



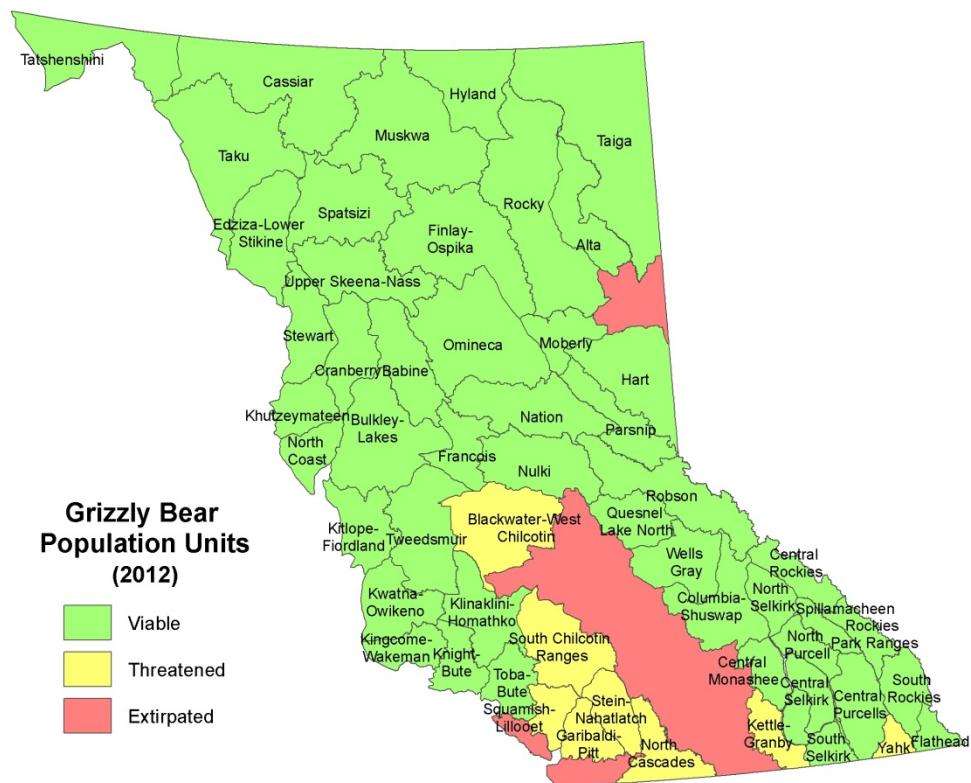
## Plants and Animals

### Grizzly Bear Population Status in BC (2012)

- There are approximately 15,000 Grizzly bears in British Columbia<sup>1</sup>; this is about a quarter of the entire North American population.
- Of the 56 extant Grizzly bear Population Units in British Columbia, 9 are classified as threatened.
- Grizzly bears are an important part of the British Columbia landscape in many ways:
  - They are a symbol of ecological integrity that represents much of what British Columbians and visitors alike appreciate about BC's natural beauty.
  - BC is host to some of North America's last remaining places where large predators and their prey play out their millennia-old roles; Grizzly bears are a key part of these systems.
  - They are an important "umbrella" species, as landscapes that support healthy Grizzly bear populations will be able to sustain many other species.
  - Grizzly bears play a key role in maintaining healthy ecosystems, for example, by distributing salmon nutrients into forests (often far from streams), and transporting seeds through their feces.
  - They are an important part of the culture of First Nations People living in B.C.
  - Grizzly bear viewing and hunting are important economic and social components of BC's tourism and recreation industries



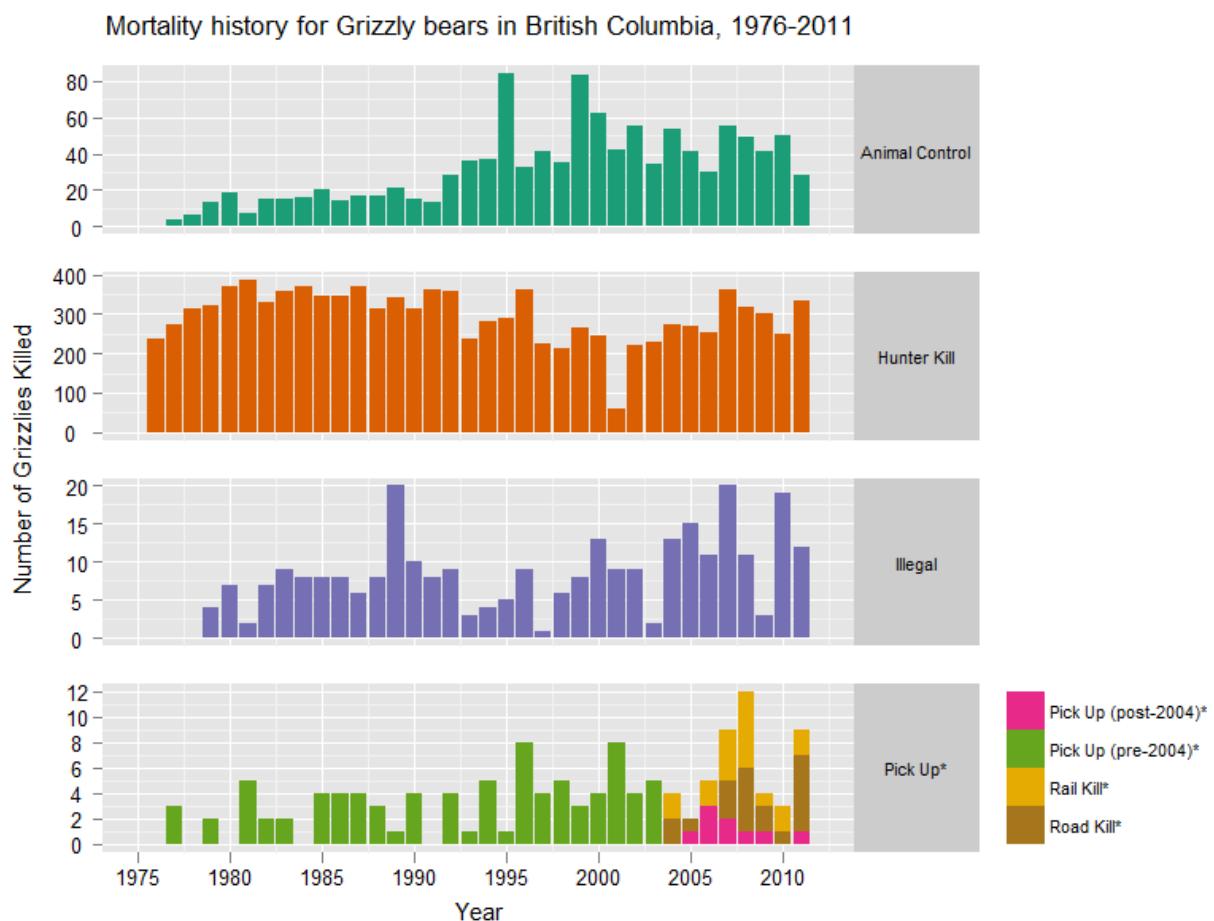
- Grizzly bears are ranked S3 (Vulnerable; 2012) in BC by the [Conservation Data Centre](#), and are classified as a species of Special Concern by the federal Committee on the Status of Endangered Wildlife in Canada ([COSEWIC](#)).
- Grizzly bears are extirpated from much of their southern range in the USA, as well as several areas in BC:
  - The dry southern/central interior from the US border to north of Quesnel
  - The Peace Lowlands around Ft. St. John and Dawson Creek
  - The lower Fraser Valley/Lower Mainland and the Sunshine Coast
- Habitat quality and population density vary widely across the province.
- The cumulative effects of human development is the greatest threat to Grizzly bears in BC; these effects impact bears in three main (often overlapping) ways:
  - Conflicts between bears and humans increase in frequency, often resulting in bears being killed or relocated;
  - Bear populations become isolated because of human settlements, agriculture, and utility corridors in major valley bottoms;
  - Habitat may be lost or degraded by development, alienated through bears' avoidance of humans and human activities, or fragmented (for example, by high density road networks with high traffic volumes).
- Roads are known to have a negative effect on Grizzly bear habitat use when they reach a density of about 0.6 km of road per sq km; this effect gets stronger when road density increases over ~1 km/sq km. In addition, new or improved roads bring people into contact with Grizzly bears more frequently, and sometimes those encounters are lethal for bears.
- In addition to the nine threatened population units, there are an additional five where hunting is not allowed due to small population sizes or special designations. There are additional areas in the province where hunting is not allowed (e.g., National and some Provincial Parks, Grizzly Bear Management Areas, etc.).
- Since 1976, an average of 340 Grizzly bears are known to have been killed from human causes each year (all known Grizzly bear mortalities are recorded by the Ministry of Forests, Lands and Natural Resource Operations in the Compulsory Inspection database). On average: 297 are legally killed by hunters, and 31 are killed by animal control officers due to human/bear conflicts. An average of eight are known to be killed illegally, and four are known to be killed on roads and railways, however some illegal and road- and rail-caused deaths go undetected.



2012 Grizzly bear population estimates and Grizzly Bear population unit status in British Columbia.

| GBPU Name                 | Population Status | Population Estimate (2012) | Area of useable habitat (sq km) | Estimated population density (Grizzly bears/1000 sq km) |
|---------------------------|-------------------|----------------------------|---------------------------------|---|
| Blackwater-West Chilcotin | Threatened        | 53                         | 20416                           | 3   |
| Garibaldi-Pitt            | Threatened        | 2                          | 6031                            | <1  |
| Kettle-Granby             | Threatened        | 86                         | 6519                            | 13  |
| North Cascades            | Threatened        | 6                          | 9731                            | 1   |
| South Chilcotin Ranges    | Threatened        | 203                        | 15220                           | 13  |
| South Selkirk             | Threatened        | 58                         | 3996                            | 15  |
| Squamish-Lillooet         | Threatened        | 59                         | 5019                            | 12  |
| Stein-Nahatlatch          | Threatened        | 24                         | 7510                            | 3   |
| Yahk                      | Threatened        | 20                         | 2670                            | 7   |
| Alta                      | Viable            | 132                        | 13240                           | 10  |
| Babine                    | Viable            | 313                        | 13805                           | 23  |
| Bulkley-Lakes             | Viable            | 439                        | 22554                           | 19  |
| Cassiar                   | Viable            | 612                        | 35803                           | 17  |
| Central Monashee          | Viable            | 147                        | 6155                            | 24  |
| Central Purcells          | Viable            | 176                        | 11288                           | 16  |
| Central Rockies           | Viable            | 169                        | 6205                            | 27  |
| Central Selkirk           | Viable            | 188                        | 5512                            | 34  |
| Columbia-Shuswap          | Viable            | 346                        | 14426                           | 24  |
| Cranberry                 | Viable            | 349                        | 11489                           | 30  |
| Edziza-Lower Stikine      | Viable            | 398                        | 14317                           | 28  |
| Finlay-Ospika             | Viable            | 971                        | 29886                           | 32  |
| Flathead                  | Viable            | 175                        | 3324                            | 53  |
| Francois                  | Viable            | 58                         | 7778                            | 7   |
| Hart                      | Viable            | 244                        | 19509                           | 13  |
| Hyland                    | Viable            | 231                        | 17053                           | 14  |
| Khutzeymateen             | Viable            | 280                        | 7440                            | 38  |
| Kingcome-Wakeman          | Viable            | 199                        | 5005                            | 40  |
| Kitlope-Fiordland         | Viable            | 214                        | 9323                            | 23  |
| Klinaklini-Homathko       | Viable            | 251                        | 11677                           | 21  |
| Knight-Bute               | Viable            | 250                        | 5524                            | 45  |
| Kwatna-Owikeno            | Viable            | 229                        | 9612                            | 24  |
| Moberly                   | Viable            | 71                         | 7399                            | 10  |
| Muskwa                    | Viable            | 840                        | 35492                           | 24  |
| Nation                    | Viable            | 170                        | 17551                           | 10  |
| North Coast               | Viable            | 190                        | 6222                            | 31  |
| North Purcell             | Viable            | 234                        | 5196                            | 45  |
| North Selkirk             | Viable            | 265                        | 5455                            | 49  |
| Nulki                     | Viable            | 44                         | 16499                           | 3   |
| Omineca                   | Viable            | 402                        | 28723                           | 14  |
| Parsnip                   | Viable            | 455                        | 10793                           | 42  |
| Quesnel Lake North        | Viable            | 187                        | 8727                            | 21  |
| Robson                    | Viable            | 534                        | 19165                           | 28  |
| Rockies Park Ranges       | Viable            | 116                        | 5689                            | 20  |
| Rocky                     | Viable            | 538                        | 37870                           | 14  |
| South Rockies             | Viable            | 305                        | 8119                            | 38  |
| Spatsizi                  | Viable            | 666                        | 21454                           | 31  |

| GBPU Name                | Population Status | Population Estimate (2012) | Area of useable habitat (sq km) | Estimated population density (Grizzly bears/1000 sq km) |
|--------------------------|-------------------|----------------------------|---------------------------------|---|
| Spillamacheen            | Viable            | 98                         | 3877                            | 25  |
| Stewart                  | Viable            | 358                        | 9376                            | 38  |
| Taiga                    | Viable            | 94                         | 49578                           | 2   |
| Taku                     | Viable            | 575                        | 27956                           | 21  |
| Tatshenshini             | Viable            | 407                        | 14174                           | 29  |
| Toba-Bute                | Viable            | 116                        | 6303                            | 18  |
| Tweedsmuir               | Viable            | 368                        | 17258                           | 21  |
| Upper Skeena-Nass        | Viable            | 755                        | 16725                           | 45  |
| Valhalla                 | Viable            | 83                         | 3383                            | 25  |
| Wells Gray               | Viable            | 317                        | 12248                           | 26  |
| TOTAL (British Columbia) | --                | 15070                      | 753269                          | <1 to 53  |



#### Notes about this chart:

The vertical axes are scaled differently in each panel of the graph.

\*Prior to 2004, road and rail kills were not distinguished and were documented with 'Pick Ups'.

A Limited Entry Hunt (LEH) was instituted province-wide for grizzly bears in 1996.

There was a province-wide moratorium on hunting grizzly bears in the spring of 2001.

## References and other useful links

- BC Ministry of Forests, Lands, and Natural Resource Operations. [Grizzly Bear Ecology, Conservation, and Management.](#)
- <sup>1</sup>BC Ministry of Forests, Lands, and Natural Resource Operations. 2012. [2012 Grizzly bear population estimate for British Columbia](#)
- BC Ministry of Forests, Lands, and Natural Resource Operations. [Grizzly bear hunting in BC FAQ](#)
- BC "Bear Aware" Program: [www.bearaware.bc.ca](http://www.bearaware.bc.ca)
- Apps, C.D., B.N. McLellan, J.G. Woods, and M.F. Proctor. 2004. Estimating Grizzly bear distribution and abundance relative to habitat and human influence. *Journal of Wildlife Management* 68: 138-152.
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- Proctor, M. et al. 2012. Population fragmentation and inter-ecosystem movements of Grizzly bears in western Canada and the northern United States. *Journal of Wildlife Management*. *Wildlife Monographs* 180:1-46.
- Smith, J. 2010. Challenges for grizzly bear management in BC in Human Dimensions of Natural Resource Management (Conference Proceedings), Oct 6-7, 2010, Revelstoke British Columbia. Columbia Mountains Institute of Applied Ecology. PP 49-58. Available online at: [http://www.cmiae.org/\\_PDF/CMI-Human-Dimensions-2010-conference-summary.pdf](http://www.cmiae.org/_PDF/CMI-Human-Dimensions-2010-conference-summary.pdf)

## Data

\*By accessing these datasets, you agree to the license associated with each file, as indicated in parentheses below.

