transport & Other Ground Transit Operators	15	1.5	2.5	2.7	2.0
H1 Construction trades	1,130	8.3	13.7	1.3	12.2
H11.725 Plumbers, Pipefitters and Gas Fitters	208	6.6	10.8	1.2	9.4
H111.7251 Plumbers	103	8.6	14.3	1.2	12.7
H112.7252 Steamfitters, Pipefitters and Sprinkler System Installers	86	4.2	6.4	1.2	5.5
H113.7253 Gas Fitters	18	6.7	11.4	1.8	9.8
H12.727 Carpenters and Cabinetmakers	460	8.3	13.7	1.3	12.2
H121.7271 Carpenters	433	8.5	14.1	1.3	12.5
H122.7272 Cabinetmakers	26	4.9	8.5	3.4	7.1
H13.728 Masonry and Plastering Trades	175	9.2	15.2	1.1	13.6
H131.7281 Bricklayers	30	8.7	14.4	1.1	12.8
H132.7282 Concrete Finishers	31	8.1	13.6	1.1	11.9
H133.7283 Tilesetters	23	9.8	16.1	1.1	14.5
H134.7284 Plasterers, Drywall Installers and Finishers and Lathers	92	9.5	15.7	1.0	14.1
H14.729 Other Construction Trades	290	8.9	14.7	1.3	13.1
H141.7291 Roofers and Shinglers	60	9.0	15.0	1.1	13.4
H142.7292 Glaziers	25	6.9	11.9	2.3	10.2
H143.7293 Insulators	19	8.8	14.3	1.2	12.8
H144.7294 Painters and Decorators	139	9.1	14.9	1.2	13.3
H145.7295 Floor Covering Installers	49	9.0	14.9	1.4	13.3
H2 Stationary engineers, power station operators and electrical trades and telecommunications occupations	469	4.5	7.1	1.8	6.1

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### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
H21.724 Electrical Trades and Telecommunications Occupations	380	5.2	8.4	1.8	7.2
H211.7241 Electricians (Except Industrial and Power System)	175	7.7	12.8	1.4	11.2
H212.7242 Industrial Electricians	123	2.8	3.8	2.7	3.4
H213.7243 Power System Electricians	11	2.4	3.8	1.4	3.2
H214.7244 Electrical Power Line and Cable Workers	21	3.2	4.9	1.6	4.2
H215.7245 Telecommunications Line and Cable Workers	14	4.8	8.0	1.6	6.7
H216.7246 Telecommunications Installation and Repair Workers	26	2.5	3.8	2.2	3.2
H217.7247 Cable Television Service and Maintenance Technicians	-	-	-	-	-
H22.735 Stationary Engineers and Power Station and System Operators	89	1.7	1.3	1.5	1.5
H221.7351 Stationary Engineers and Auxiliary Equipment Operators	79	1.8	1.3	1.5	1.6
H222.7352 Power Systems and Power Station Operators	-	-	-	-	-
H3 Machinists, metal forming, shaping and erecting occupations	395	3.0	4.7	2.2	4.0
H31.723 Machinists and Related Occupations	67	1.4	1.6	3.0	1.5
H311.7231 Machinists and Machining and Tooling Inspectors	61	1.3	1.6	3.0	1.5
H312.7232 Tool and Die Makers	-	-	-	-	-
H32.726 Metal Forming, Shaping and Erecting Trades	326	3.4	5.3	2.1	4.5
H321.7261 Sheet Metal Workers	36	7.1	12.0	1.7	10.4
H322.7262 Boilermakers	-	-	-	-	-
H323.7263 Structural Metal and Platework Fabricators and Fitters	36	1.4	2.0	2.5	1.8
H324.7264 Ironworkers	30	6.0	10.2	1.3	8.7
H325.7266 Blacksmiths and Die Setters	-	-	-	-	-
H326.7265 Welders and Related Machine Operators	218	2.7	3.9	2.2	3.4
H4 Mechanics	968	1.9	2.6	3.6	2.3
H41.731 Machinery and Transportation Equipment Mechanics (Except Motor Vehicle)	633	2.4	3.0	2.7	2.8
H411.7311 Construction Millwrights and Industrial Mechanics (Except Textile)	332	1.7	1.9	2.7	1.8
H412.7312 Heavy-Duty Equipment Mechanics	183	2.4	2.7	2.9	2.7
H413.7313 Refrigeration and Air Conditioning Mechanics	28	6.2	10.6	1.7	9.0
H414.7314 Railway Carmen/women	12	5.0	3.3	3.3	4.3

