

# Mortality rates by year

Highlighted cells show rates that exceeded the 'Allowable HCM rate.' Allowable HCM rates are from Austin et al. 2004.

GBPU	Hunting in protected areas	Hunting outside protected areas	Other mortality	Total human-caused mortality rate	Allowable HCM rate
<b>2004</b>					
Alta	0.00	0.00	0.00	0.00	2.8
Babine	0.35	2.10	0.00	2.45	3.5
Blackwater-West Chilcotin	0.00	0.52	0.52	1.04	0.0
Bulkley-Lakes	0.00	1.47	0.25	1.72	2.3
Cassiar	0.00	0.68	0.14	0.82	3.5
Central Monashee	0.00	0.00	0.00	0.00	2.3
Central Purcell	4.65	1.16	2.33	8.14	3.0
Central Rockies	0.00	5.20	0.00	5.20	3.6
Central Selkirk	0.56	1.13	0.00	1.69	3.0
Columbia-Shuswap	0.00	0.76	0.00	0.76	2.9
Cranberry	0.00	1.47	0.88	2.35	3.5
Edziza-Lower Stikine	0.00	0.54	0.00	0.54	3.6
Finlay-Ospika	0.00	2.61	0.15	2.76	3.6
Flathead	0.00	3.31	1.99	5.30	2.3
Francois	0.00	0.00	0.00	0.00	2.1
Garibaldi-Pitt	0.00	0.00	0.00	0.00	0.0
Hart	0.00	2.33	0.00	2.33	2.4
Hyland	0.00	1.53	0.00	1.53	3.4
Kettle-Granby	0.00	0.00	1.23	1.23	0.0
Khutzymateen	0.00	0.27	0.27	0.53	3.6
Kingcome-Wakeman	0.00	0.87	0.00	0.87	4.1
Kitlope-Fiordland	0.00	0.58	0.00	0.58	4.0
Klinaklini-Homathko	0.00	0.00	0.00	0.00	0.1
Knight-Bute	0.00	1.61	0.00	1.61	3.3
Kwatna-Owikeno	0.00	1.58	0.00	1.58	3.9
Moberly	0.00	0.57	0.00	0.57	2.9
Muskwa	0.52	3.10	0.26	3.88	3.6
Nation	0.41	0.83	0.00	1.24	2.5
North Cascades	0.00	0.00	0.00	0.00	0.0

GBPU	Hunting in protected areas	Hunting outside protected areas	Other mortality	Total human-caused mortality rate	Allowable HCM rate
North Coast	0.00	0.47	0.00	0.47	3.2
North Purcell	0.00	3.07	0.00	3.07	3.8
North Selkirk	0.00	1.89	0.00	1.89	3.8
Nulki	0.00	0.00	0.52	0.52	0.0
Omineca	0.00	1.87	0.00	1.87	3.4
Parsnip	0.42	3.17	0.21	3.81	3.7
Quesnel Lake North	0.00	2.52	0.00	2.52	3.4
Robson	0.00	2.69	0.16	2.85	3.2
Rockies Park Ranges	0.00	0.61	0.00	0.61	3.0
Rocky	0.41	1.92	2.05	4.38	2.6
South Chilcotin Ranges	0.00	0.00	1.92	1.92	0.0
South Purcell	2.17	1.09	0.00	3.26	2.0
South Rockies	0.66	4.27	3.29	8.22	4.0
South Selkirk	0.00	0.00	0.00	0.00	0.0
Spatsizi	0.37	0.56	0.00	0.93	3.7
Spillamacheen	0.00	2.84	0.71	3.55	3.0
Squamish-Lillooet	0.00	0.00	0.00	0.00	0.0
Stein-Nahatlatch	0.00	0.00	0.00	0.00	0.0
Stewart	0.00	1.57	0.31	1.88	3.7
Taiga	0.00	0.00	1.09	1.09	0.0
Taku	0.00	2.02	0.00	2.02	3.4
Tatshenshini	1.11	0.28	0.00	1.39	3.4
Toba-Bute	0.00	0.00	0.00	0.00	0.0
Tweedsmuir	0.36	1.07	1.08	2.51	2.8
Upper Skeena-Nass	0.00	0.91	0.00	0.91	4.1
Valhalla	0.00	0.00	1.04	1.04	0.0
Wells Gray	0.00	1.07	0.00	1.07	3.2
Yahk	0.00	0.00	15.00	15.00	0.0
<b>2005</b>					
Alta	0.00	3.76	0.00	3.76	2.8
Babine	0.00	1.75	0.70	2.45	3.5
Blackwater-West Chilcotin	0.00	0.00	3.63	3.63	0.0
Bulkley-Lakes	0.00	1.47	0.49	1.97	2.3
Cassiar	0.00	1.92	0.00	1.92	3.5
Central Monashee	0.00	1.40	0.70	2.10	2.3
Central Purcell	0.00	0.00	0.00	0.00	3.0
Central Rockies	0.00	3.47	0.00	3.47	3.6
Central Selkirk	0.00	0.56	1.12	1.69	3.0
Columbia-Shuswap	0.00	1.01	0.51	1.52	2.9
Cranberry	0.00	1.76	0.29	2.05	3.5
Edziza-Lower Stikine	0.27	0.81	0.00	1.08	3.6
Finlay-Ospika	0.29	3.34	0.00	3.63	3.6
Flathead	0.00	1.32	2.65	3.97	2.3