[Grizzly bear population units](#) (License: [BC OGL](#))

[Grizzly bear mortality history in British Columbia \(1976-2011\)](#) (License: [BC OGL](#))

[2012 Grizzly bear population estimate](#) (License: [BC OGL](#))

Published and Available On-Line at Environmental Reporting BC (October 2012):  
<http://www.env.gov.bc.ca/soe/indicators/plants-and-animals/grizzly-bears.html>



## Appendix:

### 2012 Grizzly Bear Population Unit Status and Population Information

| GBPU Name                 | Population Status | Population Estimate (2012) | Area of useable habitat (sq km) | Estimated population density (Grizzly bears/1000 sq km) | Estimation Method         | Hunted? | Reason for not hunting    | Percent area with > 0.6 km of road/sq km (2003) | GBPU Size (Ha) |
|---------------------------|-------------------|----------------------------|---------------------------------|---|---------------------------|---------|---------------------------|---|----------------|
| Blackwater-West Chilcotin | Threatened*       | 53                         | 20416                           | 3   | Model; Expert Opinion     | N       | Threatened                | 30  | 2072430        |
| Garibaldi-Pitt            | Threatened*       | 2                          | 6031                            | 0   | Inventory; Expert Opinion | N       | Threatened                | 25  | 660433         |
| Kettle-Granby             | Threatened*       | 86                         | 6519                            | 13  | Model; Expert Opinion     | N       | Threatened                | 46  | 658452         |
| North Cascades            | Threatened*       | 6                          | 9731                            | 1   | Expert Opinion            | N       | Threatened                | 40  | 980754         |
| South Chilcotin Ranges    | Threatened*       | 203                        | 15220                           | 13  | Inventory                 | N       | Threatened                | 23  | 1620065        |
| South Selkirk             | Threatened*       | 58                         | 3996                            | 15  | Inventory                 | N       | Threatened                | 47  | 407417         |
| Squamish-Lillooet         | Threatened*       | 59                         | 5019                            | 12  | Inventory                 | N       | Threatened                | 19  | 582834         |
| Stein-Nahatlatch          | Threatened*       | 24                         | 7510                            | 3   | Inventory                 | N       | Threatened                | 23  | 779768         |
| Yahk                      | Threatened*       | 20                         | 2670                            | 7   | Inventory                 | N       | Threatened                | 63  | 271897         |
| Alta                      | Viable            | 132                        | 13240                           | 10  | Expert Opinion            | Y       |                           | 39  | 1325612        |
| Babine                    | Viable            | 313                        | 13805                           | 23  | Model; Expert Opinion     | Y       |                           | 20  | 1432261        |
| Bulkley-Lakes             | Viable            | 439                        | 22554                           | 19  | Expert Opinion            | Y       |                           | 20  | 2388391        |
| Cassiar                   | Viable            | 612                        | 35803                           | 17  | Model; Expert Opinion     | Y       |                           | 5   | 3693718        |
| Central Monashee          | Viable            | 147                        | 6155                            | 24  | Model; Expert Opinion     | Y       |                           | 43  | 634892         |
| Central Purcells          | Viable            | 176                        | 11288                           | 16  | Inventory                 | Y       |                           | 34  | 1151669        |
| Central Rockies           | Viable            | 169                        | 6205                            | 27  | Model                     | Y       |                           | 20  | 709307         |
| Central Selkirk           | Viable            | 188                        | 5512                            | 34  | Model                     | Y       |                           | 32  | 568144         |
| Columbia-Shuswap          | Viable            | 346                        | 14426                           | 24  | Model; Expert Opinion     | Y       |                           | 40  | 1538215        |
| Cranberry                 | Viable            | 349                        | 11489                           | 30  | Model; Expert Opinion     | Y       |                           | 14  | 1164950        |
| Edziza-Lower Stikine      | Viable            | 398                        | 14317                           | 28  | Model                     | Y       |                           | 2   | 1713031        |
| Finlay-Ospika             | Viable            | 971                        | 29886                           | 32  | Model                     | Y       |                           | 6   | 3076763        |
| Flathead                  | Viable            | 175                        | 3324                            | 53  | Inventory                 | Y       |                           | 42  | 343431         |
| Francois                  | Viable            | 58                         | 7778                            | 7   | Expert Opinion            | N       | Population estimate < 100 | 43  | 870173         |
| Hart                      | Viable            | 244                        | 19509                           | 13  | Model; Expert Opinion     | Y       |                           | 29  | 1966122        |
| Hyland                    | Viable            | 231                        | 17053                           | 14  | Expert Opinion            | Y       |                           | 8   | 1737603        |
| Khutzeymateen             | Viable            | 280                        | 7440                            | 38  | Model; Expert Opinion     | N       | Special designation       | 9   | 834508         |
| Kingcome-Wakeman          | Viable            | 199                        | 5005                            | 40  | Inventory                 | Y       |                           | 5   | 686342         |

|                     |        |     |       |    |                                  |   |                           |    |         |
|---------------------|--------|-----|-------|----|----------------------------------|---|---------------------------|----|---------|
| Kitlope-Fiordland   | Viable | 214 | 9323  | 23 | Expert Opinion                   | Y |                           | 0  | 1123946 |
| Klinaklini-Homathko | Viable | 251 | 11677 | 21 | Model; Expert Opinion            | Y |                           | 13 | 1379749 |
| Knight-Bute         | Viable | 250 | 5524  | 45 | Inventory; Expert Opinion        | Y |                           | 17 | 728321  |
| Kwatna-Owikeno      | Viable | 229 | 9612  | 24 | Expert Opinion                   | Y |                           | 3  | 1213802 |
| Moberly             | Viable | 71  | 7399  | 10 | Model                            | N | Population estimate < 100 | 26 | 783370  |
| Muskwa              | Viable | 840 | 35492 | 24 | Model                            | Y |                           | 3  | 3601818 |
| Nation              | Viable | 170 | 17551 | 10 | Inventory; Expert Opinion        | Y |                           | 42 | 1868695 |
| North Coast         | Viable | 190 | 6222  | 31 | Expert Opinion                   | Y |                           | 9  | 716780  |
| North Purcell       | Viable | 234 | 5196  | 45 | Model                            | Y |                           | 14 | 554990  |
| North Selkirk       | Viable | 265 | 5455  | 49 | Model                            | Y |                           | 18 | 610547  |
| Nulki               | Viable | 44  | 16499 | 3  | Model; Expert Opinion            | N | Population estimate < 100 | 62 | 1679753 |
| Omineca             | Viable | 402 | 28723 | 14 | Model; Expert Opinion            | Y |                           | 21 | 3002176 |
| Parsnip             | Viable | 455 | 10793 | 42 | Inventory; Model                 | Y |                           | 17 | 1099617 |
| Quesnel Lake North  | Viable | 187 | 8727  | 21 | Model; Expert Opinion            | Y |                           | 33 | 937538  |
| Robson              | Viable | 534 | 19165 | 28 | Inventory; Model; Expert Opinion | Y |                           | 30 | 2003578 |
| Rockies Park Ranges | Viable | 116 | 5689  | 20 | Model                            | Y |                           | 27 | 584984  |
| Rocky               | Viable | 538 | 37870 | 14 | Model; Expert Opinion            | Y |                           | 20 | 3838127 |
| South Rockies       | Viable | 305 | 8119  | 38 | Inventory                        | Y |                           | 39 | 830622  |
| Spatsizi            | Viable | 666 | 21454 | 31 | Model                            | Y |                           | 2  | 2170178 |
| Spillamacheen       | Viable | 98  | 3877  | 25 | Model                            | Y |                           | 35 | 406874  |
| Stewart             | Viable | 358 | 9376  | 38 | Expert Opinion                   | Y |                           | 2  | 1174043 |
| Taiga               | Viable | 94  | 49578 | 2  | Model; Expert Opinion            | N | Population estimate < 100 | 16 | 5004561 |
| Taku                | Viable | 575 | 27956 | 21 | Expert Opinoin                   | Y |                           | 1  | 3234277 |
| Tatshenshini        | Viable | 407 | 14174 | 29 | Model                            | Y |                           | 1  | 1976523 |
| Toba-Bute           | Viable | 116 | 6303  | 18 | Inventory                        | N | Population estimate < 100 | 9  | 803848  |
| Tweedsmuir          | Viable | 368 | 17258 | 21 | Model; Expert Opinion            | Y |                           | 5  | 1931323 |
| Upper Skeena-Nass   | Viable | 755 | 16725 | 45 | Model                            | Y |                           | 2  | 1699932 |
| Valhalla            | Viable | 83  | 3383  | 25 | Model                            | Y |                           | 39 | 347900  |
| Wells Gray          | Viable | 317 | 12248 | 26 | Model; Expert Opinion            | Y |                           | 31 | 1290854 |

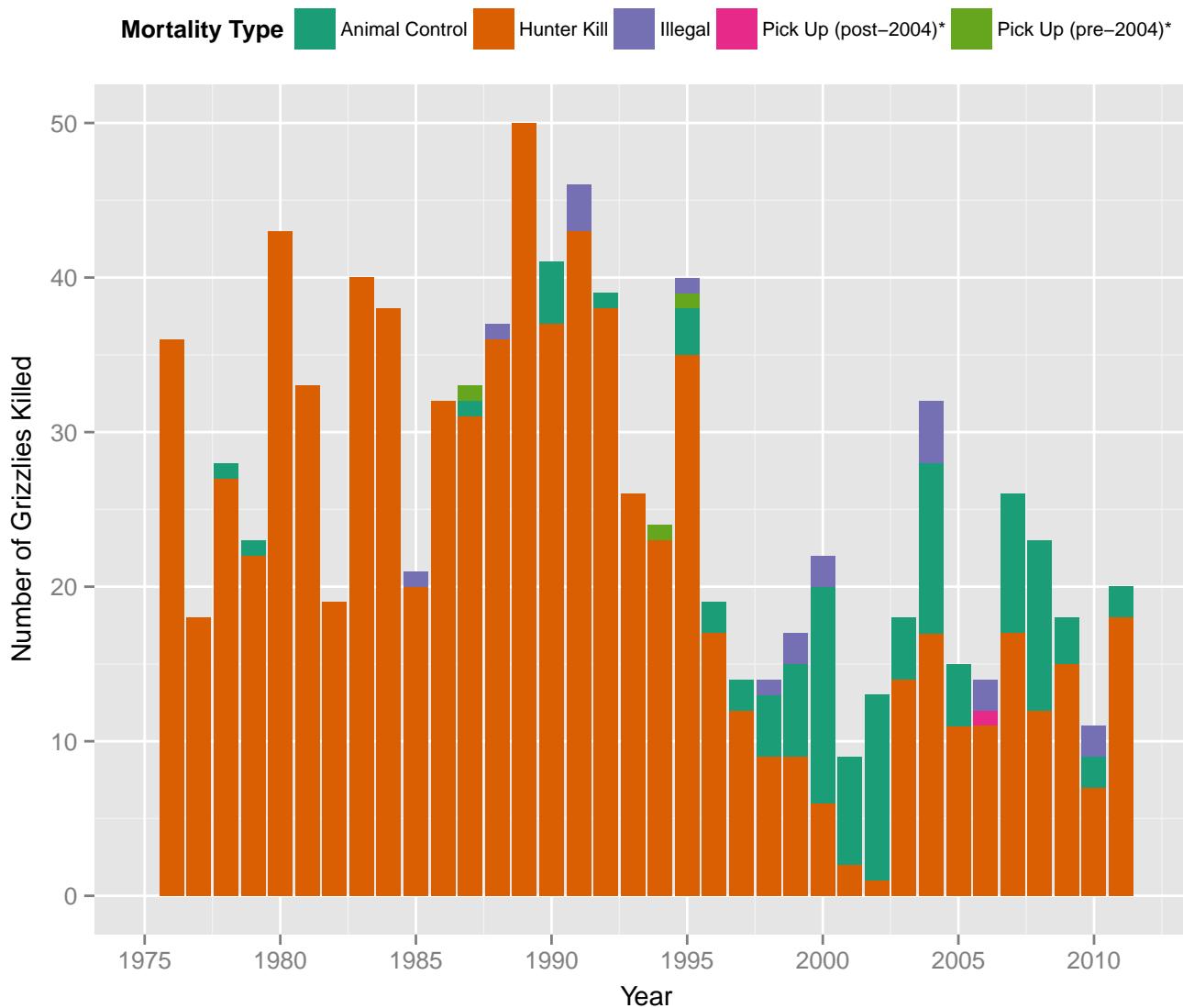
Appendix:  
Mortality history for Grizzly bear population units

1976-2011

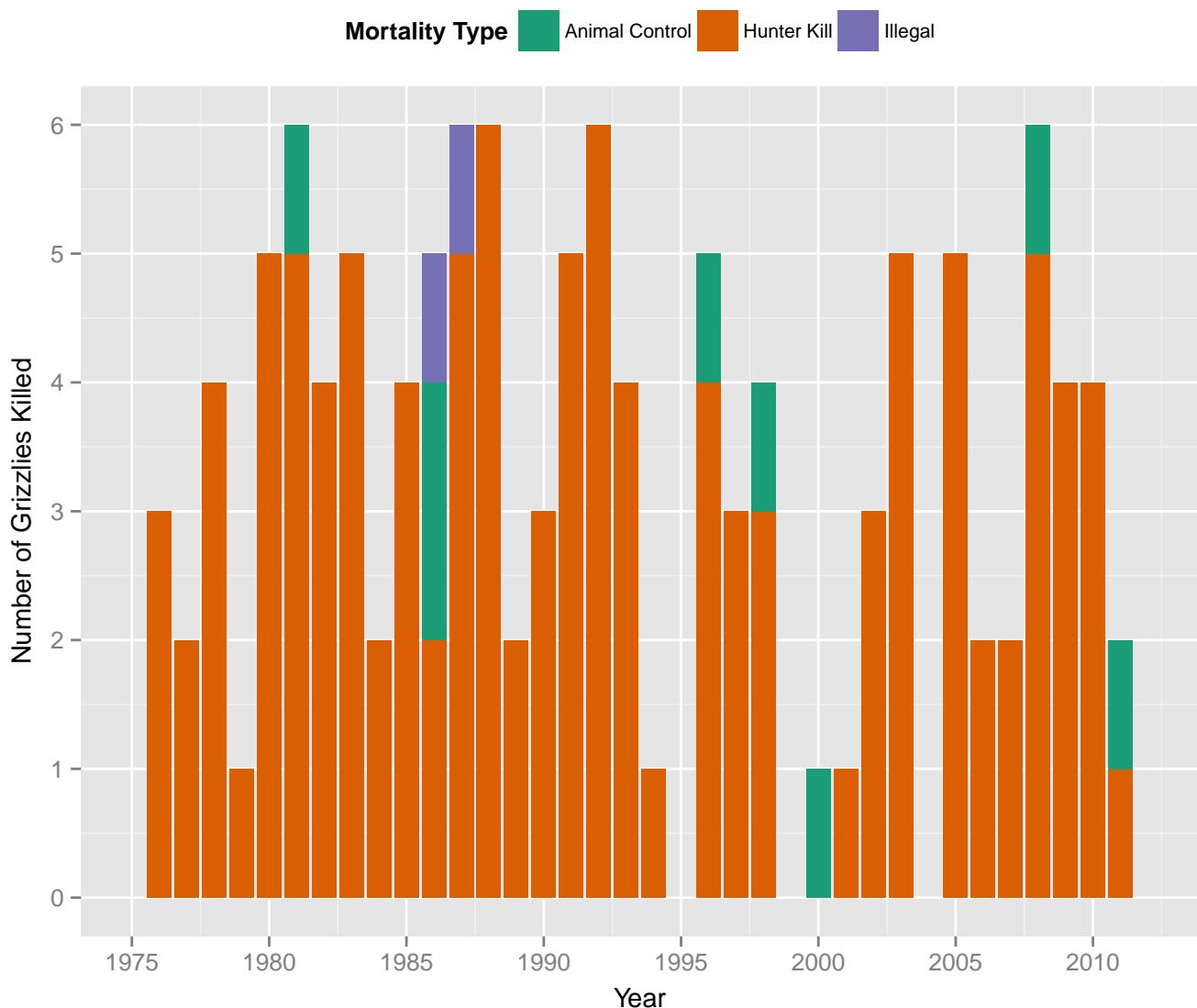
Please note that there are several considerations to remember when viewing these graphs:

- Prior to 2004, road and rail kills were not distinguished and were documented with 'Pick Ups'.
- A Limited Entry Hunt (LEH) was instituted province-wide for grizzly bears in 1996.
- There was a province-wide moratorium on hunting grizzly bears in the spring of 2001.
- A limited number of mortality records cannot be spatially verified and thus may be assigned to the incorrect Grizzly Bear Population Unit (GBPU); most of these potential assignment errors are from 1976-1980.