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	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
H415.7315 Aircraft Mechanics and Aircraft Inspectors	53	2.6	3.1	3.0	2.9
H416.7316 Machine Fitters	11	1.3	1.5	2.6	1.4
H417.7317 Textile Machinery Mechanics and Repairers	0	-	-	-	-
H418.7318 Elevator Constructors and Mechanics	11	9.5	15.7	1.1	14.1
H42.732 Automotive service technicians	292	0.8	1.6	5.3	1.2
H421.7321 Automotive Service Technicians, Truck Mechanics and Mechanical Repairers	224	0.9	1.7	5.3	1.3
H422.7322 Motor Vehicle Body Repairers	65	0.4	1.3	5.7	0.9
H43.733 Other Mechanics	46	1.7	3.0	4.6	2.4
H431.7331 Oil and Solid Fuel Heating Mechanics	-	-	-	-	-
H432.7332 Electric Appliance Servicers and Repairers	22	1.3	2.5	4.6	2.0
H433.7333 Electrical Mechanics	-	-	-	-	-
H434.7334 Motorcycle and Other Related Mechanics	-	-	-	-	-
H435.7335 Other Small Engine and Equipment Mechanics	11	1.1	1.7	4.7	1.4
H5 Other trades n.e.c.	250	2.7	4.8	4.0	3.9
H51.734 Upholsterers, Tailors, Shoe Repairers, Jewellers and Related Occupations	44	1.0	1.8	6.0	1.4
H511.7341 Upholsterers	-	-	-	-	-
H512.7342 Tailors, Dressmakers, Furriers and Milliners	26	1.1	2.1	6.3	1.6
H513.7343 Shoe Repairers and Shoemakers	-	-	-	-	-
H514.7344 Jewellers, Watch Repairers and Related Occupations	-	-	-	-	-
H52.738 Printing Press Operators, Commercial Divers and Other Trades and Related Occupations n.e.c.	75	1.1	1.7	4.7	1.4
H521.7381 Printing Press Operators	15	1.8	2.3	4.3	2.1
H522.7382 Commercial Divers	-	-	-	-	-
H523.7383 Other Trades and Related Occupations	56	0.8	1.5	4.8	1.2
H53.744 Other installers, repairers and servicers	132	4.3	7.3	3.2	6.1
H531.7441 Residential and Commercial Installers and Servicers	54	8.3	13.9	1.6	12.3
H532.7442 Waterworks and Gas Maintenance Workers	13	1.6	2.3	1.6	2.0
H533.7443 Automotive Mechanical Installers and Servicers	31	1.3	1.7	5.1	1.5

