

WORKBC INDUSTRY OUTLOOK PROFILE

FORESTRY AND LOGGING (NAICS¹ 113)

About this report

This is a summary of forecast information available about this industry in the B.C. Labour Market Outlook 2018 edition forecast. An overview of this forecast is provided in the main report which is available at: www.workbc.ca/labourmarketoutlook. The raw data is available at: [BC Data Catalogue](#).

1. Outlook Highlights

The Forestry and Logging industry comprises establishments primarily engaged in growing and harvesting timber on a long production cycle (of ten years or more). Long production cycles use different production processes than short production cycles, which require more horticultural interventions prior to harvest, resulting in processes more similar to those found in the Crop Production industry. Consequently, Christmas tree production and other production involving production cycles of less than ten years, are classified to the Crop Production industry. Additional forestry related employment is found in the Support Activities for Agriculture and Forestry industry, which in B.C. is primarily comprised of forestry support activities.

The Forestry and Logging industry has shown signs of recovery in recent years driven by rebounding housing markets in Canada and the U.S. as well as other export markets such as China. The industry's employment, however, is forecasted to decline due to reductions in the annual allowable harvest of timber, continued industry consolidation, and productivity improvements.

1.1 B.C. industry employment and job openings

Industry	Employment		Employment Growth			Job Openings		Replacement Share
	Number of Workers	Share of B.C.	(Average Annual Rate)			Number of Openings	Share of B.C.	(Share of Openings)
	2018	2018	2018-2023	2023-2028	2018-2028	2018-2028	2018-2028	2018-2028
This Industry	12,198	0.5%	-1.6%	-2.8%	-2.2%	878	0.1%	100.0%
All Industries	2,501,081	100.0%	1.1%	1.1%	1.1%	903,007	100.0%	68.1%

1.2 B.C. industry job openings by type

Job Openings	2018-2023	2023-2028	2018-2028
Total Job Openings	900	-21	879
Expansion Demand	-1,072	-1,622	-2,694
Replacement Demand	1,972	1,601	3,573

2018-2028 total job openings²: the total job openings in the 10 years between 2018 and 2028

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1.3 B.C. industry employment growth and job openings by development region

Region	Employment	Employment Growth (Average Annual Rate)			Job Openings		
	2018	2018-2023	2023-2028	2018-2028	2018-2023	2023-2028	2018-2028
British Columbia	12,198	-1.6%	-2.8%	-2.2%	900	-21	879
Vancouver Island/Coast	3,815	-1.3%	-0.7%	-1.0%	428	440	868
Mainland/Southwest	1,553	-1.3%	-2.1%	-1.7%	119	39	158
Thompson-Okanagan	2,175	-1.8%	-4.8%	-3.3%	182	-176	6
Kootenay	597	-1.3%	-4.0%	-2.6%	77	-20	57
Cariboo	1,922	-1.9%	-4.7%	-3.3%	31	-218	-187
North Coast & Nechako	1,737	-1.9%	-3.4%	-2.7%	32	-93	-61
Northeast	400	-0.7%	-1.9%	-1.3%	32	8	40

2. Occupations in the Industry

2.1 B.C. top occupations by skill level in the industry

Skill Level	NOC	Occupation	Employment	Job Openings	Replacement Rate (Annual)	Wage Rate Median	Wage Rate Low	Wage Rate High
			2018	2018-2028	2018-2028	2017	2017	2017
LEVEL 0: <i>Usually requiring combination of education and experience</i>	#0811	Managers in natural resources production and fishing	343	78	4.8%	41.93	25.00	72.41
	#0016	Senior managers - construction, transportation, production and utilities	72	12	4.2%	47.65	21.50	90.77
	#0714	Facility operation and maintenance managers	41	7	3.8%	35.10	19.85	57.00
	#0111	Financial managers	35	6	3.7%	40.86	21.03	67.31
	#0711	Construction managers	33	4	3.6%	38.46	19.85	57.69
		Other occupations	160	5	-	-	-	-
	Total		684	112	-	-	-	-
LEVEL A: <i>Usually requiring a Bachelor's, Graduate or First Professional Degree</i>	#2122	Forestry professionals	230	3	2.3%	33.65	26.00	43.96
	#1111	Financial auditors and accountants	108	2	2.3%	27.88	17.00	47.00
	#2141	Industrial and manufacturing engineers	9	1	2.6%	35.90	21.21	60.62
	#2121	Biologists and related scientists	14	0	2.0%	35.71	22.00	50.00
	#1112	Financial and investment analysts	9	0	2.2%	33.52	18.46	50.00
		Other occupations	67	-4	-	-	-	-
Total		437	3	-	-	-	-	

¹ NAICS: North American Industry Classification System Canada 2012

² Total job openings: the sum of expansion and replacement job openings over the period. A job opening is the addition of a new job through economic growth (expansion) or a job that needs to be filled due to someone exiting the labour force permanently as a result of retirement, death or other reasons (replacement).

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Skill Level	NOC	Occupation	Employment	Job Openings	Replacement Rate (Annual)	Wage Rate Median	Wage Rate Low	Wage Rate High
			2018	2018-2028	2018-2028	2017	2017	2017
LEVEL B: <i>Usually requiring diploma, certificate or apprenticeship training</i>	#8241	Logging machinery operators	1,778	277	4.3%	30.00	22.50	34.55
	#8211	Supervisors, logging and forestry	687	195	5.4%	30.00	20.00	40.00
	#1221	Administrative officers	141	17	3.5%	23.38	15.00	33.00
	#7311	Construction millwrights and industrial mechanics	176	12	3.0%	35.00	18.50	40.00
	#1311	Accounting technicians and bookkeepers	231	12	3.0%	20.83	13.13	32.05
		Other occupations	2,112	25	-	-	-	-
	Total		5,125	538	-	-	-	-
LEVEL C: <i>Usually requiring secondary school and/or occupation-specific training</i>	#8421	Chain saw and skidder operators	1,334	179	4.0%	28.50	19.38	46.00
	#7511	Transport truck drivers	1,117	41	2.9%	25.00	15.00	36.06
	#9431	Sawmill machine operators	179	27	4.2%	28.00	21.84	33.00
	#9436	Lumber graders and other wood processing inspectors and graders	89	16	4.4%	27.11	16.00	33.03
	#9434	Other wood processing machine operators	106	14	3.8%	27.55	11.99	38.99
		Other occupations	1,742	-20	-	-	-	-
	Total		4,568	256	-	-	-	-
LEVEL D: <i>Usually requiring on-the-job training</i>	#9614	Labourers in wood, pulp and paper processing	148	4	2.9%	26.00	14.00	30.00
	#8611	Harvesting labourers	18	2	2.8%	11.35	11.35	20.00
	#6623	Other sales related occupations	9	1	2.5%	12.60	11.35	28.00
	#6733	Janitors, caretakers and building superintendents	56	1	2.8%	17.00	11.35	25.91
	#6622	Store shelf stockers, clerks and order fillers	9	1	1.8%	12.20	11.35	25.00
		Other occupations	1,146	-40	-	-	-	-
	Total		1,385	-32	-	-	-	-