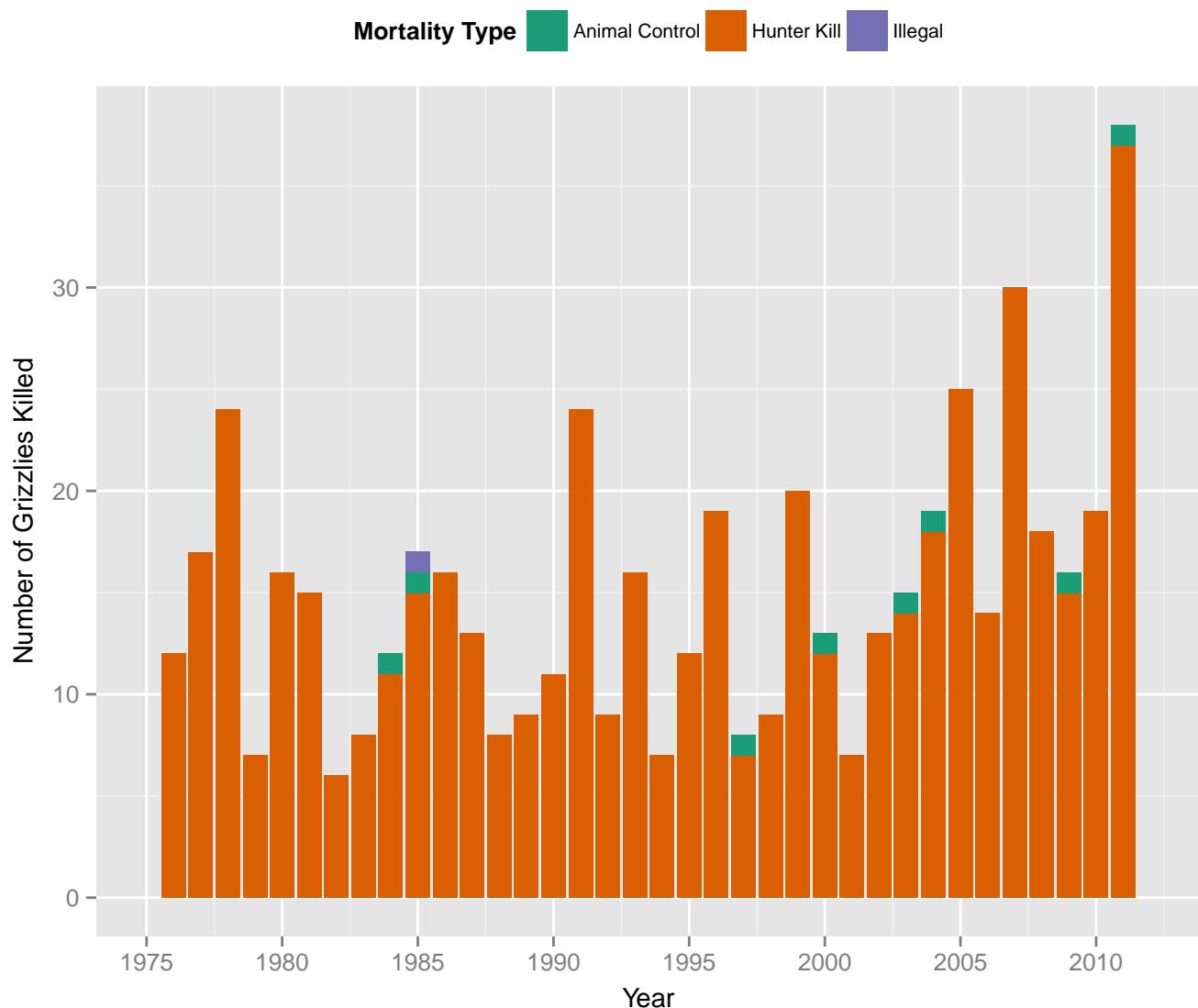
## Mortality history for the 'Rocky' Grizzly bear population unit, 1976–2011



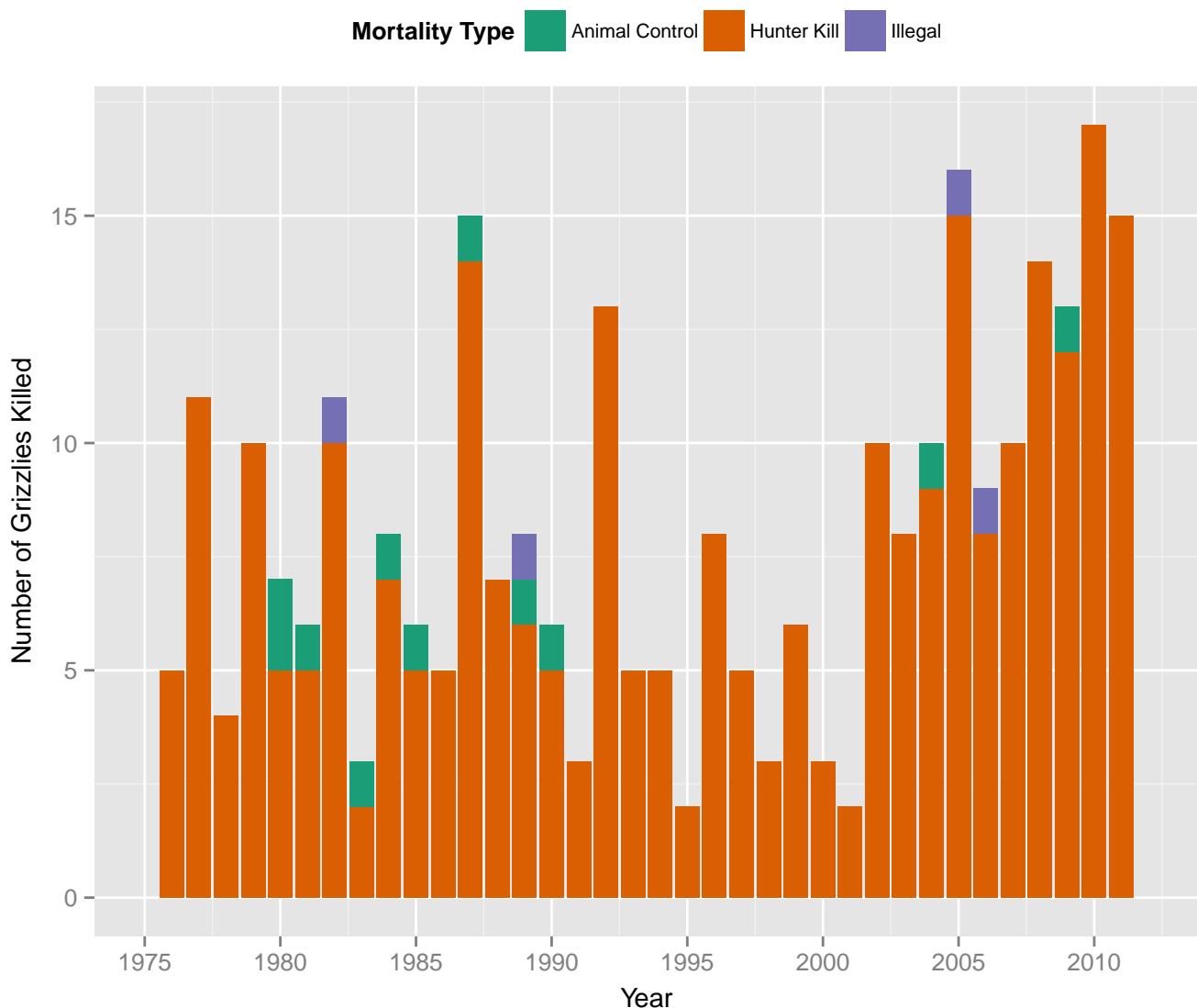
## Mortality history for the 'Alta' Grizzly bear population unit, 1976–2011



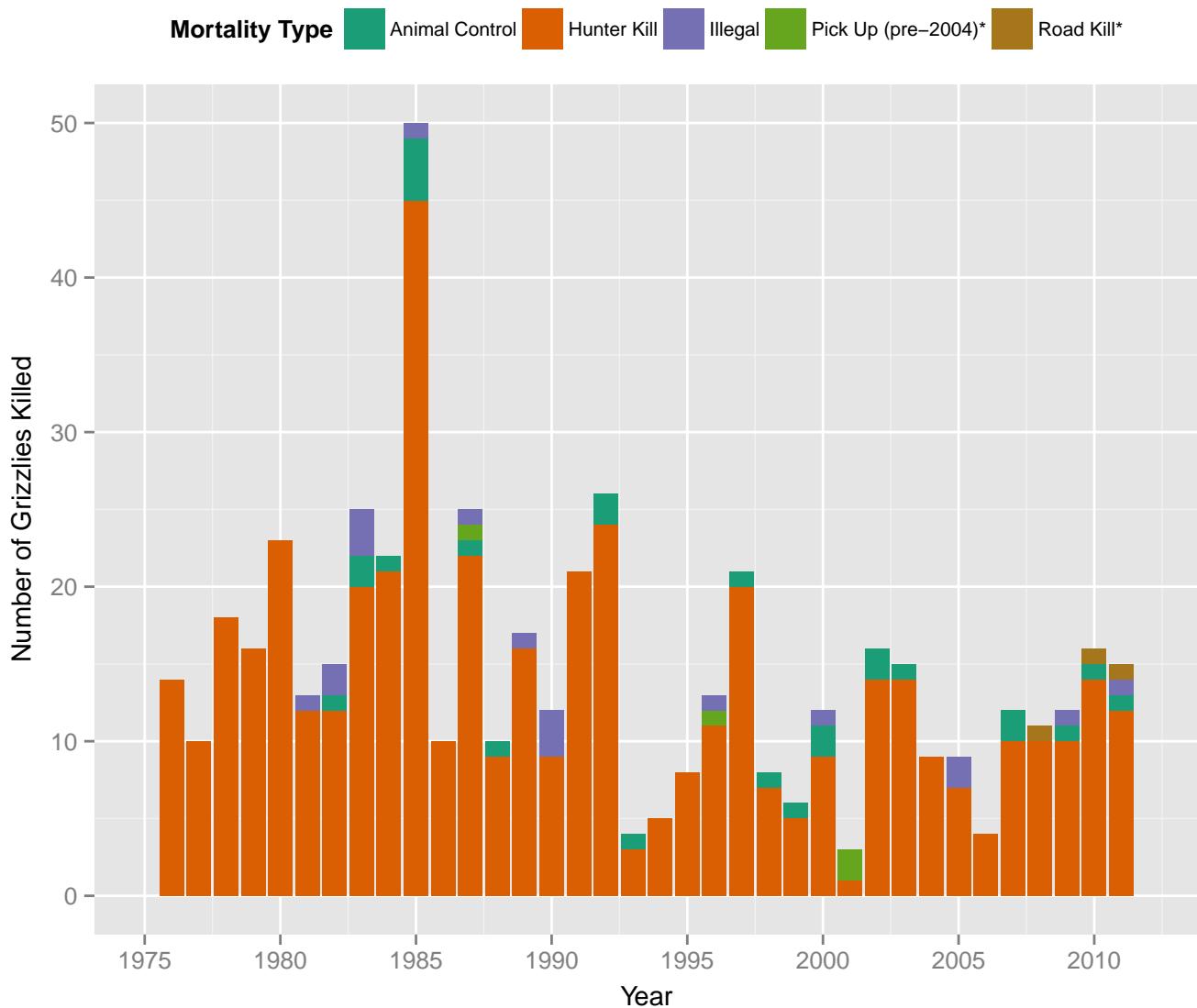
## Mortality history for the 'Finlay–Ospika' Grizzly bear population unit, 1976–2011



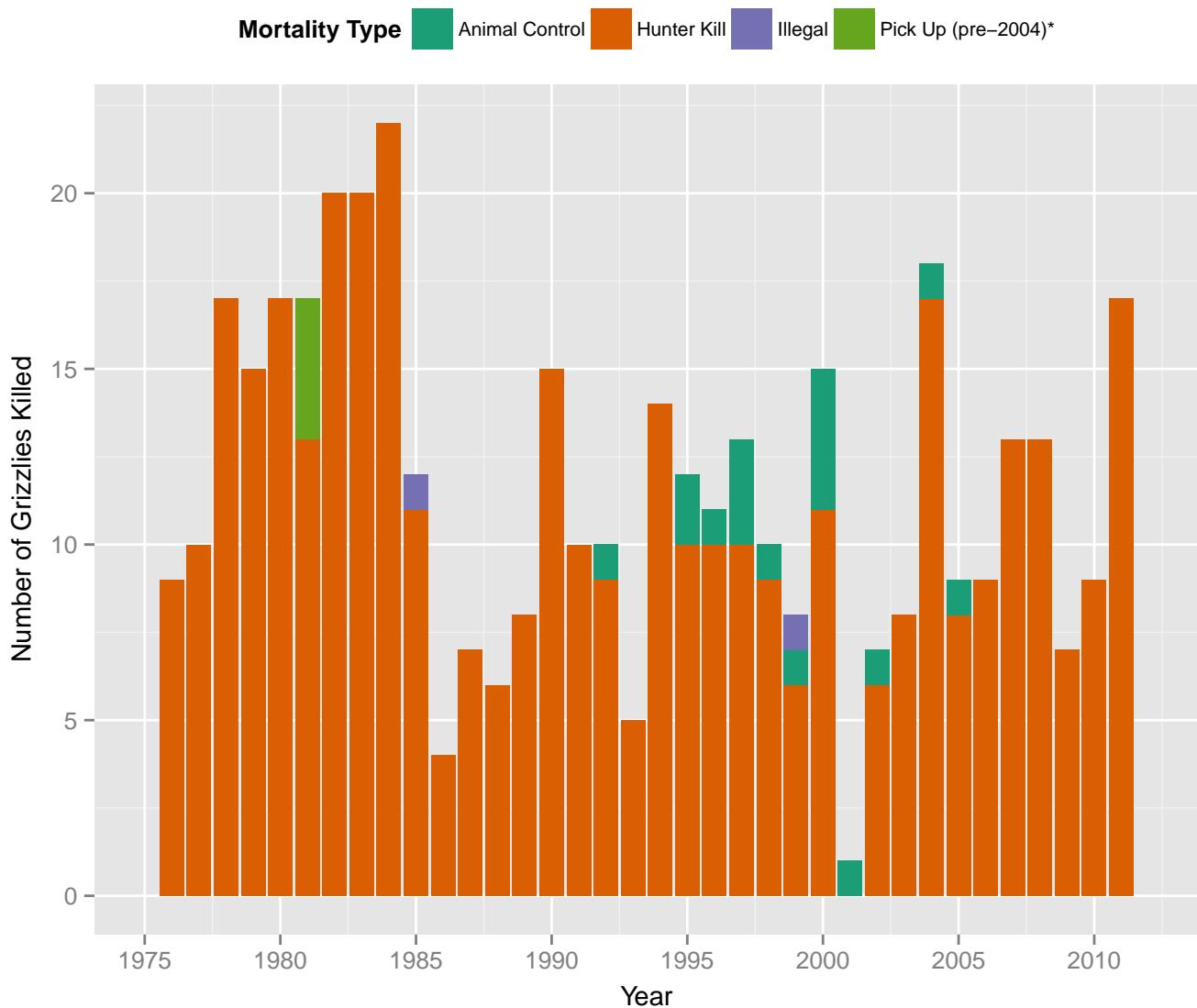
## Mortality history for the 'Omineca' Grizzly bear population unit, 1976–2011