GBPU	Hunting in protected areas	Hunting outside protected areas	Other mortality	Total human-caused mortality rate	Allowable HCM rate
Francois	0.00	0.00	0.00	0.00	2.1
Garibaldi-Pitt	0.00	0.00	0.00	0.00	0.0
Hart	0.00	1.81	0.52	2.33	2.4
Hyland	0.00	1.23	0.00	1.23	3.4
Kettle-Granby	0.00	0.00	1.23	1.23	0.0
Khutzeymateen	0.00	0.53	0.00	0.53	3.6
Kingcome-Wakeman	0.00	0.43	0.00	0.43	4.1
Kitlope-Fiordland	0.00	0.29	0.29	0.58	4.0
Klinaklini-Homathko	0.00	0.00	0.00	0.00	0.1
Knight-Bute	0.00	2.15	0.00	2.15	3.3
Kwatna-Owikeno	0.00	1.27	0.00	1.27	3.9
Moberly	0.00	1.72	0.00	1.72	2.9
Muskwa	0.39	2.06	0.00	2.45	3.6
Nation	0.00	2.49	0.41	2.90	2.5
North Cascades	0.00	0.00	0.00	0.00	0.0
North Coast	0.00	1.40	0.47	1.87	3.2
North Purcell	0.00	6.14	0.00	6.14	3.8
North Selkirk	0.00	2.65	0.00	2.65	3.8
Nulki	0.00	0.00	0.52	0.52	0.0
Omineca	0.00	2.91	0.21	3.12	3.4
Parsnip	0.00	1.69	0.21	1.90	3.7
Quesnel Lake North	0.00	0.95	0.00	0.95	3.4
Robson	0.00	2.69	0.95	3.65	3.2
Rockies Park Ranges	0.00	0.61	0.00	0.61	3.0
Rocky	0.41	1.10	0.55	2.05	2.6
South Chilcotin Ranges	0.00	0.00	0.00	0.00	0.0
South Purcell	1.09	1.08	2.17	4.35	2.0
South Rockies	0.33	2.96	2.30	5.59	4.0
South Selkirk	0.00	0.00	0.00	0.00	0.0
Spatsizi	1.30	0.37	0.37	2.04	3.7
Spillamacheen	0.00	1.42	1.42	2.84	3.0
Squamish-Lillooet	0.00	0.00	0.00	0.00	0.0
Stein-Nahatlatch	0.00	0.00	0.00	0.00	0.0
Stewart	0.00	1.57	0.00	1.57	3.7
Taiga	0.00	0.00	0.00	0.00	0.0
Taku	0.00	1.85	0.00	1.85	3.4
Tatshenshini	1.94	0.56	0.00	2.50	3.4
Toba-Bute	0.00	0.00	0.00	0.00	0.0
Tweedsmuir	0.36	1.07	2.51	3.94	2.8
Upper Skeena-Nass	0.00	0.76	0.00	0.76	4.1
Valhalla	0.00	0.00	0.00	0.00	0.0
Wells Gray	0.00	0.27	0.53	0.80	3.2
Yahk	0.00	0.00	0.00	0.00	0.0