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	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
H534.7444 Pest Controllers and Fumigators	-	-	-	-	-
H535.7445 Other Repairers and Servicers	32	1.5	2.3	5.5	1.9
H6 Heavy equipment and crane operators including drillers	366	5.1	7.8	2.0	6.9
H61.742 Heavy Equipment Operators	282	5.6	8.5	2.1	7.5
H611.7421 Heavy Equipment Operators (Except Crane)	261	5.8	8.8	2.1	7.8
H612.7422 Public Works Maintenance Equipment Operators	21	2.9	4.7	1.7	3.9
H62.737 Crane Operators, Drillers and Blasters	85	3.6	5.5	1.5	4.7
H621.7371 Crane Operators	64	2.5	3.9	1.2	3.3
H622.7372 Drillers and Blasters - Surface Mining Quarrying and Construction	17	6.8	9.4	2.7	8.7
H623.7373 Water Well Drillers	-	-	-	-	-
H7 Transportation equipment operators and related workers, excluding labourers	1,211	1.7	2.8	2.8	2.3
H71.741 Motor Vehicle and Transit Drivers	1,046	1.3	2.7	2.8	2.0
H711.7411 Truck Drivers	703	0.9	2.6	2.4	1.7
H712.7412 Bus Drivers and Subway and Other Transit Operators	122	2.5	3.1	2.9	2.9
H713.7413 Taxi and Limousine Drivers and Chauffeurs	69	2.9	3.6	3.2	3.4
H714.7414 Delivery and Courier Service Drivers	152	1.6	2.6	4.2	2.1
H72.736 Train Crew Operating Occupations	36	5.0	3.3	3.2	4.3
H721.7361 Railway and Yard Locomotive Engineers	19	5.0	3.4	3.1	4.4
H722.7362 Railway Conductors and Brakemen/women	17	5.2	3.3	3.4	4.4
H73.743 Other Transport Equipment Operators and Related Workers	125	4.4	3.7	3.5	4.2
H731.7431 Railway Yard Workers	-	-	-	-	-
H732.7432 Railway Track Maintenance Workers	12	4.7	3.4	3.1	4.2
H733.7433 Deck Crew Water Transport	35	4.6	3.6	3.6	4.3
H734.7434 Engine Room Crew, Water Transport	-	-	-	-	-
H735.7435 Lock and Cable Ferry Operators and Related Occupations	23	6.4	5.0	4.3	6.0
H736.7436 Boat Operators	19	3.0	2.0	2.6	2.6
H737.7437 Air Transport Ramp Attendants	29	2.9	3.6	3.2	3.3

# Northwest College Region

## Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
<b>H8 Trades helpers, construction and transportation labourers and related occupations</b>	814	3.9	6.4	2.5	5.4
H81.745 Longshore Workers and Material Handlers	487	1.7	2.1	3.4	1.9
H811.7451 Longshore Workers	52	2.9	3.1	3.0	3.1
H812.7452 Material Handlers	434	1.6	2.0	3.5	1.8
H82.761 Trades Helpers and Labourers	281	8.0	13.3	1.4	11.7
H821.7611 Construction Trades Helpers and Labourers	256	8.6	14.2	1.3	12.6
H822.7612 Other Trades Helpers and Labourers	25	2.2	3.7	2.6	3.1
H83.762 Public Works and Other Labourers n.e.c.	47	2.5	3.9	1.8	3.3
H831.7621 Public Works and Maintenance Labourers	35	2.6	4.1	1.5	3.4
H832.7622 Railway and Motor Transport Labourers	12	2.3	3.5	2.9	3.0
<b>I Occupations unique to primary industry</b>	1,642	1.7	0.8	2.5	1.3
<b>I0 Occupations unique to agriculture, excluding labourers</b>	464	1.1	0.7	3.9	0.9
<b>I01.825 Contractors, Operators and Supervisors in Agriculture, Horticulture and Aquaculture</b>	255	1.1	0.8	3.9	0.9
I011.8251 Farmers and Farm Managers	180	0.9	0.4	4.3	0.7
I012.8252 Agricultural and Related Service Contractors and Managers	-	-	-	-	-
I013.8253 Farm Supervisors and Specialized Livestock Workers	14	1.1	1.0	3.9	1.1
I014.8254 Nursery and Greenhouse Operators and Managers	20	1.2	0.4	3.1	0.8
I015.8255 Landscaping & Grounds Maintenance Contractors & Managers	-	-	-	-	-
I016.8256 Supervisors, Landscape and Horticulture	15	1.2	1.4	1.9	1.4
I017.8257 Aquaculture Operators and Managers	13	1.5	1.0	3.5	1.2
<b>I02.843 Agriculture and Horticulture Workers</b>	209	1.0	0.5	3.9	0.8
I021.8431 General Farm Workers	137	1.0	0.5	4.1	0.8
I022.8432 Nursery and Greenhouse Workers	74	1.1	0.5	3.6	0.8
<b>I1 Occupations unique to forestry operations, mining, oil and gas extraction and fishing excluding labourers</b>	762	2.0	0.8	2.2	1.4
I11.821 Supervisors, Logging and Forestry	96	1.5	0.1	0.6	0.8
I111.8211 Supervisors, Logging and Forestry	95	1.5	0.1	0.5	0.8
I12.822 Supervisors, Mining, Oil and Gas	21	6.5	6.9	8.2	7.2