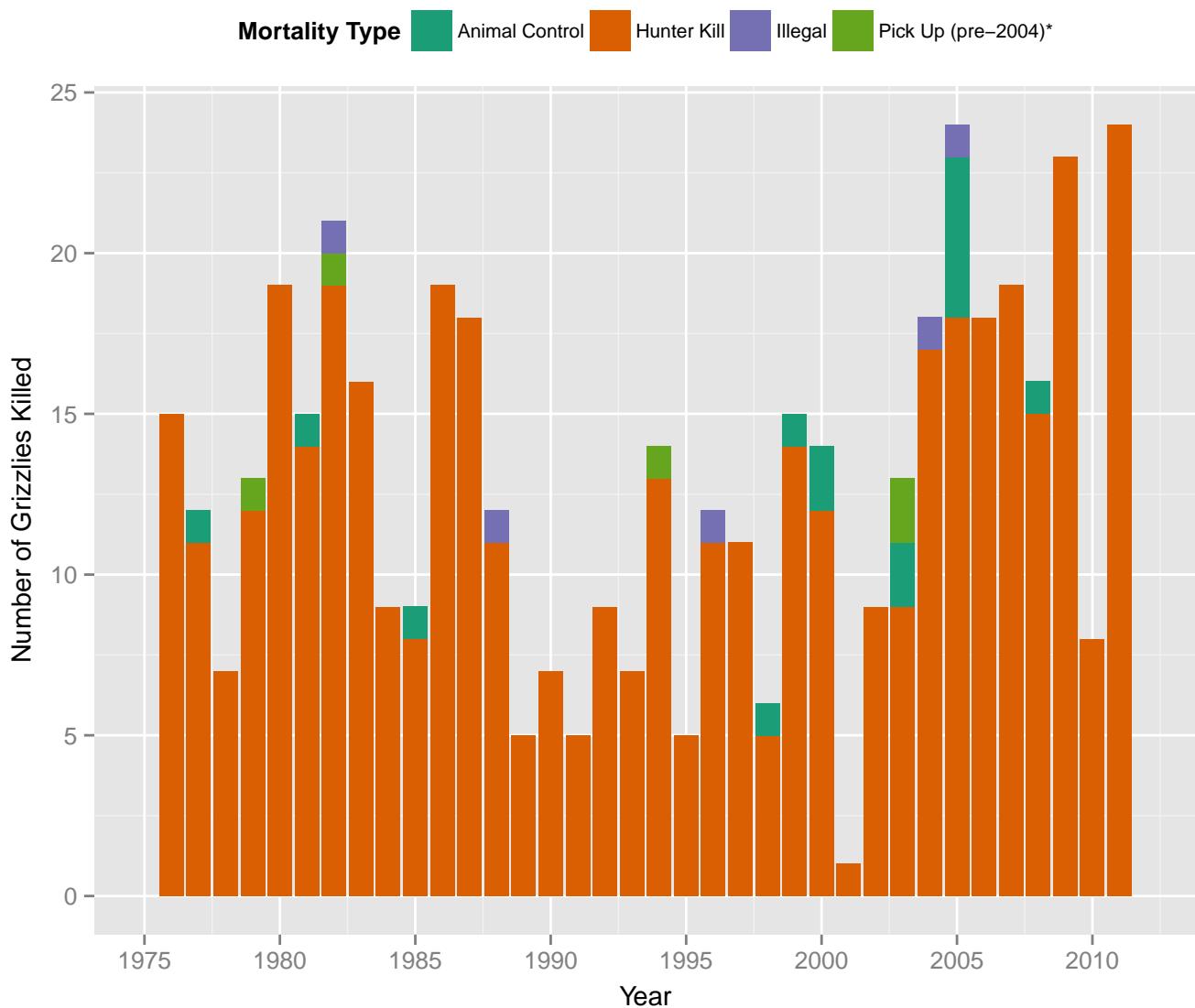
## Mortality history for the 'Hart' Grizzly bear population unit, 1976–2011



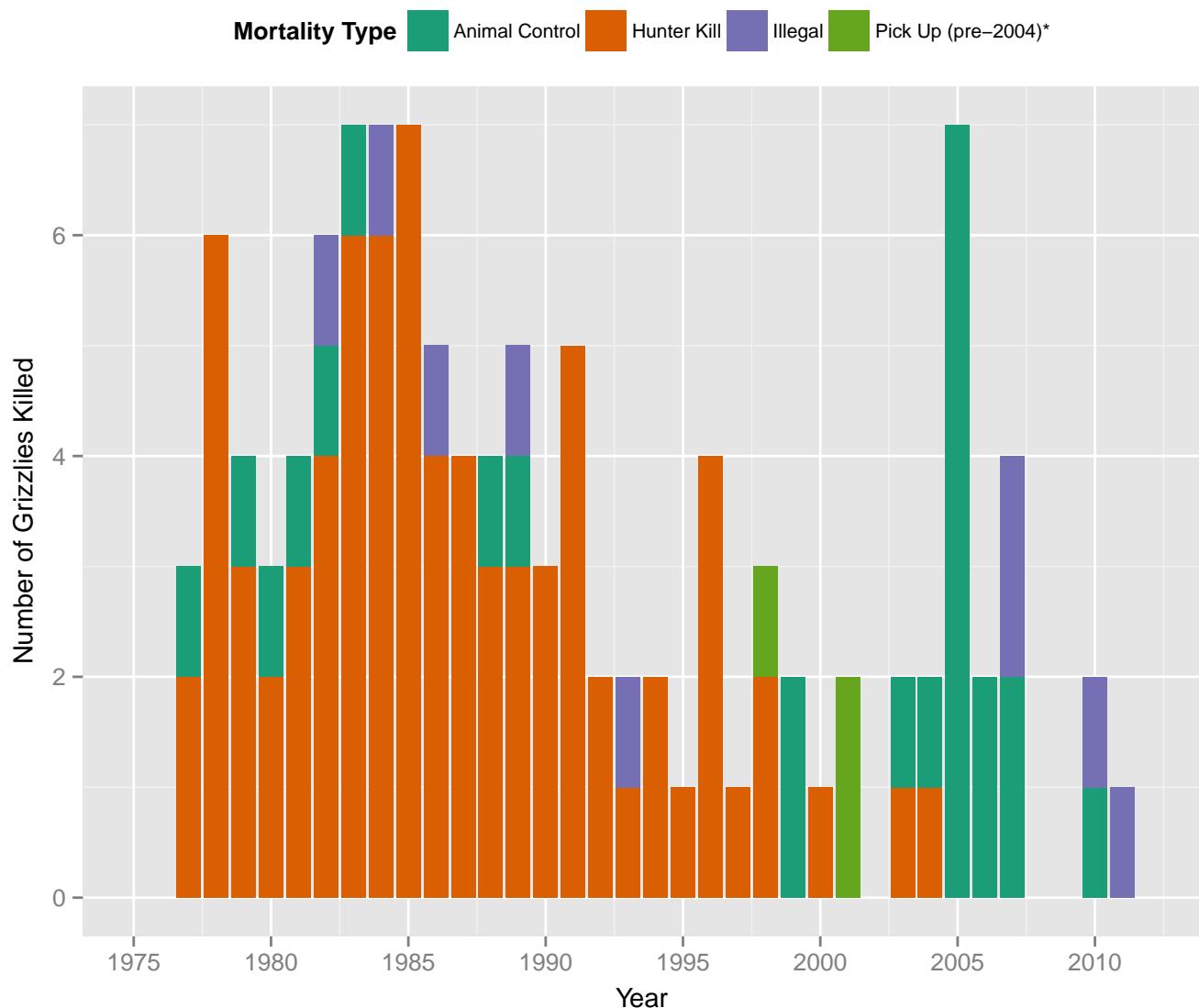
## Mortality history for the 'Parsnip' Grizzly bear population unit, 1976–2011



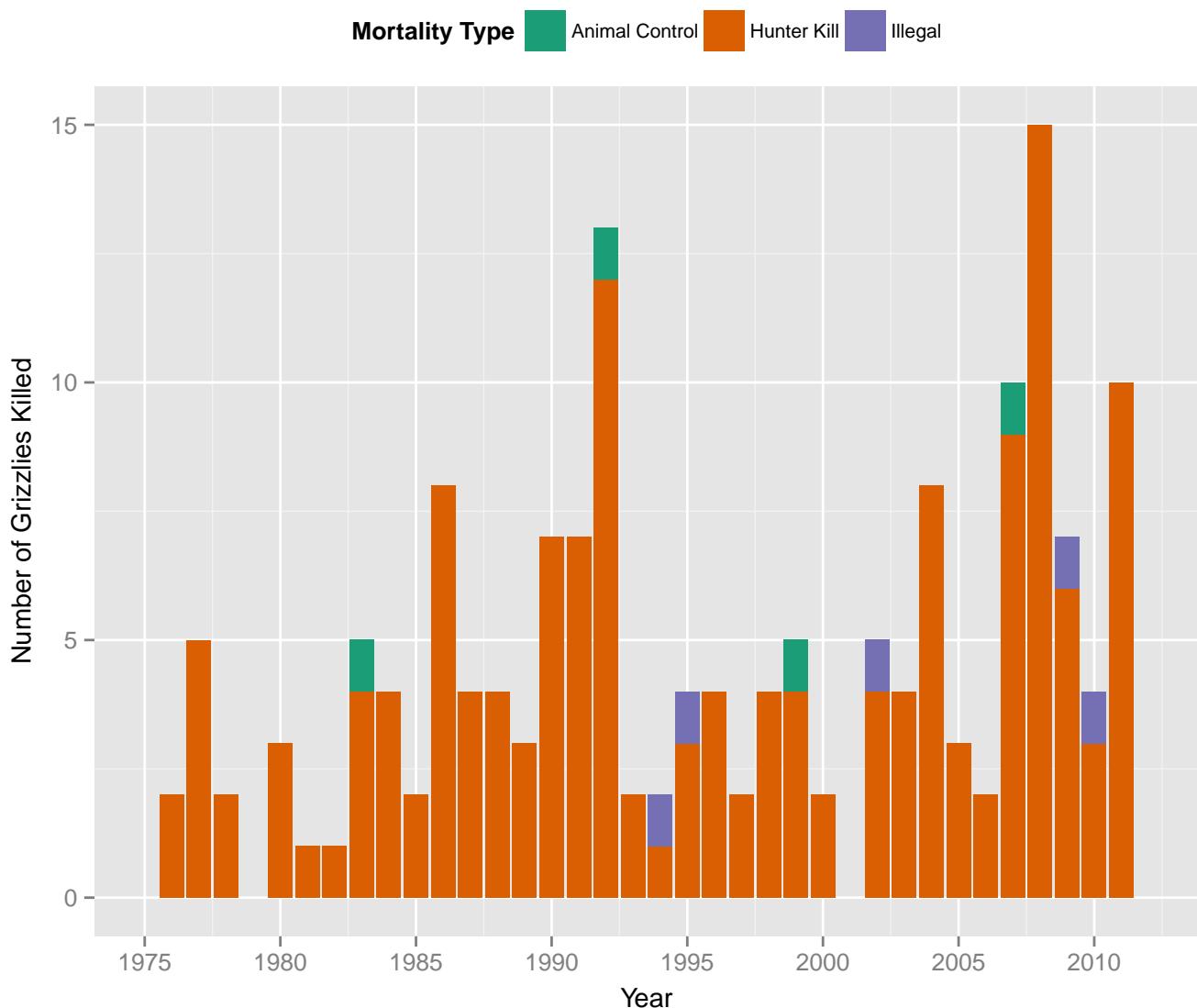
## Mortality history for the 'Robson' Grizzly bear population unit, 1976–2011



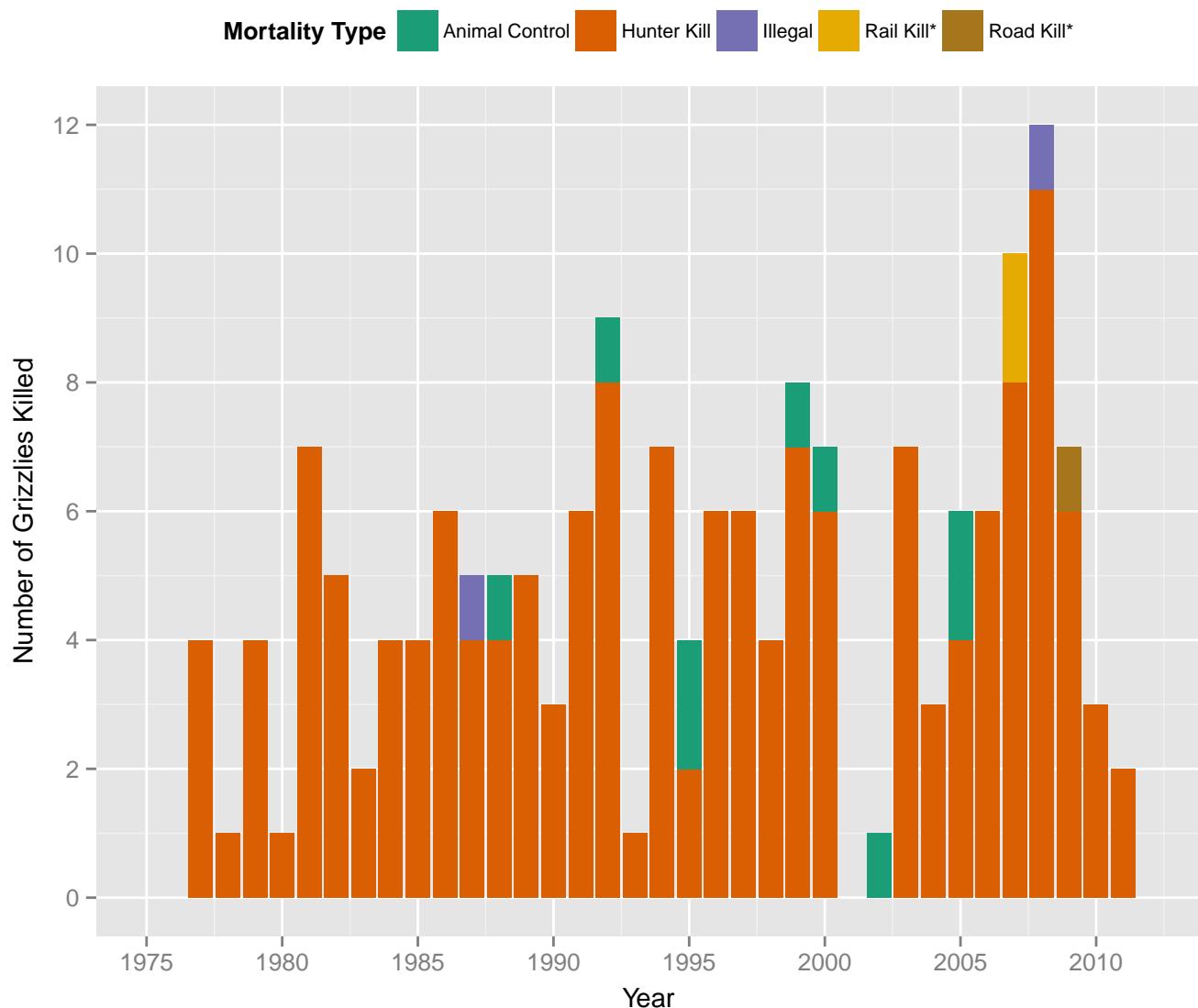
## Mortality history for the 'Blackwater–West Chilcotin' Grizzly bear population unit, 1976–2011