GBPU	Hunting in protected areas	Hunting outside protected areas	Other mortality	Total human-caused mortality rate	Allowable HCM rate
<b>2006</b>					
Alta	0.00	1.50	0.00	1.50	2.8
Babine	0.00	1.05	0.00	1.05	3.5
Blackwater-West Chilcotin	0.00	0.00	1.04	1.04	0.0
Bulkley-Lakes	0.00	0.98	1.47	2.46	2.3
Cassiar	0.00	2.19	0.27	2.47	3.5
Central Monashee	0.00	1.40	0.00	1.40	2.3
Central Purcell	2.33	0.00	0.00	2.33	3.0
Central Rockies	0.00	1.73	0.00	1.73	3.6
Central Selkirk	0.00	1.69	0.00	1.69	3.0
Columbia-Shuswap	0.00	1.52	0.00	1.52	2.9
Cranberry	0.00	0.59	0.59	1.17	3.5
Edziza-Lower Stikine	0.54	1.08	0.00	1.62	3.6
Finlay-Ospika	0.44	1.59	0.00	2.03	3.6
Flathead	0.00	2.65	0.00	2.65	2.3
Francois	0.00	0.00	0.00	0.00	2.1
Garibaldi-Pitt	0.00	0.00	0.00	0.00	0.0
Hart	0.00	1.04	0.00	1.04	2.4
Hyland	0.00	3.07	0.00	3.07	3.4
Kettle-Granby	0.00	0.00	1.23	1.23	0.0
Khutzymateen	0.00	0.27	0.00	0.27	3.6
Kingcome-Wakeman	0.00	1.30	0.00	1.30	4.1
Kitlope-Fiordland	0.00	0.87	0.29	1.16	4.0
Klinaklini-Homathko	0.00	0.00	0.92	0.92	0.1
Knight-Bute	0.00	1.08	0.54	1.61	3.3
Kwatna-Owikeno	0.00	0.00	0.63	0.63	3.9
Moberly	0.00	1.15	0.00	1.15	2.9
Muskwa	0.26	2.07	0.13	2.45	3.6
Nation	0.00	1.66	0.83	2.49	2.5
North Cascades	0.00	0.00	0.00	0.00	0.0
North Coast	0.00	2.34	0.00	2.34	3.2
North Purcell	0.00	0.88	0.00	0.88	3.8
North Selkirk	0.00	2.27	0.00	2.27	3.8
Nulki	0.00	0.00	0.52	0.52	0.0
Omineca	0.00	1.66	0.21	1.87	3.4
Parsnip	0.00	1.90	0.00	1.90	3.7
Quesnel Lake North	0.00	0.63	0.00	0.63	3.4
Robson	0.00	2.85	0.00	2.85	3.2
Rockies Park Ranges	0.00	3.05	0.00	3.05	3.0
Rocky	0.14	1.37	0.41	1.92	2.6
South Chilcotin Ranges	0.00	0.00	0.00	0.00	0.0
South Purcell	2.17	1.09	1.09	4.35	2.0
South Rockies	0.00	1.97	0.66	2.63	4.0

