

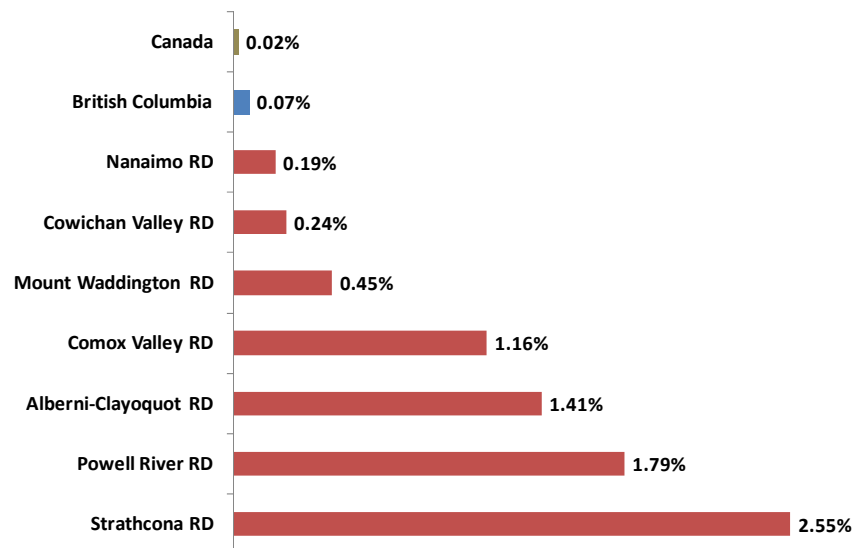
# AQUACULTURE STATISTICS FOR COMOX VALLEY & BC

**Key Fact: Aquaculture is a significant employer in many areas of coastal BC.**

Compared to the BC average, a coastal region like the **Comox Valley has more than 16 times as many aquaculture workers**. Most of the workers in the Comox Valley are working in shellfish aquaculture.

## Share of Total Employed Residents in Aquaculture

Source: Statistics Canada, 2011 National Household Survey



## Employment by Industry (by Place of Residence), 2011

	Aquaculture	Total Employed	Aquaculture Share of Employment
Canada	3,815	16,595,035	0.02%
British Columbia	1,560	2,171,470	0.07%
Atlantic Canada	1,700	1,075,090	0.16%
Strathcona RD	505	19,825	2.55%
Comox Valley RD	340	29,265	1.16%
Alberni-Clayoquot RD	180	12,765	1.41%
Powell River RD	145	8,095	1.79%
Nanaimo RD	120	64,380	0.19%
Cowichan Valley RD	85	35,965	0.24%
Capital RD	35	185,530	0.02%
Greater Vancouver RD	30	1,182,395	0.00%
Mount Waddington RD	25	5,570	0.45%
Kitimat-Stikine RD	20	16,135	0.12%
Fraser Valley RD	15	130,130	0.01%

Source: Statistics Canada, National Household Survey

**Key Fact: Global demand for aquaculture products is increasing quickly, both to (1) feed a larger and wealthier population and (2) replace declining consumption of wild fish.**

The World Bank released a report in December called *Fish to 2030: Prospects for Fisheries and Aquaculture*. Unfortunately they don't show growth projections separately for shellfish aquaculture, but for total aquaculture:

- Their baseline scenario is projecting growth of total global fish consumption (of all fish types) of 36% from 2008 to 2030, equating to 40 million more tons of fish consumed per year. **All of this increase is projected to come from aquaculture, plus another 6.5 million tons of aquaculture consumption to replace the projected decline in consumption of wild fish.**
- In percentage terms **consumption of aquaculture fish is projected to increase by 98% (3.2% per year) while consumption of wild fish is projected to fall by 10% (-0.5% per year).**
- More than half of the increase in global consumption is projected to occur in China (+22.1 million tons). Other regions with projected strong growth include Southeast Asia (+4.7 million tons), other South Asia (+4.4 million tons), India (+4.2 million tons), North America (+2.5 million tons), Africa (+1.8 million tons) and Middle East and North Africa (+1.1 million tons).
- Flat or declining markets are projected for Latin America and Caribbean, Japan, other East Asia and the Pacific, and Europe and Central Asia.