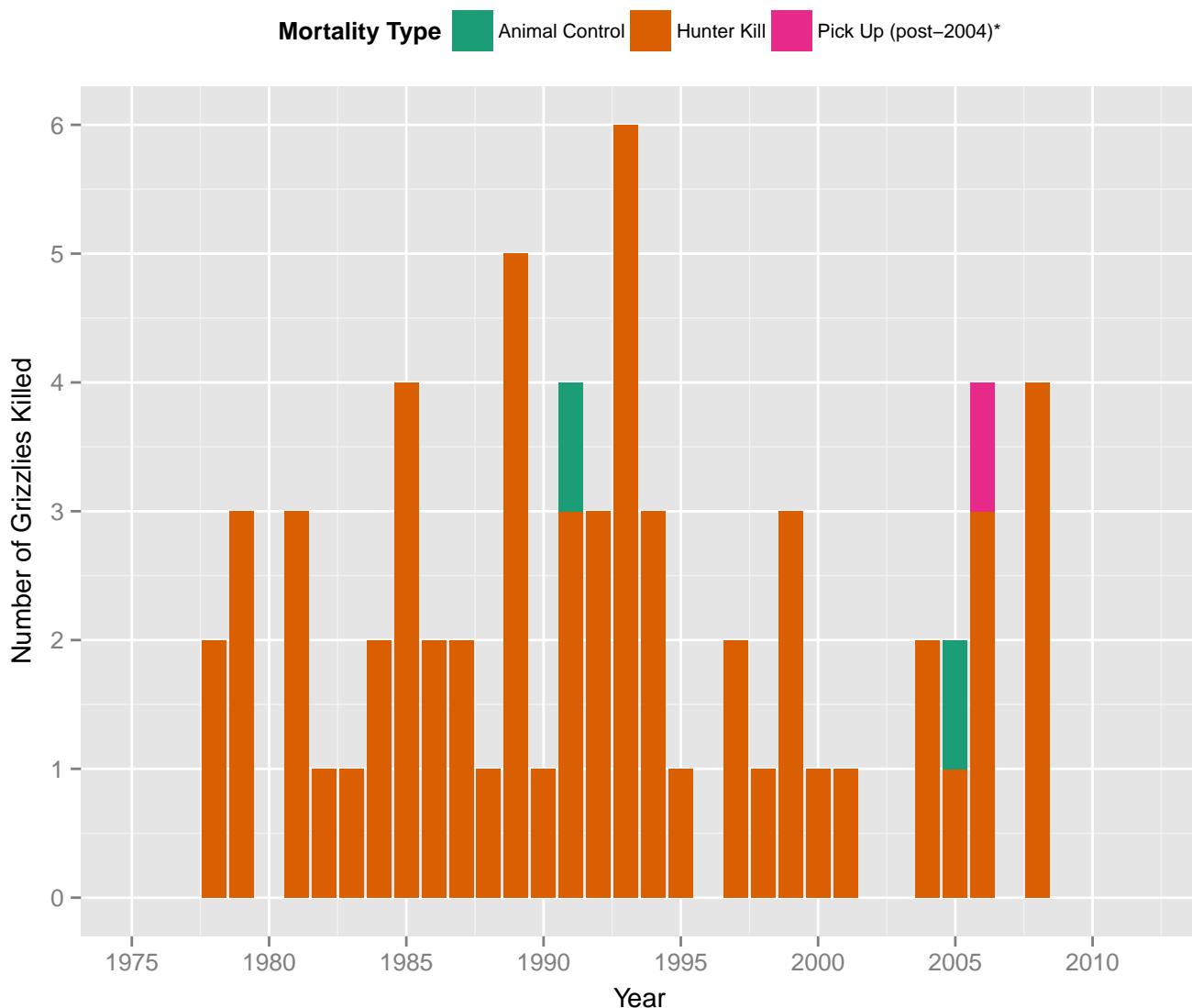
## Mortality history for the 'Quesnel Lake North' Grizzly bear population unit, 1976–2011



## Mortality history for the 'Columbia–Shuswap' Grizzly bear population unit, 1976–2011



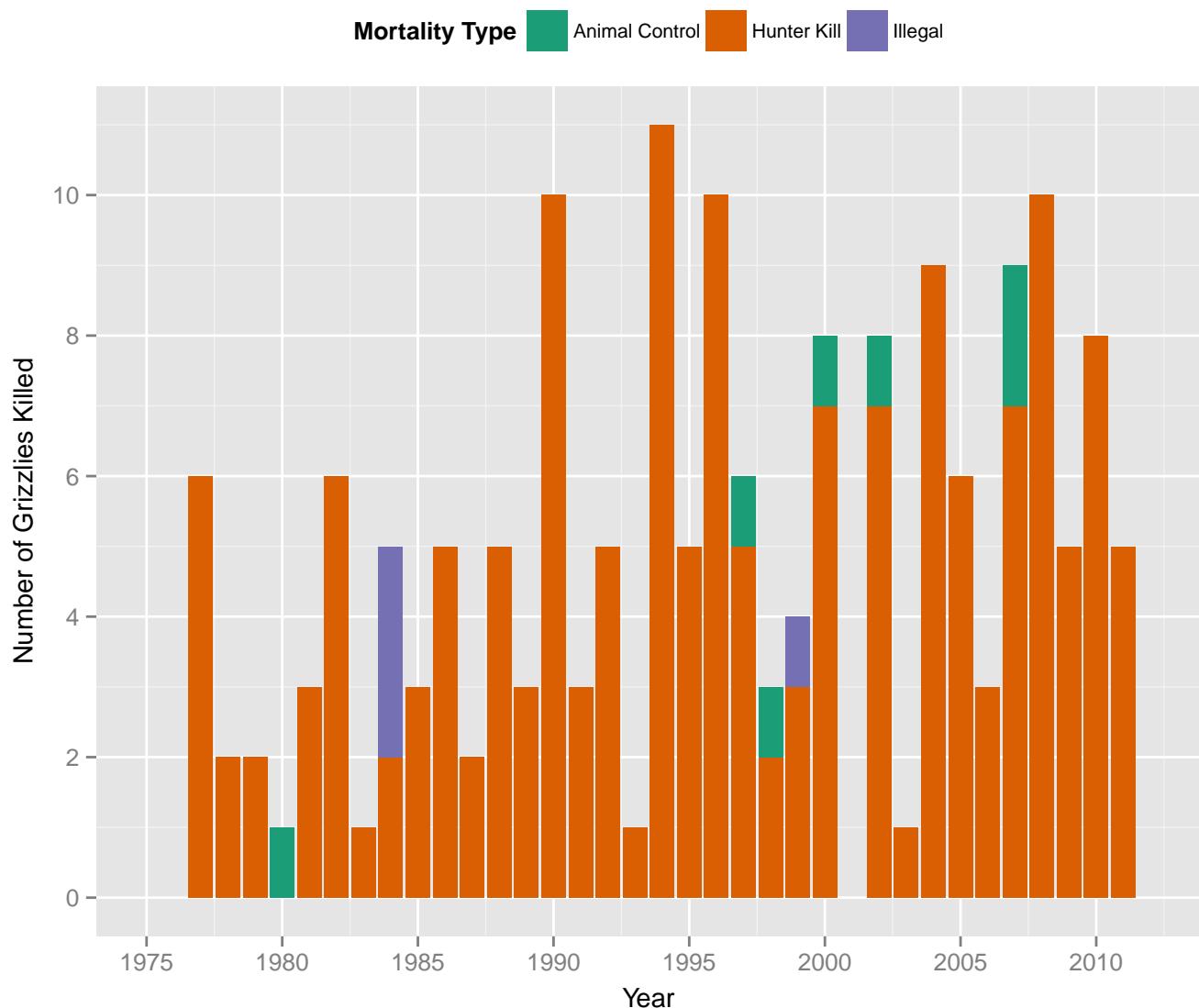
## Mortality history for the 'Kitlope–Fiordland' Grizzly bear population unit, 1976–2011



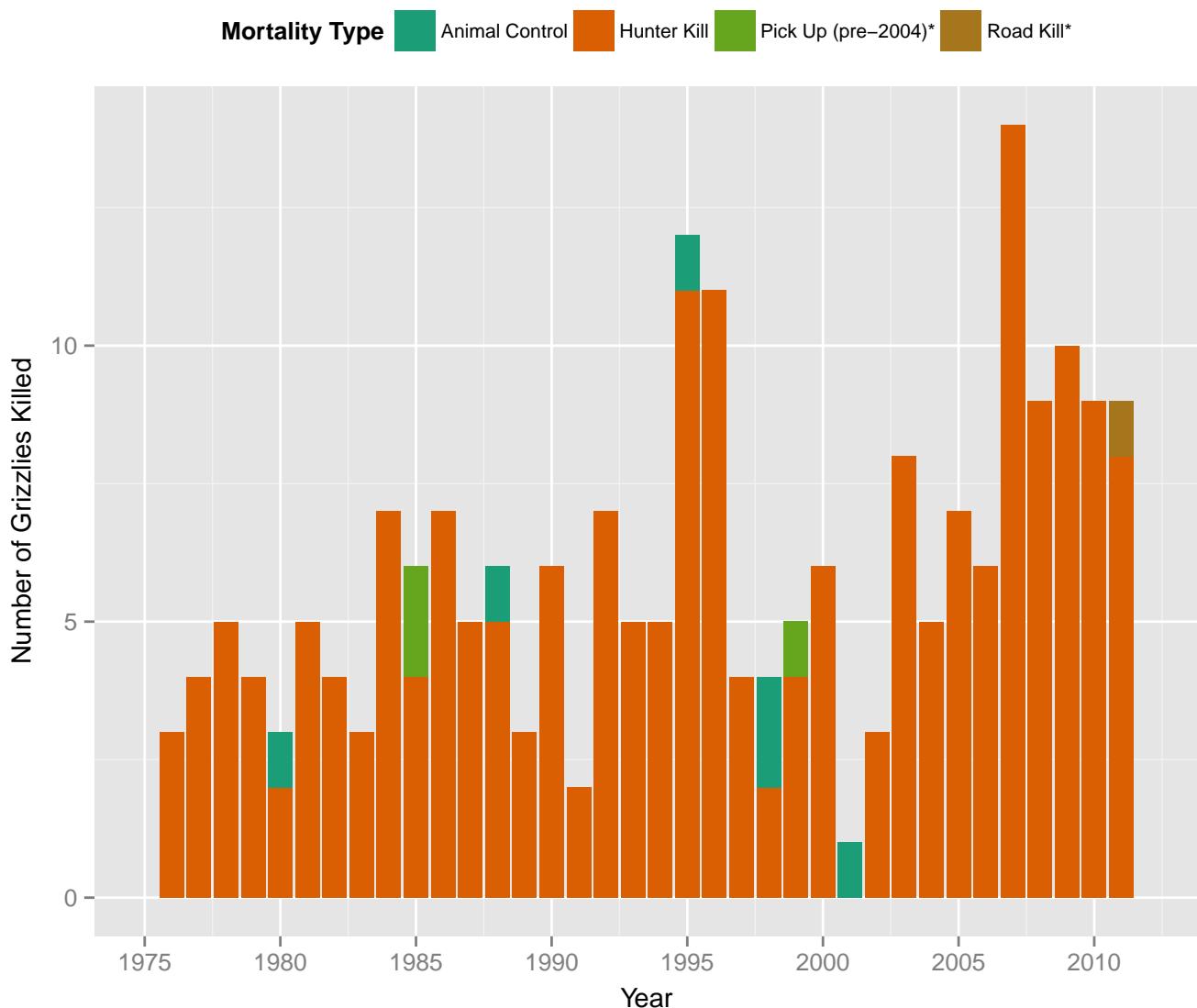
## Mortality history for the 'Wells Gray' Grizzly bear population unit, 1976–2011



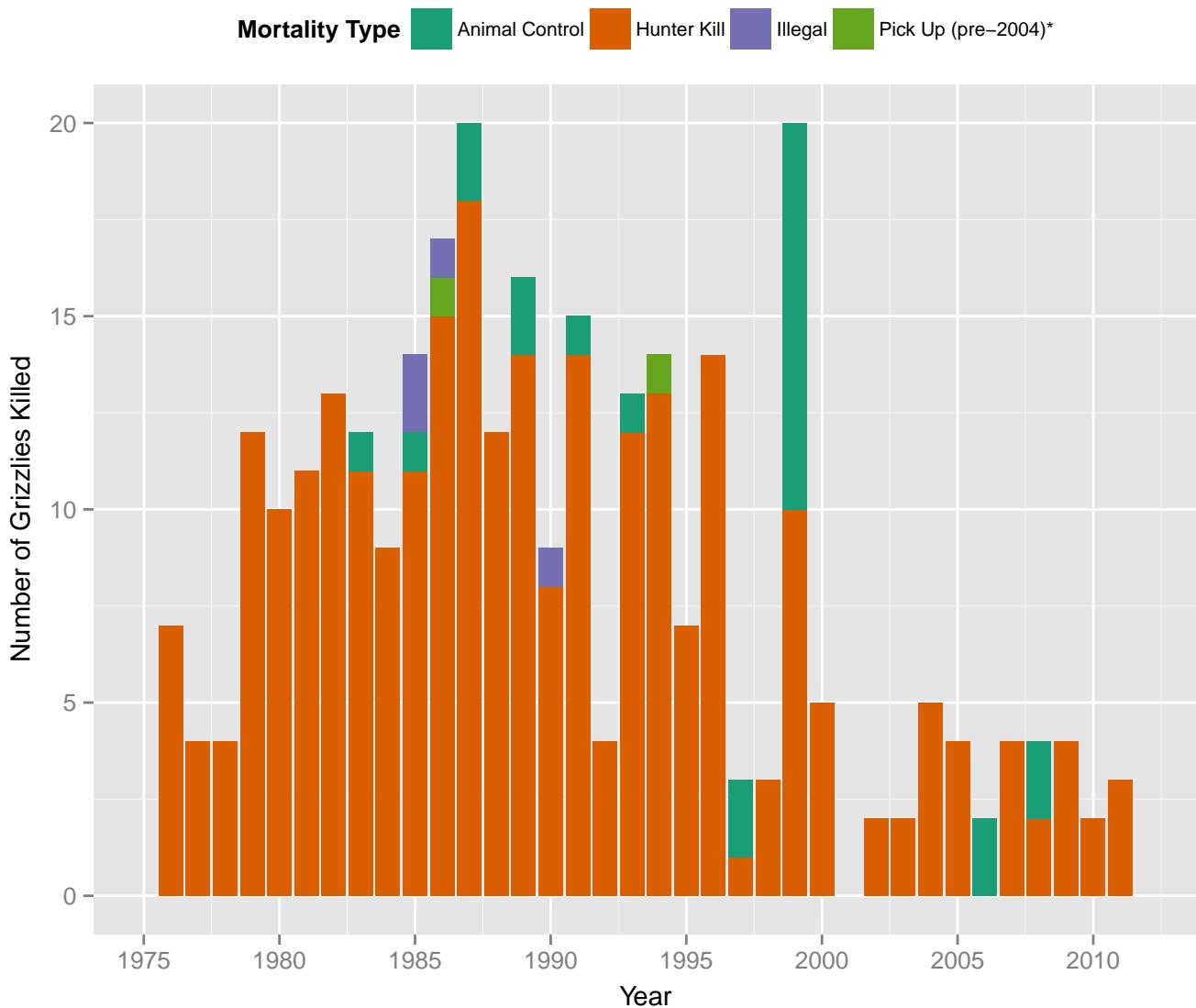
## Mortality history for the 'Central Rockies' Grizzly bear population unit, 1976–2011