GBPU	Hunting in protected areas	Hunting outside protected areas	Other mortality	Total human-caused mortality rate	Allowable HCM rate
South Selkirk	0.00	0.00	3.45	3.45	0.0
Spatsizi	0.93	1.85	0.19	2.96	3.7
Spillamacheen	0.00	1.42	0.00	1.42	3.0
Squamish-Lillooet	0.00	0.00	0.00	0.00	0.0
Stein-Nahatlatch	0.00	0.00	0.00	0.00	0.0
Stewart	0.00	0.63	1.57	2.19	3.7
Taiga	0.00	0.00	0.00	0.00	0.0
Taku	0.00	2.86	0.00	2.86	3.4
Tatshenshini	1.39	1.67	0.00	3.06	3.4
Toba-Bute	0.00	0.00	1.33	1.33	0.0
Tweedsmuir	0.00	0.00	1.79	1.79	2.8
Upper Skeena-Nass	0.30	1.97	0.00	2.27	4.1
Valhalla	0.00	0.00	0.00	0.00	0.0
Wells Gray	0.00	0.27	0.00	0.27	3.2
Yahk	0.00	0.00	5.00	5.00	0.0
<b>2007</b>					
Alta	0.00	1.50	0.00	1.50	2.8
Babine	0.35	2.80	1.05	4.20	3.5
Blackwater-West Chilcotin	0.00	0.00	2.07	2.07	0.0
Bulkley-Lakes	0.00	2.70	1.47	4.18	2.3
Cassiar	0.00	2.33	0.27	2.60	3.5
Central Monashee	0.00	0.70	0.70	1.40	2.3
Central Purcell	0.00	0.00	0.00	0.00	3.0
Central Rockies	0.00	4.05	1.16	5.20	3.6
Central Selkirk	0.56	5.06	0.00	5.62	3.0
Columbia-Shuswap	0.00	2.02	0.51	2.53	2.9
Cranberry	0.00	1.17	0.59	1.76	3.5
Edziza-Lower Stikine	0.81	1.89	0.27	2.96	3.6
Finlay-Ospika	0.44	3.91	0.00	4.35	3.6
Flathead	0.00	3.31	0.00	3.31	2.3
Francois	0.00	1.43	0.00	1.43	2.1
Garibaldi-Pitt	0.00	0.00	0.00	0.00	0.0
Hart	0.00	2.33	0.52	2.85	2.4
Hyland	0.00	0.61	0.31	0.92	3.4
Kettle-Granby	0.00	0.00	0.00	0.00	0.0
Khutzeymateen	0.00	0.00	0.00	0.00	3.6
Kingcome-Wakeman	0.00	3.48	0.00	3.48	4.1
Kitlope-Fiordland	0.00	0.00	0.00	0.00	4.0
Klinaklini-Homathko	0.00	0.00	0.00	0.00	0.1
Knight-Bute	0.00	3.76	0.54	4.30	3.3
Kwatna-Owikeno	0.00	1.27	0.00	1.27	3.9
Moberly	0.00	2.30	0.00	2.30	2.9
Muskwa	0.52	2.32	0.13	2.97	3.6
Nation	0.00	2.90	0.41	3.32	2.5

GBPU	Hunting in protected areas	Hunting outside protected areas	Other mortality	Total human-caused mortality rate	Allowable HCM rate
North Cascades	0.00	0.00	0.00	0.00	0.0
North Coast	0.00	1.40	0.00	1.40	3.2
North Purcell	0.00	4.39	0.00	4.39	3.8
North Selkirk	0.00	5.30	0.00	5.30	3.8
Nulki	0.00	0.00	2.08	2.08	0.0
Omineca	0.21	1.87	0.00	2.08	3.4
Parsnip	0.00	2.75	0.00	2.75	3.7
Quesnel Lake North	0.32	2.52	0.32	3.15	3.4
Robson	0.16	2.85	0.00	3.01	3.2
Rockies Park Ranges	0.00	3.66	0.61	4.27	3.0
Rocky	0.68	1.65	0.96	3.29	2.6
South Chilcotin Ranges	0.00	0.00	2.88	2.88	0.0
South Purcell	0.00	3.26	0.00	3.26	2.0
South Rockies	0.00	4.28	2.30	6.58	4.0
South Selkirk	0.00	0.00	0.00	0.00	0.0
Spatsizi	1.85	0.93	0.19	2.96	3.7
Spillamacheen	0.00	2.84	0.00	2.84	3.0
Squamish-Lillooet	0.00	0.00	0.00	0.00	0.0
Stein-Nahatlatch	0.00	0.00	0.00	0.00	0.0
Stewart	0.00	2.19	0.63	2.82	3.7
Taiga	0.00	1.09	0.00	1.09	0.0
Taku	0.00	2.69	0.00	2.69	3.4
Tatshenshini	1.11	0.83	0.00	1.94	3.4
Toba-Bute	0.00	0.00	0.00	0.00	0.0
Tweedsmuir	0.00	1.08	1.79	2.87	2.8
Upper Skeena-Nass	0.00	1.97	0.15	2.12	4.1
Valhalla	0.00	0.00	0.00	0.00	0.0
Wells Gray	0.00	0.53	0.00	0.53	3.2
Yahk	0.00	0.00	0.00	0.00	0.0
<b>2008</b>					
Alta	0.00	3.76	0.75	4.51	2.8
Babine	0.00	1.05	2.10	3.15	3.5
Blackwater-West Chilcotin	0.00	0.00	0.00	0.00	0.0
Bulkley-Lakes	0.00	1.47	0.74	2.21	2.3
Cassiar	0.00	1.92	0.00	1.92	3.5
Central Monashee	0.00	1.40	0.70	2.10	2.3
Central Purcell	1.16	2.33	1.16	4.65	3.0
Central Rockies	0.00	5.78	0.00	5.78	3.6
Central Selkirk	0.00	2.81	0.00	2.81	3.0
Columbia-Shuswap	0.25	2.53	0.25	3.03	2.9
Cranberry	0.29	1.76	0.88	2.93	3.5
Edziza-Lower Stikine	0.27	2.16	0.00	2.43	3.6
Finlay-Ospika	0.29	2.32	0.00	2.61	3.6
Flathead	0.00	1.99	0.00	1.99	2.3