**Key Fact: In an environment of rising global demand, shellfish aquaculture production in BC has been flat over the last decade (-1%) while production in Atlantic Canada has increased 30%.**

In fact, the *increase* in shellfish aquaculture production in Atlantic Canada in the last decade is almost as much as BC's entire production.

### Aquaculture Production Volumes and Landed Values, 2012

	BC Production (tonnes)	Atlantic Canada Production (tonnes)	BC Value (\$000)	Atlantic Canada Value (\$000)
<b>Total aquaculture</b>	<b>81,395</b>	<b>85,584</b>	<b>\$399,625</b>	<b>\$395,147</b>
<b>Total finfish</b>	<b>72,717</b>	<b>53,277</b>	<b>\$380,802</b>	<b>\$331,233</b>
<b>Total shellfish</b>	<b>8,678</b>	<b>32,307</b>	<b>\$18,823</b>	<b>\$63,914</b>
Clams	1,113	406	\$6,446	\$1,258
Oysters	7,165	4,026	\$10,200	\$13,280
Mussels	237	27,631	\$855	\$43,321
Scallops	163	2	\$1,310	\$13
Other shellfish	0	242	\$12	\$6,042

Source: Statistics Canada, Cansim Table 003-0001 - Aquaculture, production and value, annual

### Change in Aquaculture Production Volumes and Values, 2002 – 2012

	BC Production (tonnes)	Atlantic Canada Production (tonnes)	BC Value (\$000)	Atlantic Canada Value (\$000)
<b>Total aquaculture</b>	<b>-13%</b>	<b>23%</b>	<b>31%</b>	<b>46%</b>
<b>Total finfish</b>	<b>-14%</b>	<b>19%</b>	<b>31%</b>	<b>44%</b>
<b>Total shellfish</b>	<b>-1%</b>	<b>30%</b>	<b>27%</b>	<b>55%</b>
Clams	-26%		-9%	
Oysters	0%	-7%	42%	66%
Mussels	451%	37%	409%	41%
Scallops	220%	-88%	320%	-91%
Other shellfish		-35%		169%

Source: Statistics Canada, Cansim Table 003-0001 - Aquaculture, production and value, annual

**Key Fact: Despite having a coastline more than 20 times larger than Prince Edward Island's, BC has shellfish aquaculture production about one-third the level of PEI.**

Per kilometre of coastline, PEI produces 58 times as much shellfish aquaculture as BC.

### Selected Shellfish Aquaculture Comparisons, British Columbia and Prince Edward Island

	British Columbia	Prince Edward Island	PEI relative to BC
Coastline	25,725	1,260	5%
Shellfish aquaculture production	8,678	24,637	284%
Tonnes/km	0.3	19.6	5796%
Acres of shellfish leases (estimate)	8,750	18,400	210%
Tonnes/leased acre	1.0	1.3	135%

Sources: Fisheries and Oceans Canada; Statistics Canada, Cansim Table 003-0001 - Aquaculture, production and value, annual; BC Stats

**Key Fact: BC has lower production of shellfish aquaculture than many competing jurisdictions in Canada and the western United States.**

### Comparative Shellfish Aquaculture Production Volumes by Jurisdiction, Latest Year Available (tonnes)

	British Columbia (2012)	Atlantic Canada (2012)	Washington (2010)	California (2011)
Clams (inc. geoduck)	1,113	406	4,336	605
Oysters	7,165	4,026	3,963	14,258
Mussels	237	27,631	1,337	612
Other shellfish	163	244		
<b>Total Shellfish Aquaculture</b>	<b>8,678</b>	<b>32,307</b>	<b>9,636</b>	<b>15,476</b>