## Mortality history for the 'North Selkirk' Grizzly bear population unit, 1976–2011



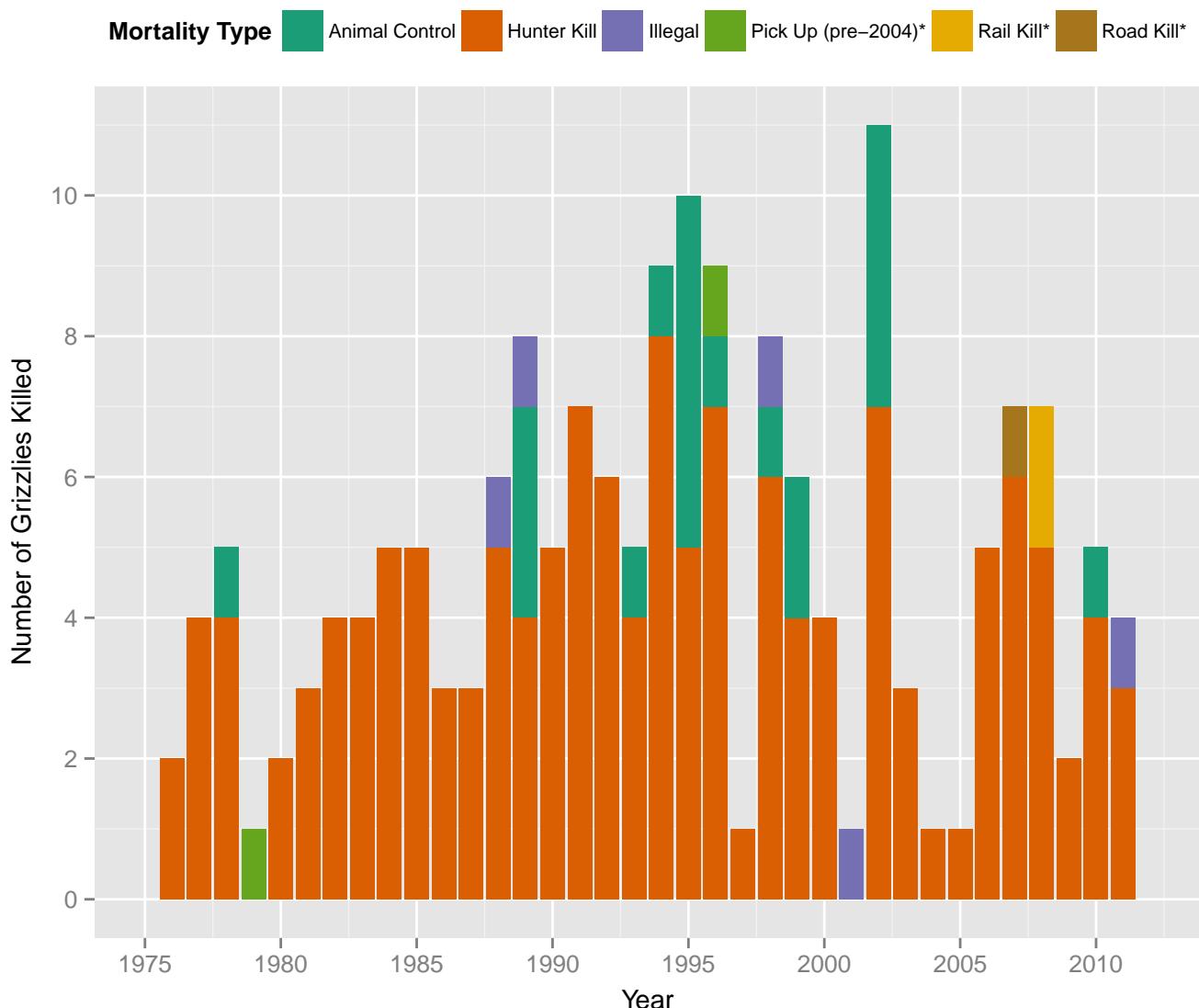
## Mortality history for the 'Kwatna–Owikeno' Grizzly bear population unit, 1976–2011



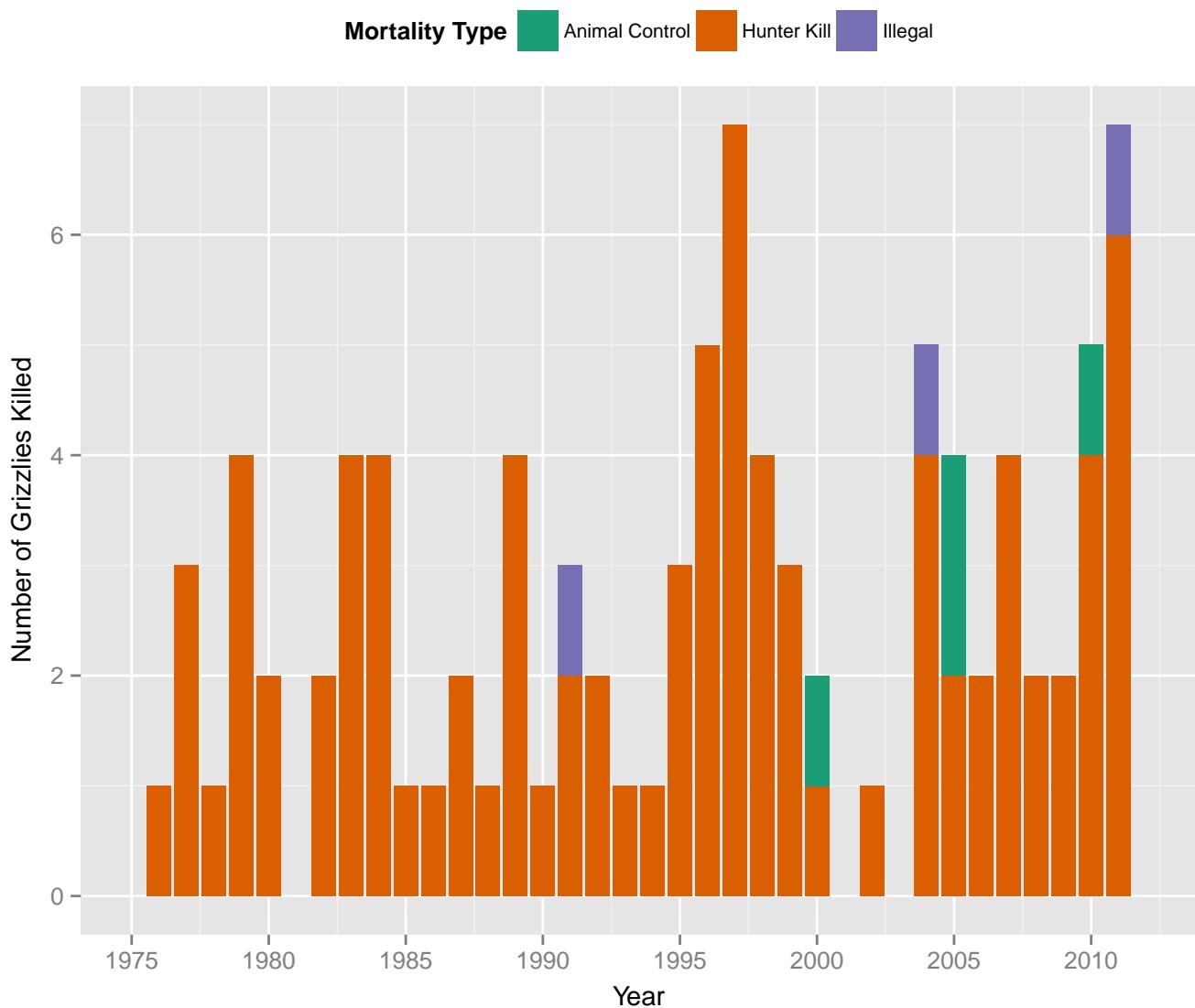
Mortality history for the 'Klinaklini–Homathko' Grizzly bear population unit, 1976–2011



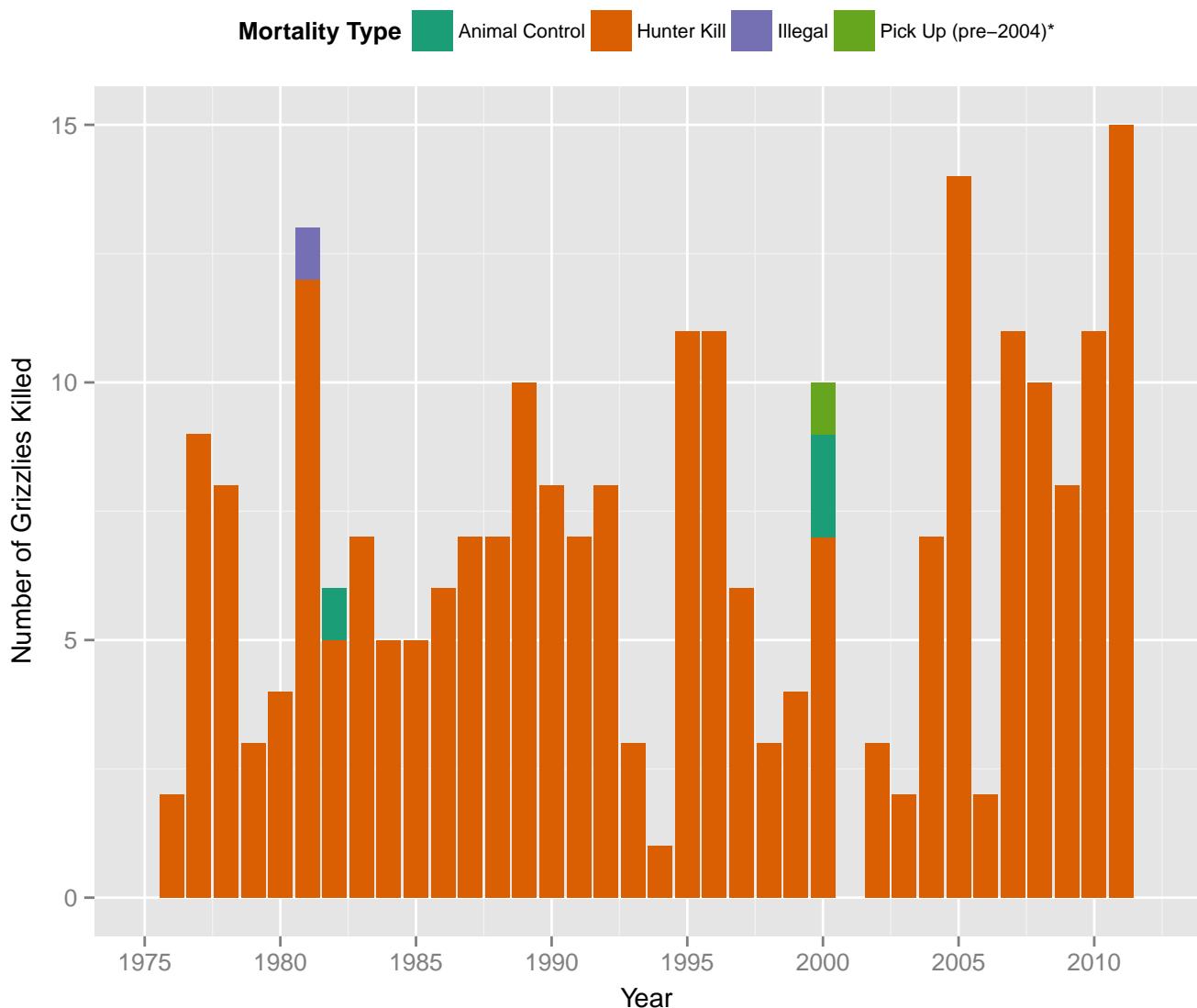
## Mortality history for the 'Rockies Park Ranges' Grizzly bear population unit, 1976–2011



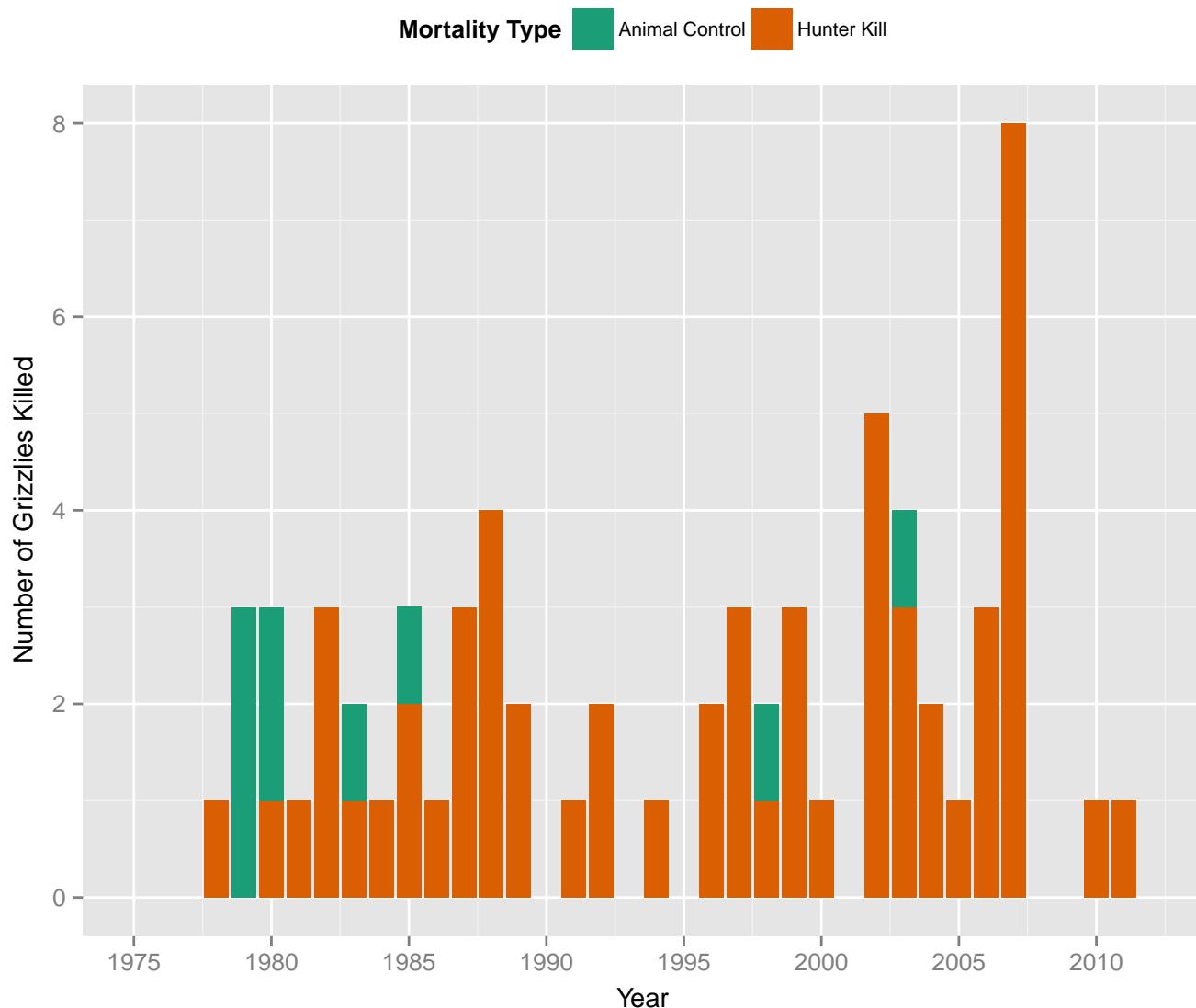
## Mortality history for the 'Spillamacheen' Grizzly bear population unit, 1976–2011



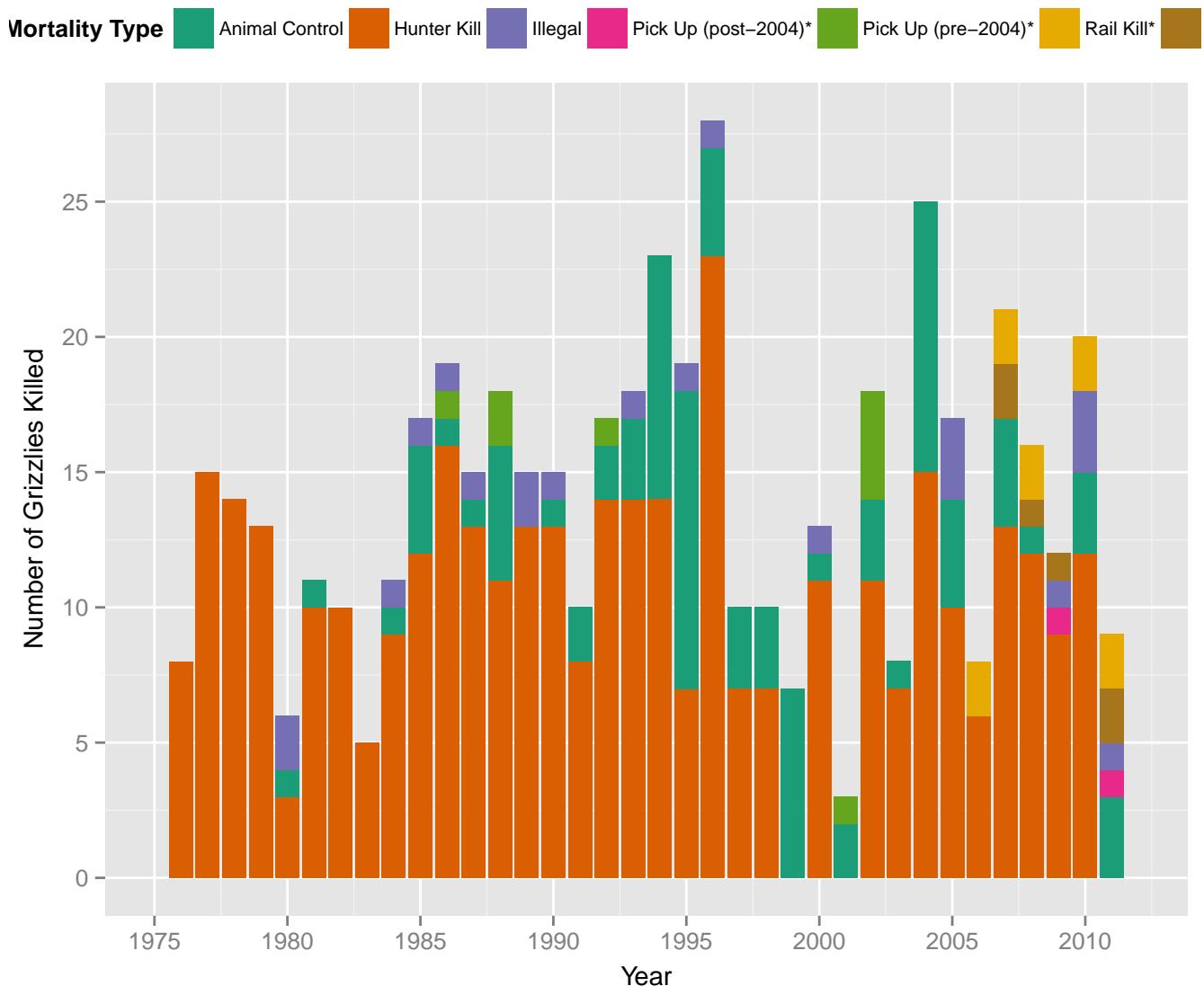
## Mortality history for the 'North Purcell' Grizzly bear population unit, 1976–2011