GBPU	Hunting in protected areas	Hunting outside protected areas	Other mortality	Total human-caused mortality rate	Allowable HCM rate
Francois	0.00	0.71	0.00	0.71	2.1
Garibaldi-Pitt	0.00	0.00	0.00	0.00	0.0
Hart	0.00	2.59	0.26	2.85	2.4
Hyland	0.31	2.45	0.61	3.37	3.4
Kettle-Granby	0.00	0.00	0.00	0.00	0.0
Khutzeymateen	0.00	0.80	0.27	1.06	3.6
Kingcome-Wakeman	0.00	0.00	0.00	0.00	4.1
Kitlope-Fiordland	0.00	1.16	0.00	1.16	4.0
Klinaklini-Homathko	0.00	0.00	0.00	0.00	0.1
Knight-Bute	0.00	1.08	0.00	1.08	3.3
Kwatna-Owikeno	0.00	0.63	0.63	1.27	3.9
Moberly	0.00	5.17	0.00	5.17	2.9
Muskwa	0.26	2.19	0.00	2.45	3.6
Nation	0.00	0.83	0.00	0.83	2.5
North Cascades	0.00	0.00	0.00	0.00	0.0
North Coast	0.00	2.34	0.47	2.80	3.2
North Purcell	0.00	4.39	0.00	4.39	3.8
North Selkirk	0.00	3.41	0.00	3.41	3.8
Nulki	0.00	0.52	1.56	2.08	0.0
Omineca	0.00	2.91	0.00	2.91	3.4
Parsnip	0.21	2.54	0.00	2.75	3.7
Quesnel Lake North	0.00	4.73	0.00	4.73	3.4
Robson	0.00	2.38	0.16	2.54	3.2
Rockies Park Ranges	0.00	3.05	1.22	4.27	3.0
Rocky	0.55	1.09	1.64	3.29	2.6
South Chilcotin Ranges	0.00	0.00	0.00	0.00	0.0
South Purcell	0.00	1.09	0.00	1.09	2.0
South Rockies	0.00	3.95	1.32	5.26	4.0
South Selkirk	0.00	0.00	1.72	1.72	0.0
Spatsizi	1.85	0.93	0.19	2.96	3.7
Spillamacheen	0.00	1.42	0.00	1.42	3.0
Squamish-Lillooet	0.00	0.00	0.00	0.00	0.0
Stein-Nahatlatch	0.00	0.00	1.64	1.64	0.0
Stewart	0.00	1.25	2.19	3.45	3.7
Taiga	0.00	0.00	0.00	0.00	0.0
Taku	0.00	0.84	0.00	0.84	3.4
Tatshenshini	1.11	0.83	0.00	1.94	3.4
Toba-Bute	0.00	0.00	0.00	0.00	0.0
Tweedsmuir	0.36	2.15	4.30	6.81	2.8
Upper Skeena-Nass	0.00	1.36	0.00	1.36	4.1
Valhalla	0.00	0.00	0.00	0.00	0.0
Wells Gray	0.00	0.00	0.00	0.00	3.2
Yahk	0.00	0.00	5.00	5.00	0.0