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### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
I121.8221 Supervisors, Mining and Quarrying	16	6.4	6.8	8.0	7.0
I122.8222 Supervisors, Oil and Gas Drilling and Service	-	-	-	-	-
I13.823 Underground Miners, Oil and Gas Drillers and Related Workers	22	7.1	7.3	8.6	7.8
I131.8231 Underground Production and Development Miners	17	7.4	7.6	8.9	8.0
I132.8232 Oil and Gas Well Drillers, Servicers, Testers and Related Workers	-	-	-	-	-
I14.841 Mine Service Workers and Operators in Oil and Gas Drilling	15	5.7	6.3	6.4	6.3
I141.8411 Underground Mine Service and Support Workers	-	-	-	-	-
I142.8412 Oil and Gas Well Drilling Workers and Services Operators	-	-	-	-	-
I15.824 Logging Machinery Operators	168	1.6	0.1	0.3	0.9
I151.8241 Logging Machinery Operators	168	1.6	0.1	0.3	0.9
I16.842 Logging and Forestry Workers	274	1.7	-0.2	-0.5	0.8
I161.8421 Chain-saw and Skidder Operators	180	1.7	-0.2	-0.5	0.8
I162.8422 Silviculture and Forestry Workers	93	1.7	-0.1	-0.4	0.8
I17.826 Fishing Vessel Masters and Skippers and Fishermen/women	132	1.6	1.4	7.0	1.5
I171.8261 Fishing Masters and Officers	12	1.6	1.4	7.0	1.5
I172.8262 Fishing Vessel Skippers and Fishermen/women	120	1.6	1.4	7.0	1.5
I18.844 Other Fishing and Trapping Occupations	35	1.7	1.4	6.8	1.6
I181.8441 Fishing Vessel Deckhands	30	1.7	1.4	6.7	1.6
I182.8442 Trappers and Hunters	-	-	-	-	-
I2 Primary production labourers	417	1.8	0.9	1.5	1.4
I21.861 Primary Production Labourers	417	1.8	0.9	1.5	1.4
I211.8611 Harvesting Labourers	21	0.9	0.3	3.9	0.6
I212.8612 Landscaping and Grounds Maintenance Labourers	81	1.6	2.4	2.2	2.1
I213.8613 Aquaculture and Marine Harvest Labourers	24	1.5	1.1	5.5	1.3
I214.8614 Mine Labourers	14	5.3	5.7	6.4	5.8
I215.8615 Oil and Gas Drilling, Servicing and Related Labourers	-	-	-	-	-
I216.8616 Logging and Forestry Labourers	265	1.6	-0.1	0.0	0.7
J Occupations unique to processing, manufacturing and utilities	3,456	1.7	1.5	2.7	1.6
J0 Supervisors in manufacturing	301	1.5	1.4	2.5	1.4

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### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
J01.921 Supervisors, Processing Occupations	275	1.4	1.3	2.5	1.4
J011.9211 Supervisors, Mineral and Metal Processing	64	0.8	0.8	0.7	0.8
J012.9212 Supervisors, Petroleum, Gas and Chemical Processing and Utilities	16	1.3	1.3	1.6	1.3
J013.9213 Supervisors, Food, Beverage and Tobacco Processing	50	3.3	2.5	1.9	3.0
J014.9214 Supervisors, Plastic and Rubber Products Manufacturing	-	-	-	-	-
J015.9215 Supervisors, Forest Products Processing	141	1.0	1.0	3.6	1.0
J016.9216 Supervisors, Textile Processing	-	-	-	-	-
J02.922 Supervisors, Assembly and Fabrication	25	1.7	2.4	3.1	2.1
J021.9221 Supervisors, Motor Vehicle Assembling	-	-	-	-	-
J022.9222 Supervisors, Electronics Manufacturing	-	-	-	-	-
J023.9223 Supervisors, Electrical Products Manufacturing	-	-	-	-	-
J024.9224 Supervisors, Furniture and Fixtures Manufacturing	-	-	-	-	-
J025.9225 Supervisors, Fabric, Fur and Leather Products Manufacturing	-	-	-	-	-
J026.9226 Supervisors, Other Mechanical and Metal Products Manufacturing	-	-	-	-	-
J027.9227 Supervisors, Other Products Manufacturing and Assembly	-	-	-	-	-
J1 Machine operators in manufacturing	1,618	1.7	1.4	2.6	1.6
J11.923 Central Control and Process Operators in Manufacturing and Processing	139	1.6	1.1	0.8	1.3
J111.9231 Central Control & Process Operators Mineral & Metal Processing	68	0.8	0.6	0.6	0.7
J112.9232 Petroleum, Gas and Chemical Process Operators	-	-	-	-	-
J113.9233 Pulping Control Operators	24	2.3	1.4	0.5	1.9
J114.9234 Papermaking and Coating Control Operators	39	2.2	1.3	0.7	1.8
J12.941 Machine Operators and Related Workers in Metal and Mineral Products Processing	217	1.0	1.1	1.0	1.1
J121.9411 Machine Operators, Mineral and Metal Processing	110	0.9	0.8	0.9	0.9
J122.9412 Foundry Workers	86	0.6	0.4	0.4	0.5



