

Average Mortality Rate (Quarter 2 - 2010)					
Fish Health SubZone	Species	Life stages	# Fish Group	# Site	Rate
All Zones	Atlantic salmon	"Early"	19	12	5.44%
2-3	Atlantic salmon	"Later"	21	16	0.97%
2-4	Atlantic salmon	"Later"	14	14	0.43%
3-1 + 3-2	Atlantic salmon	"Later"	18	18	0.39%
3-3	Atlantic salmon	"Later"	24	18	0.75%
3-4 + 3-5	Atlantic salmon	"Later"	14	13	0.69%
All Zones ⁴	Atlantic salmon	"Later"	76	68	0.66%
All Zones	Pacific salmon	"Early"	9	2	0.61%
All Zones	Pacific salmon	"Later"	22	9	2.40%

Notes

1 Rate figures are aggregate weighted averages (agreed to with BC MAL April 25, 2003)

2 Definitions for lifestages:

"Early"	Eyed Egg -->	Alevin / Larvae / Fry -->	Pre-smolt (= parr)
"Later"	Smolt -->	Grow-out / Harvest (= immature adult) Broodstock -->	Spent/Post-Spawn (public facilities)

3	The following participants' data are in the system for this quarter	Companies/ participants not yet on the system	Data in the system for this quarter but may be incomplete
	Creative Salmon	AgriMarine Industries	Fisheries and Oceans Canada
	Grieg Seafoods	Omega Pacific	
	Heritage Salmon	Saltstream Engineering	
	Marine Harvest Canada/ Stolt Seafarms	Totem Oysters	
	Mainstream (Pacific National Aquaculture)	Yellow Island Aquaculture	
	Panfish Canada (Omega Salmon Group)		
	Target Marine Products	Freshwater Fisheries Society of BC	
	West Coast Fish Culture	(some data in the system)	

4 This field has been added to encompass a small number of later lifestage Atlantic salmon (e.g., broodstock) raised in areas other than the subzones shown above.

Fish Health Events (Quarter 2 - 2010)						
Fish Health SubZone	Species	Life Stage	Veterinary Diagnosis	Count of Fish Health Events ^{1,2,3}		
				New	Ongoing/Recurring	Relapsing
All	Atlantic Salmon	"Early"	Aeromonas salmonicida Infection	0	0	0
All zones ⁵	Atlantic Salmon	"Later"		0	0	0
2-3	Atlantic Salmon	"Later"	Lepeophtheirus Infection	0	2	0
			Myxobacterial Infection	2	0	0
			Viral Haemorrhagic Septicemia Virus Infection	0	6	0
			Aeromonas salmonicida Infection	2	1	0
			Piscirickettsia salmonis Infection	0	2	0
2-4	Atlantic Salmon	"Later"	Lepeophtheirus Infection	0	3	0
			Myxobacterial Infection	3	0	0
3-1 + 3-2	Atlantic Salmon	"Later"	Lepeophtheirus Infection	2	0	0
			Aeromonas salmonicida Infection	0	1	0
			Renibacterium salmoninarum Infection	2	0	0
			Myxobacterial Infection	3	4	0
3-3	Atlantic Salmon	"Later"	Lepeophtheirus Infection	1	0	0
			Viral Haemorrhagic Septicemia Virus Infection	0	1	0
			Myxobacterial Infection	3	1	0
			Renibacterium salmoninarum Infection	1	0	0
3-4 + 3-5	Atlantic Salmon	"Later"	Myxobacterial Infection	2	1	
			Lepeophtheirus Infection	1	1	0
All zones	Pacific Salmonids	"Early"	Renibacterium salmoninarum Infection	3	1	0
			Trichodina infection	1	0	0
			Case worked up but no diagnosis	1	0	0
			Myxobacterial Infection	3	0	0
All zones	Pacific Salmonids	"Later"	Renibacterium salmoninarum Infection	0	4	0

1 Reporting reflects life stage rather than water type. See notes 1 - 2 of Average Mortality Rate report.

2 Counts of veterinary diagnosis are based on FISH GROUP (not site); more than one fish group may exist at a site

3 Fish Health Events reflect the following categories:

New First time occurrence; new event

Ongoing/recurring Repeat or ongoing occurrence from previous calendar quarter

Relapsing Repeat occurrence from calendar quarter at least two quarters preceding the current one

4 "Case worked up but no diagnosis" category requires workup and management steps taken, e.g., further investigation, husbandry change etc.

5 This field has been added to encompass a small number of later lifestage Atlantic salmon (e.g., broodstock) raised in areas other than the subzones shown above.

Mortality Rates by Cause (Quarter 2 - 2010) ^{1,2}						
Early Life stages						
Fish Health SubZone	Species	# Fish Groups	Background Mortality	Systems Related	Fresh	Culls / Quality Control
All Zones	Atlantic salmon	19	4.85%	0.18%	0.32%	0.09%
All Zones	Pacific salmon	9	0.43%	0.06%	0.00%	0.12%

Mortality Rates by Cause (Quarter 2 2010)									
Later Life stages									
Fish Health SubZone	Species	# Fish Groups	Environmental	Fresh "Silvers"	Handling / Transport	Matures	Old	Poor Performers	Predators
All Zones	Atlantic salmon	76	0.02%	0.23%	0.12%	0.01%	0.14%	0.10%	0.05%
2-3	Atlantic salmon	21	0.06%	0.35%	0.07%	0.01%	0.12%	0.29%	0.07%
2-4	Atlantic salmon	14	0.00%	0.05%	0.23%	0.00%	0.08%	0.03%	0.04%
3-1 + 3-2	Atlantic salmon	18	0.02%	0.16%	0.01%	0.00%	0.11%	0.07%	0.04%
3-3	Atlantic salmon	24	0.01%	0.28%	0.17%	0.03%	0.16%	0.07%	0.03%
3-4 + 3-5	Atlantic salmon	14	0.00%	0.23%	0.16%	0.00%	0.13%	0.06%	0.11%
All Zones	Pacific salmon	22	0.00%	0.48%	0.08%	0.01%	0.33%	0.21%	0.50%

Notes

- 1 See notes for Average Mortality Rate report
- 2 Sum of individual Proportional Mortality Rates reconciles to Average Mortality Rate to 0.005% (rounding errors)