

WORKBC INDUSTRY OUTLOOK PROFILE

WATER TRANSPORTATION (NAICS¹ 481)

About this report

This is a summary of forecast information available about this industry in the B.C. Labour Market Outlook 2019 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 Water Transportation industry comprises establishments primarily engaged in the water transportation of passengers and goods, using equipment designed for those purposes.

This industry does not include establishments primarily engaged in same-day return sightseeing trips and cruises (48721, Scenic and Sightseeing Transportation, Water).

British Columbia is Canada's gateway to the Pacific. The Port of Vancouver is Canada's busiest port, handling over 70 million tonnes of cargo annually. The industry is projected to have 2,300 job openings over the 2019-2029 period. Almost 83 percent of those job openings are a result of the need to replace workers leaving the labour force.

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)
	2019	2019	2019-2024	2024-2029	2019-2029	2019-2029	2019-2029	2019-2029
This Industry	6,830	0.3%	0.2%	0.5%	0.3%	2,022	0.2%	89.1%
All Industries	2,521,389	100.0%	1.0%	1.0%	1.0%	861,143	100.0%	69.5%

1.2 B.C. industry job openings by type

Job Openings	2019-2024	2024-2029	2019-2029
Total Job Openings	973	1,049	2,023
Expansion Demand	48	173	221
Replacement Demand	925	876	1,801

2019-2029 total job openings²: the total job openings in the 10 years between 2019 and 2029

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

Region	Employment	Employment Growth (Average Annual Rate)			Job Openings		
	2019	2019-2024	2024-2029	2019-2029	2019-2024	2024-2029	2019-2029
British Columbia	6,830	0.2%	0.5%	0.3%	973	1,049	2,023
Vancouver Island/Coast	2,973	0.4%	0.7%	0.6%	506	533	1,039
Mainland/Southwest	3,539	-0.9%	0.2%	-0.3%	252	456	707
Thompson-Okanagan	95	9.2%	1.0%	5.0%	66	18	84
Kootenay	71	8.6%	0.5%	4.5%	46	10	56
Cariboo	0	0.0%	0.0%	0.0%	0	0	0
North Coast & Nechako	152	8.5%	0.7%	4.6%	104	32	136
Northeast	0	0.0%	0.0%	0.0%	0	0	0

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
			2019	2019-2029	2019-2029	2018	2018	2018
LEVEL 0: <i>Usually requiring combination of education and experience</i>	#0731	Managers in transportation	204	77	3.3%	-	-	-
	#0714	Facility operation and maintenance managers	86	37	3.9%	19.00	35.00	51.66
	#0016	Senior managers - construction, transportation, production and utilities	72	35	4.1%	12.65	49.32	154.74
	#0114	Other administrative services managers	26	12	4.5%	23.98	32.00	64.90
	#0111	Financial managers	27	9	3.5%	22.00	38.46	67.31
		Other occupations	124	51	-	-	-	-
	Total			538	221	-	-	-
LEVEL A: <i>Usually requiring a Bachelor's, Graduate or First Professional Degree</i>	#2171	Information systems analysts and consultants	62	21	2.7%	26.15	38.97	54.95
	#1111	Financial auditors and accountants	67	19	2.6%	17.31	28.85	48.08
	#2132	Mechanical engineers	43	14	1.8%	20.51	42.31	57.69
	#1121	Human resources professionals	47	13	2.7%	21.00	38.07	64.10
	#4021	College and other vocational instructors	29	13	2.6%	18.00	35.00	51.10
		Other occupations	220	59	-	-	-	-
	Total			467	138	-	-	-

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Skill Level	NOC	Occupation	Employment	Job Openings	Replacement Rate (Annual)	Wage Rate Median	Wage Rate Low	Wage Rate High
			2019	2019-2029	2019-2029	2018	2018	2018
LEVEL B: <i>Usually requiring diploma, certificate or apprenticeship training</i>	#2273	Deck officers, water transport	1,144	405	3.1%	23.19	36.75	47.31
	#2274	Engineer officers, water transport	408	145	3.3%	27.33	36.06	43.27
	#6322	Cooks	202	38	1.6%	12.65	14.00	19.00
	#7311	Construction millwrights and industrial mechanics	54	19	2.9%	20.00	35.23	43.85
	#1215	Supervisors, supply chain, tracking and scheduling co-ordination occupations	60	17	3.1%	15.00	24.70	36.22
		Other occupations	727	216	-	-	-	-
	Total		2,594	840	-	-	-	-
LEVEL C: <i>Usually requiring secondary school and/or occupation-specific training</i>	#7532	Water transport deck and engine room crew	896	250	2.2%	19.00	29.81	33.00
	#7533	Boat and cable ferry operators and related occupations	654	220	2.9%	14.77	23.63	28.00
	#6524	Ground and water transport ticket agents, cargo service representatives and related clerks	270	63	2.4%	12.65	18.13	26.86
	#6552	Other customer and information services representatives	177	35	1.6%	12.65	19.85	30.00
	#1411	General office support workers	69	17	2.5%	13.00	21.00	30.00
		Other occupations	600	155	-	-	-	-
	Total		2,665	740	-	-	-	-
LEVEL D: <i>Usually requiring on-the-job training</i>	#6611	Cashiers	140	22	1.3%	12.65	12.65	18.00
	#6721	Support occupations in accommodation, travel and facilities set-up services	90	18	1.7%	12.65	15.13	24.27
	#6711	Food counter attendants, kitchen helpers and related support occupations	216	18	0.8%	12.65	12.65	17.00
	#6731	Light duty cleaners	50	16	2.1%	12.65	15.00	20.69
	#6733	Janitors, caretakers and building superintendents	9	4	3.1%	12.65	17.87	27.00
		Other occupations	60	6	-	-	-	-
	Total		565	83	-	-	-	-