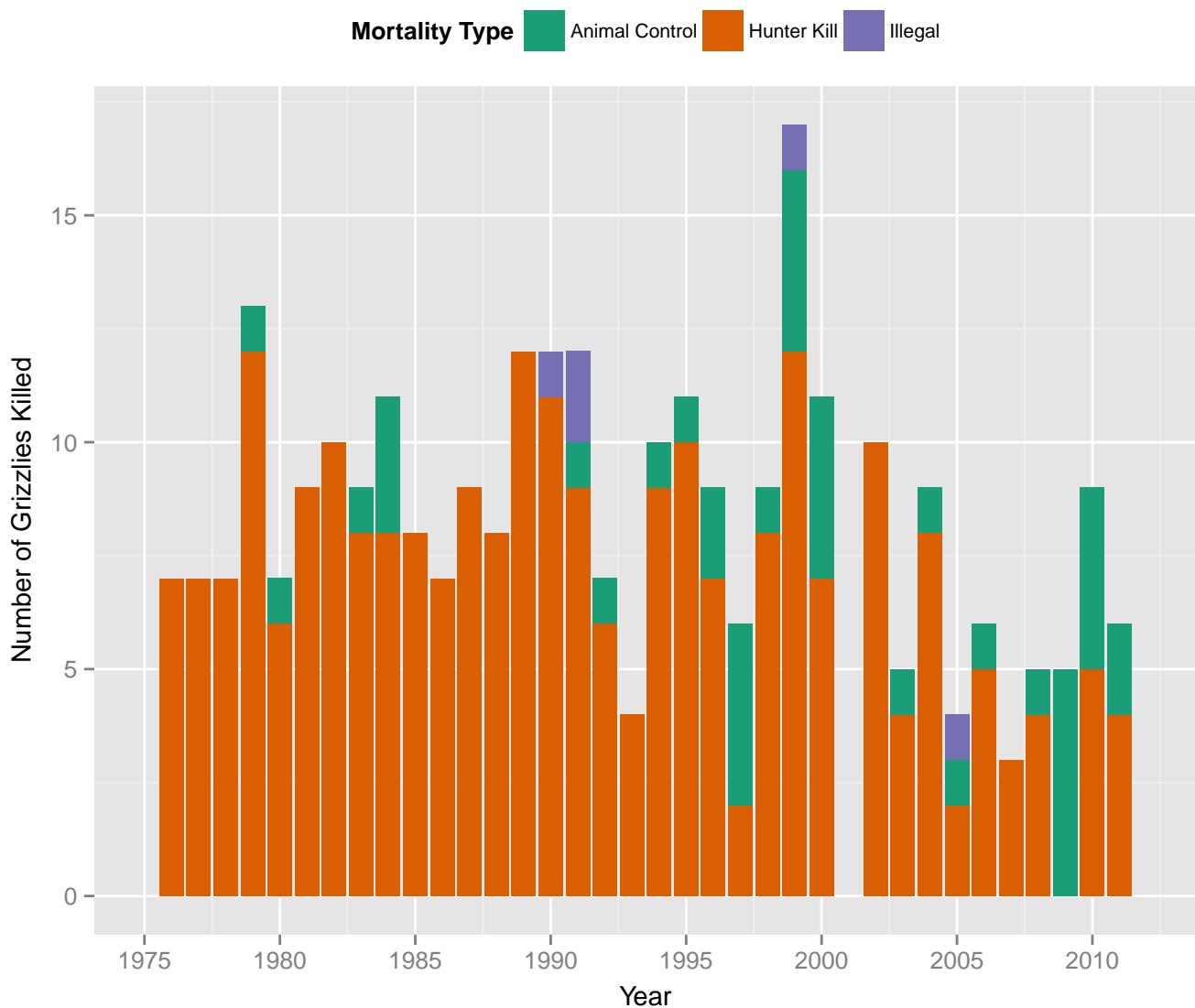
## Mortality history for the 'Kingcome–Wakeman' Grizzly bear population unit, 1976–2011



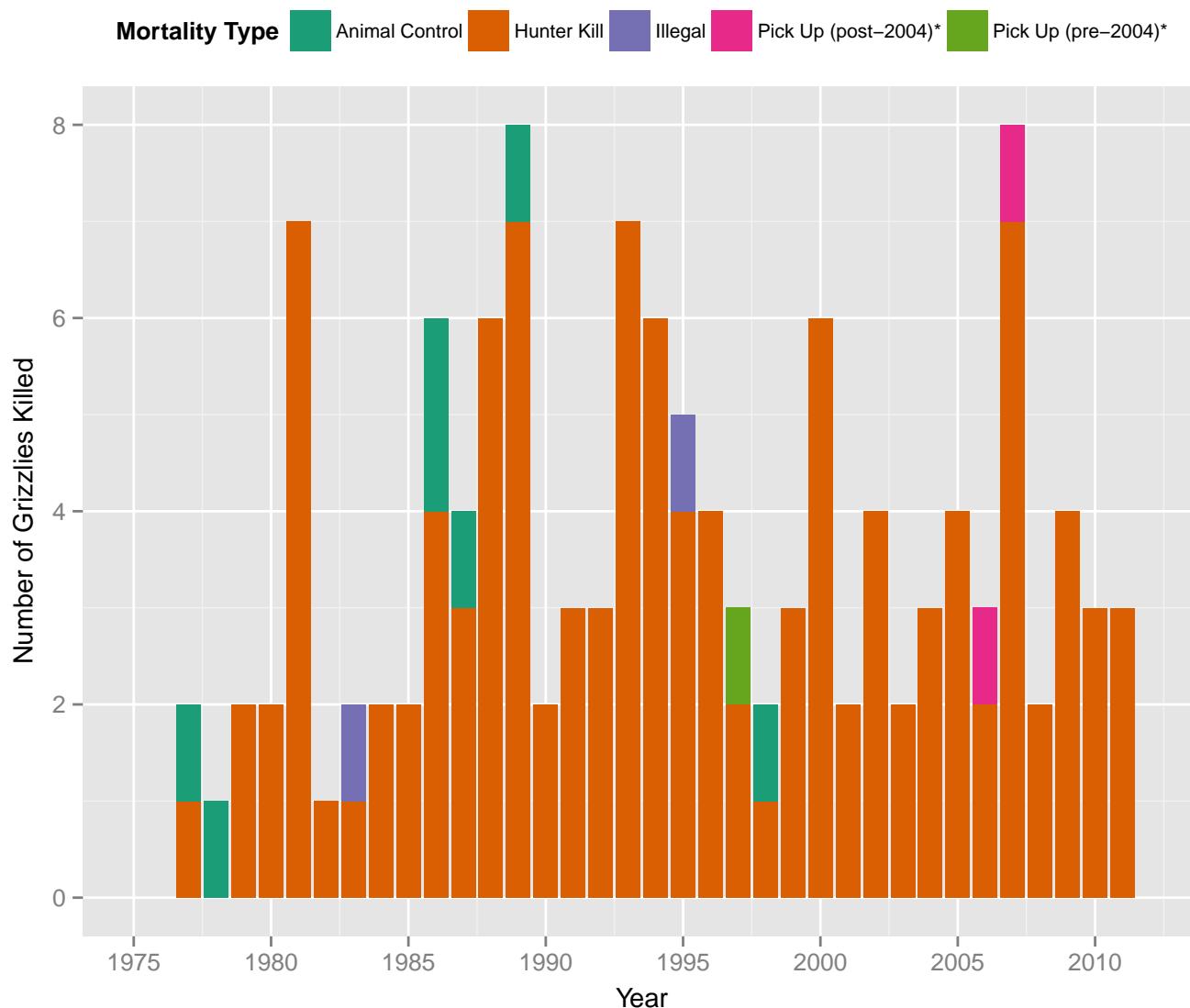
## Mortality history for the 'South Rockies' Grizzly bear population unit, 1976–2011



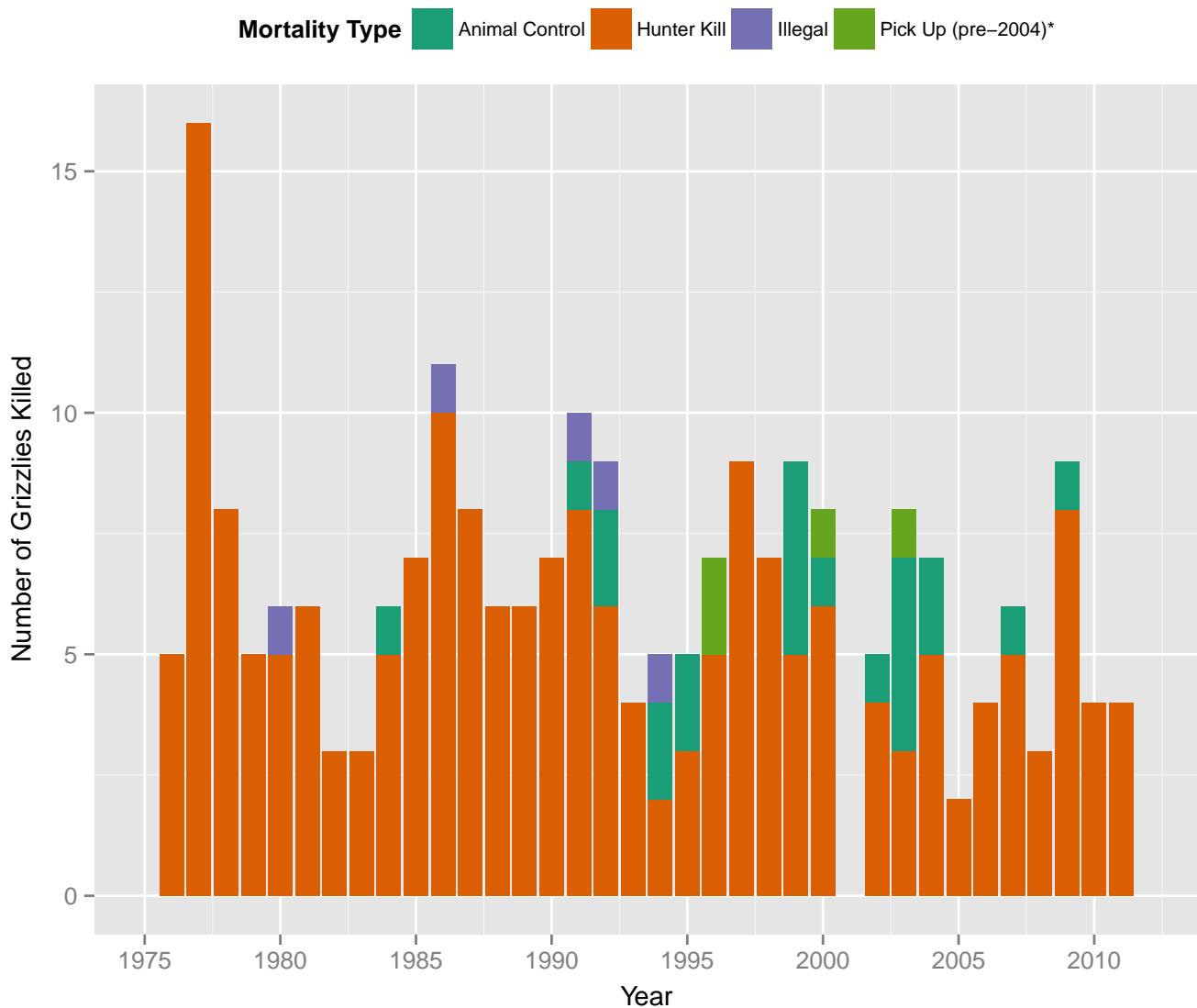
## Mortality history for the 'Central Purcells' Grizzly bear population unit, 1976–2011



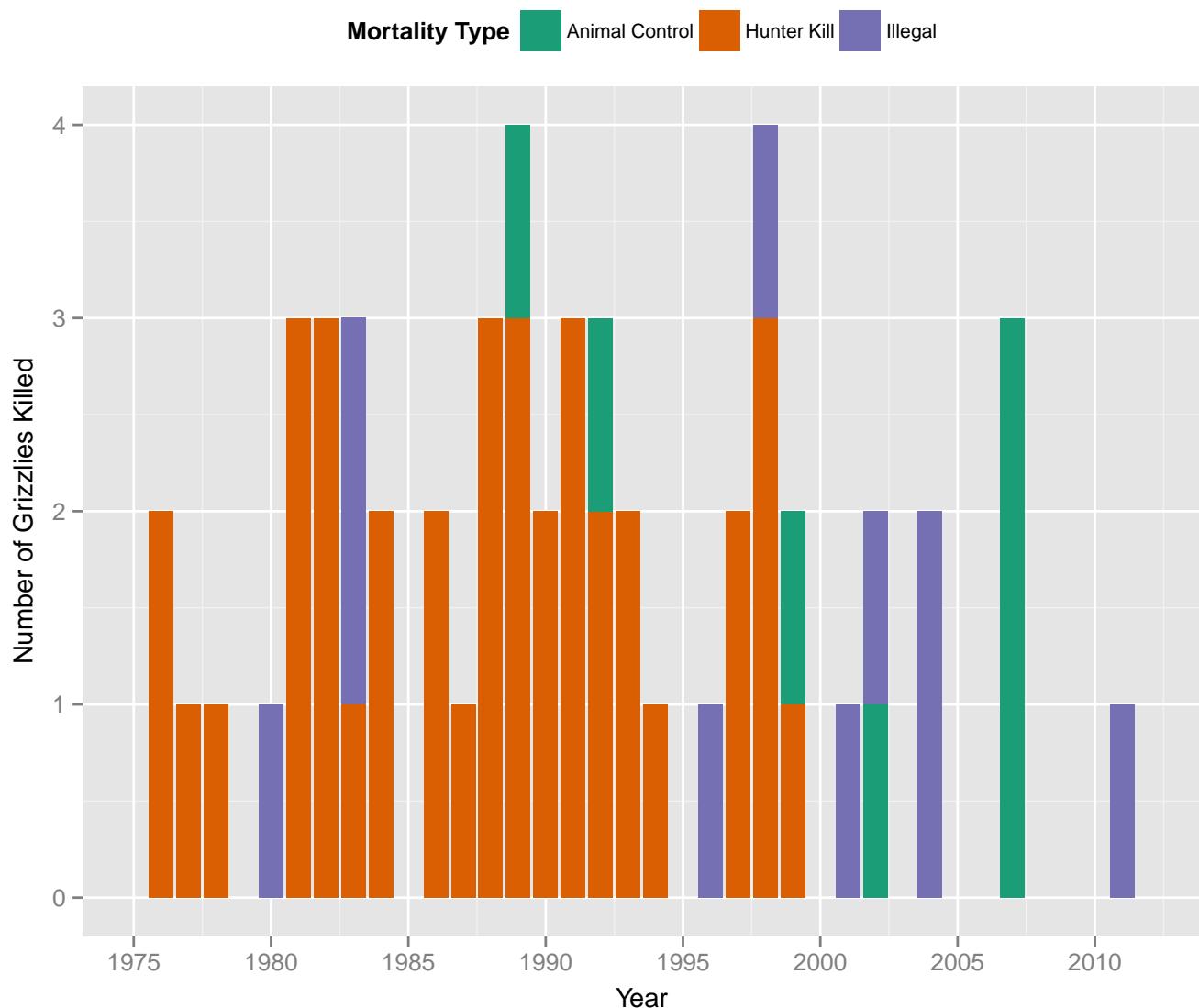
## Mortality history for the 'Knight–Bute' Grizzly bear population unit, 1976–2011