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### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
J123.9413 Glass Forming and Finishing Machine Operators and Glass Cutters	-	-	-	-	-
J124.9414 Concrete, Clay and Stone Forming Operators	-	-	-	-	-
J125.9415 Inspectors and Testers, Mineral and Metal Processing	-	-	-	-	-
J13.942 Machine Operators and Related Workers in Chemical, Plastic and Rubber Processing	31	1.4	1.5	1.9	1.5
J131.9421 Chemical Plant Machine Operators	15	1.0	0.8	1.1	0.9
J132.9422 Plastics Processing Machine Operators	-	-	-	-	-
J133.9423 Rubber Processing Machine Operators and Related Workers	-	-	-	-	-
J134.9424 Water and Waste Plant Operators	11	1.7	2.0	2.3	1.9
J14.943 Machine Operators and Related Workers in Pulp and Paper Production and Wood Processing	639	0.9	1.0	3.9	0.9
J141.9431 Sawmill Machine Operators	286	0.4	0.9	5.0	0.7
J142.9432 Pulp Mill Machine Operators	70	2.3	1.3	0.6	1.8
J143.9433 Papermaking and Finishing Machine Operators	41	2.2	1.3	0.8	1.8
J144.9434 Other Wood Processing Machine Operators	57	0.8	1.2	4.3	1.0
J145.9435 Paper Converting Machine Operators	29	2.2	1.3	0.8	1.7
J146.9436 Lumber Graders and Other Wood Processing Inspectors and Graders	156	0.5	0.8	4.8	0.6
J15.944 Machine Operators and Related Workers in Textile Processing	-	-	-	-	-
J151.9441 Textile Fibre and Yarn Preparation Machine Operators	-	-	-	-	-
J152.9442 Weavers, Knitters and Other Fabric-Making Occupations	-	-	-	-	-
J153.9443 Textile Dyeing and Finishing Machine Operators	-	-	-	-	-
J154.9444 Textile Inspectors, Graders and Samplers	-	-	-	-	-
J16.945 Machine Operators and Related Workers in Fabric, Fur and Leather Products Manufacturing	29	1.6	2.3	5.9	2.0
J161.9451 Sewing Machine Operators	26	1.6	2.4	6.0	2.0
J162.9452 Fabric, Fur and Leather Cutters	-	-	-	-	-
J163.9453 Hide and Pelt Processing Workers	0	-	-	-	-

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### Projected Annual Growth Rates in Occupational Demand

	Estimated Employment	Average Annual % Change			Avg Annual % Chg Over 4 Years
	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
J164.9454 Inspectors and Testers, Fabric, Fur and Leather Products Manufacturing	-	-	-	-	-
J17.946 Machine Operators and Related Workers in Food, Beverage and Tobacco Processing	425	3.6	2.2	1.5	3.0
J171.9461 Process Control and Machine Operators, Food and Beverage Processing	81	2.9	3.1	2.6	3.1
J172.9462 Industrial Butchers and Meat Cutters, Poultry Preparers and Related Workers	51	2.9	3.1	2.4	3.1
J173.9463 Fish Plant Workers	267	4.0	1.7	1.0	2.9
J174.9464 Tobacco Processing Machine Operators	0	-	-	-	-
J175.9465 Testers and Graders, Food and Beverage Processing	26	3.5	2.1	1.7	2.9
J18.947 Printing Machine Operators and Related Occupations	43	1.3	1.9	5.6	1.6
J181.9471 Printing Machine Operators	-	-	-	-	-
J182.9472 Camera, Platemaking and Other Pre-Press Occupations	-	-	-	-	-
J183.9473 Binding and Finishing Machine Operators	-	-	-	-	-
J184.9474 Photographic and Film Processors	25	0.9	1.6	5.9	1.3
J19.951 Machining, Metalworking, Woodworking and Related Machine Operators	85	1.0	1.2	2.2	1.1
J191.9511 Machining Tool Operators	-	-	-	-	-
J192.9512 Forging Machine Operators	-	-	-	-	-
J193.9513 Woodworking Machine Operators	19	1.2	2.2	4.9	1.7
J194.9514 Metalworking Machine Operators	26	0.8	0.7	1.0	0.7
J196.9516 Other Metal Products Machine Operators.	23	0.8	0.7	0.7	0.7
J197.9517 Other Products Machine Operators	-	-	-	-	-
J2 Assemblers in manufacturing	151	2.1	3.3	4.4	2.8
J21.948 Mechanical, Electrical and Electronics Assemblers	42	1.8	2.6	4.6	2.3
J211.9481 Aircraft Assemblers and Aircraft Assembly Inspectors	-	-	-	-	-
J212.9482 Motor Vehicle Assemblers, Inspectors and Testers	-	-	-	-	-
J213.9483 Electronics Assemblers, Fabricators, Inspectors and Testers	11	1.4	2.3	5.1	1.9

## Northwest College Region

### Projected Annual Growth Rates in Occupational Demand

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	<u>2005</u>	<u>2007/2005</u>	<u>2009/2007</u>	<u>2010/2009</u>	<u>2009/2005</u>
J214.9484 Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing	-	-	-	-	-
J215.9485 Assemblers, Fabricators and Inspectors, Industrial Electrical Motors and Transformers	-	-	-	-	-
J216.9486 Mechanical Assemblers and Inspectors	12	1.9	2.4	3.2	2.2
J217.9487 Machine Operators and Inspectors, Electrical Apparatus Manufacturing	-	-	-	-	-
J22.949 Other Assembly and Related Occupations	108	2.3	3.7	4.3	3.1
J221.9491 Boat Assemblers and Inspectors	12	1.9	2.6	4.7	2.3
J222.9492 Furniture and Fixture Assemblers and Inspectors	25	2.3	3.8	5.3	3.1
J223.9493 Other Wood Products Assemblers and Inspectors	28	1.8	3.1	4.0	2.5
J224.9494 Furniture Finishers and Refinishers	-	-	-	-	-
J225.9495 Plastic Products Assemblers, Finishers and Inspectors	-	-	-	-	-
J226.9496 Painters and Coaters - Industrial	28	3.4	5.0	2.7	4.4
J227.9497 Plating, Metal Spraying and Related Operators	-	-	-	-	-
J228.9498 Other Assemblers and Inspectors	-	-	-	-	-
J3 Labourers in processing, manufacturing and utilities	1,390	1.8	1.4	2.8	1.6
J31.961 Labourers in Processing, Manufacturing and Utilities	1,390	1.8	1.5	2.8	1.6
J311.9611 Labourers in Mineral and Metal Processing	137	0.7	0.6	0.6	0.7
J312.9612 Labourers in Metal Fabrication	43	1.1	1.4	1.3	1.3
J313.9613 Labourers in Chemical Products Processing and Utilities	25	0.7	0.6	0.6	0.7
J314.9614 Labourers in Wood Pulp and Paper Processing	656	0.8	1.0	4.1	0.9
J315.9615 Labourers in Rubber and Plastic Products Manufacturing	-	-	-	-	-
J316.9616 Labourers in Textile Processing	-	-	-	-	-
J317.9617 Labourers in Food Beverage and Tobacco Processing	209	2.8	3.0	2.7	3.0
J318.9618 Labourers in Fish Processing	263	4.0	1.7	1.0	2.9
J319.9619 Other Labourers in Processing, Manufacturing and Utilities	55	2.2	2.4	3.4	2.3

- suppressed due to small numbers