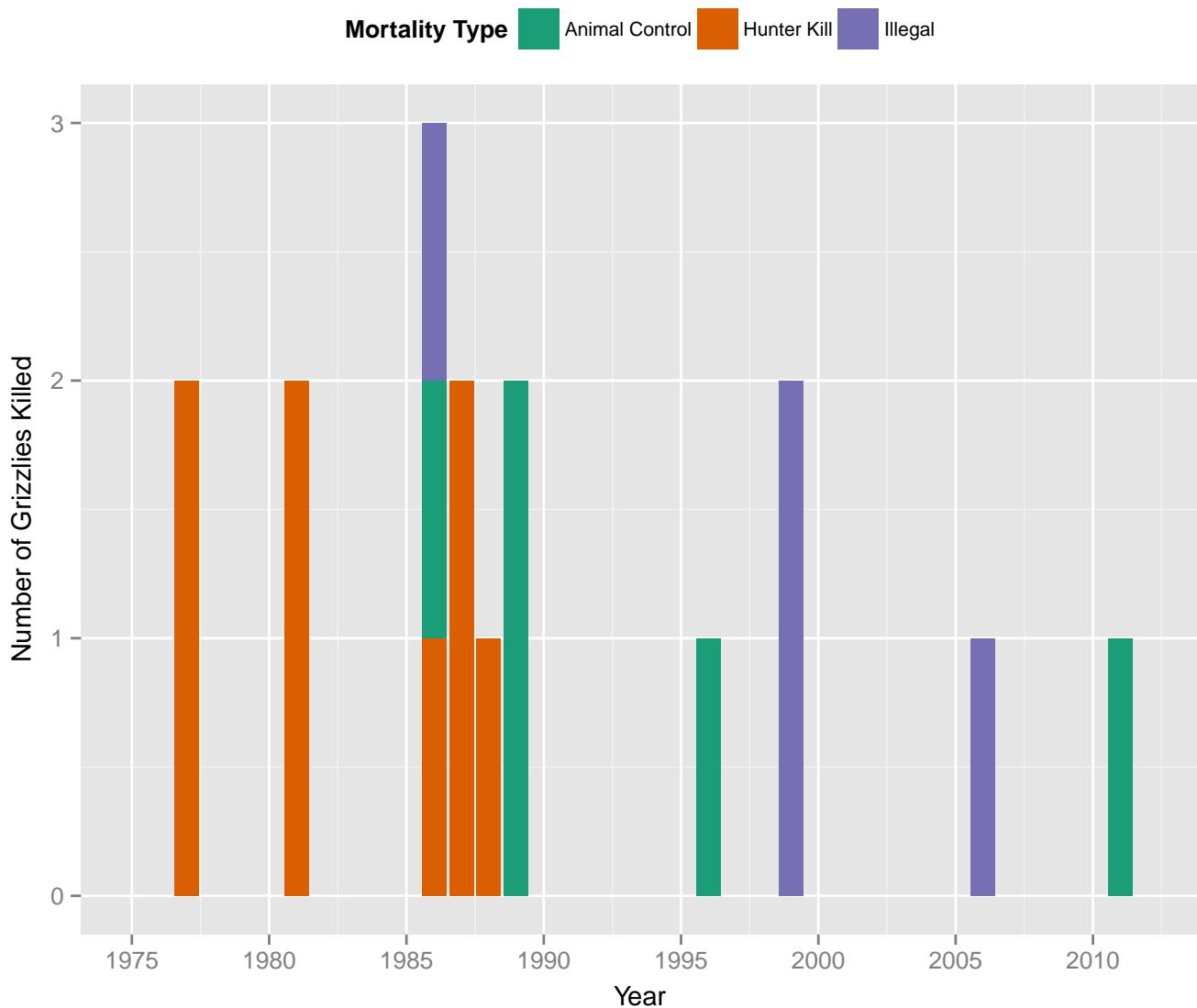
## Mortality history for the 'Flathead' Grizzly bear population unit, 1976–2011



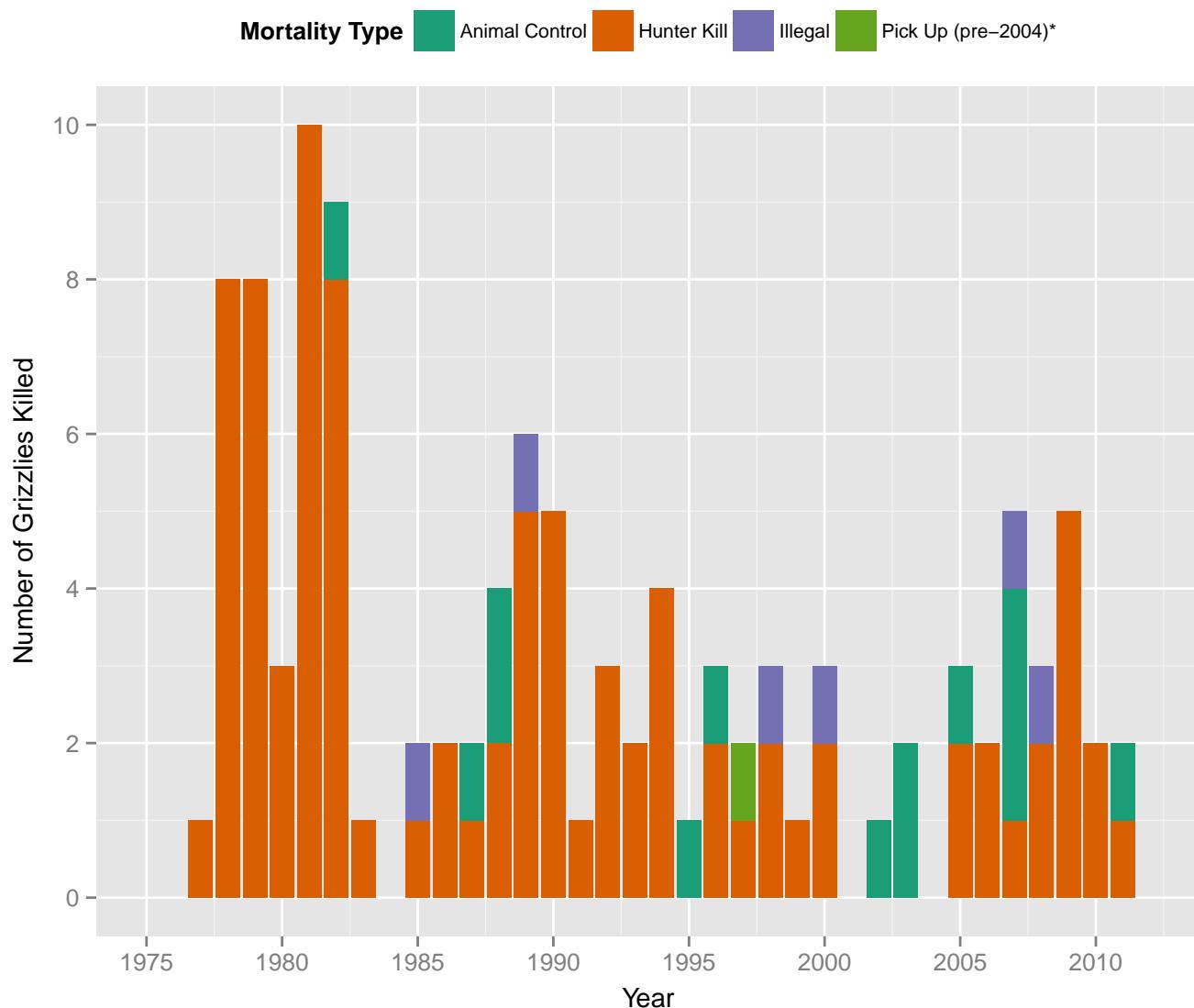
## Mortality history for the 'South Chilcotin Ranges' Grizzly bear population unit, 1976–2011



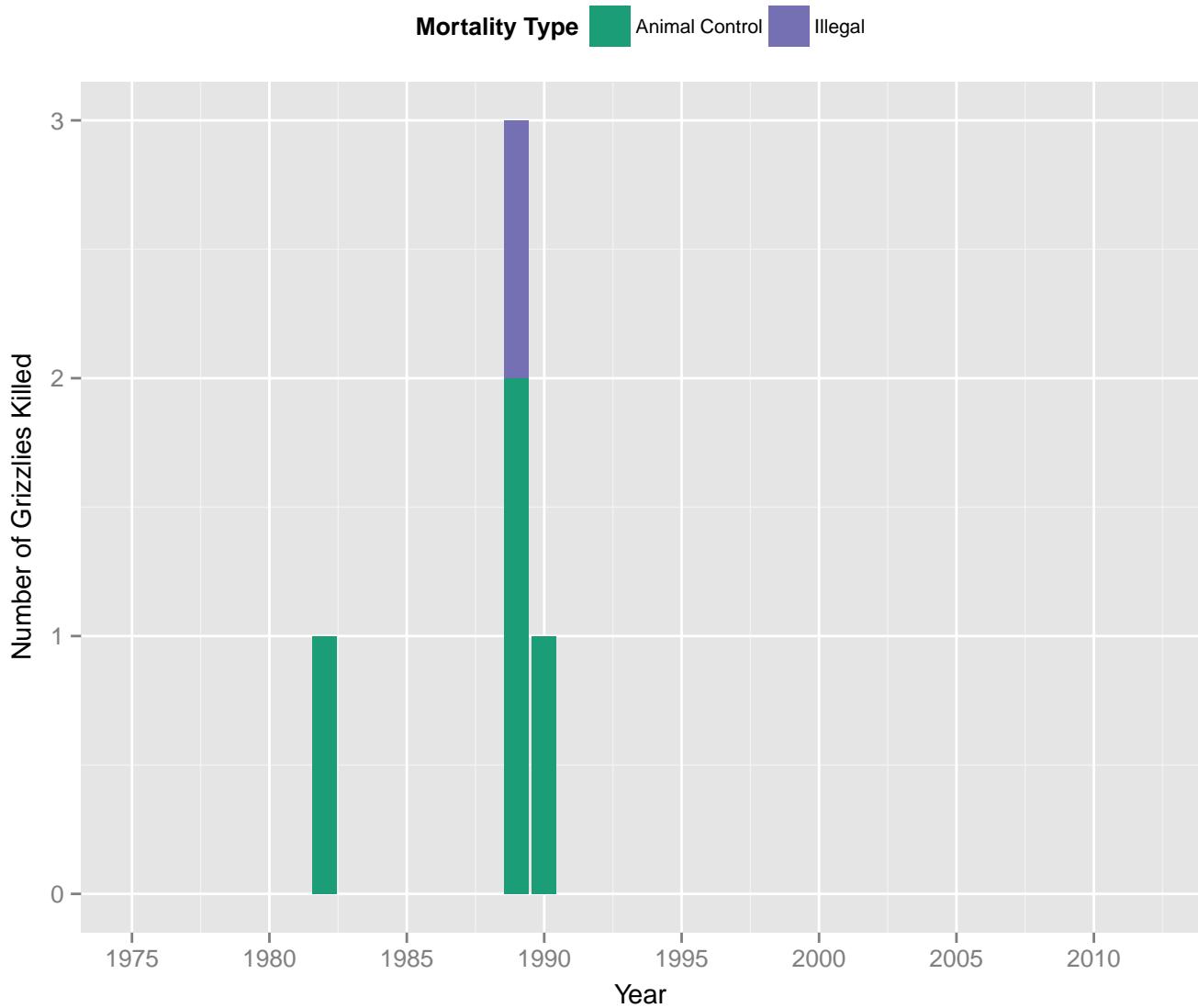
### Mortality history for the 'Toba–Bute' Grizzly bear population unit, 1976–2011



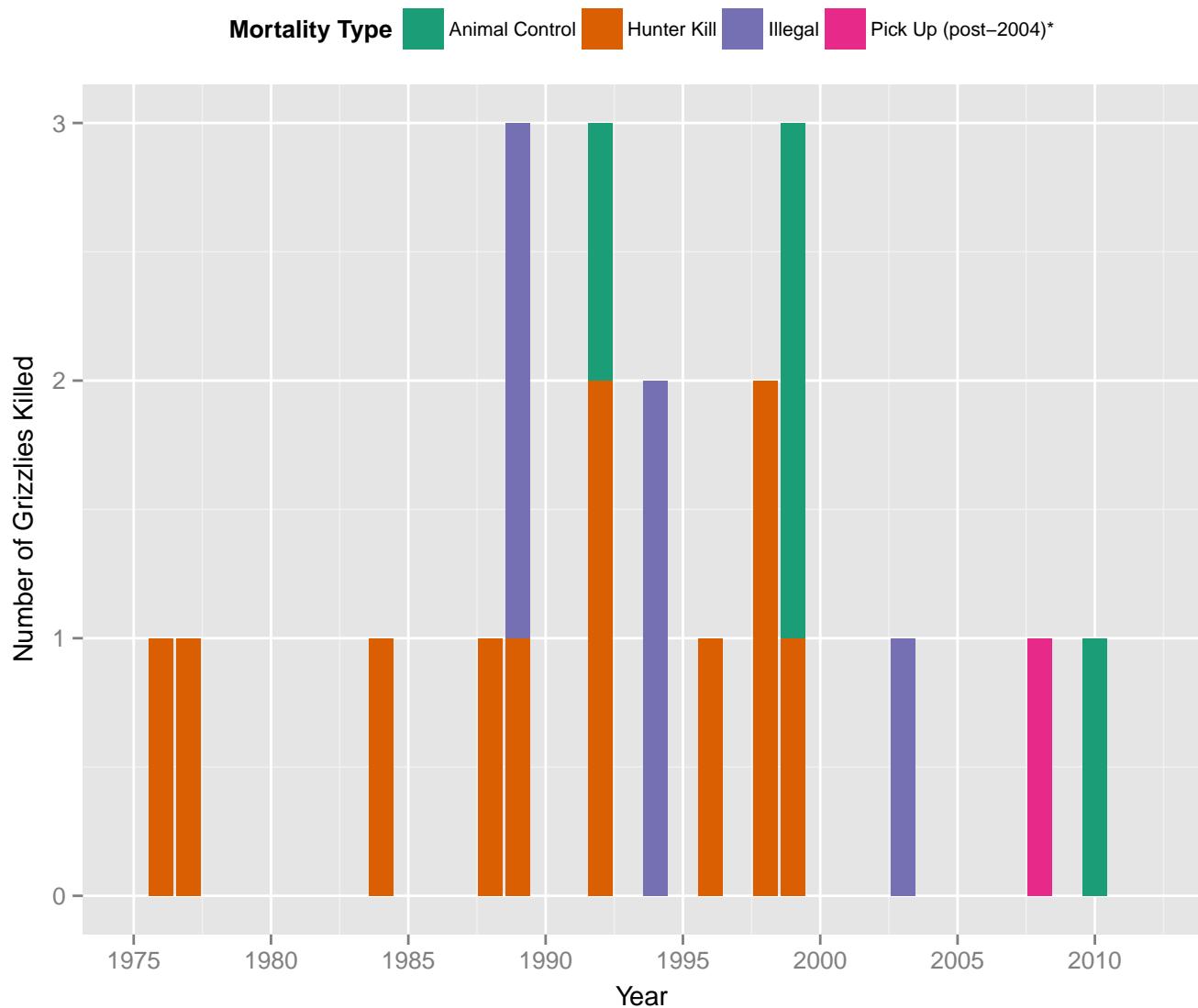
## Mortality history for the 'Central Monashee' Grizzly bear population unit, 1976–2011



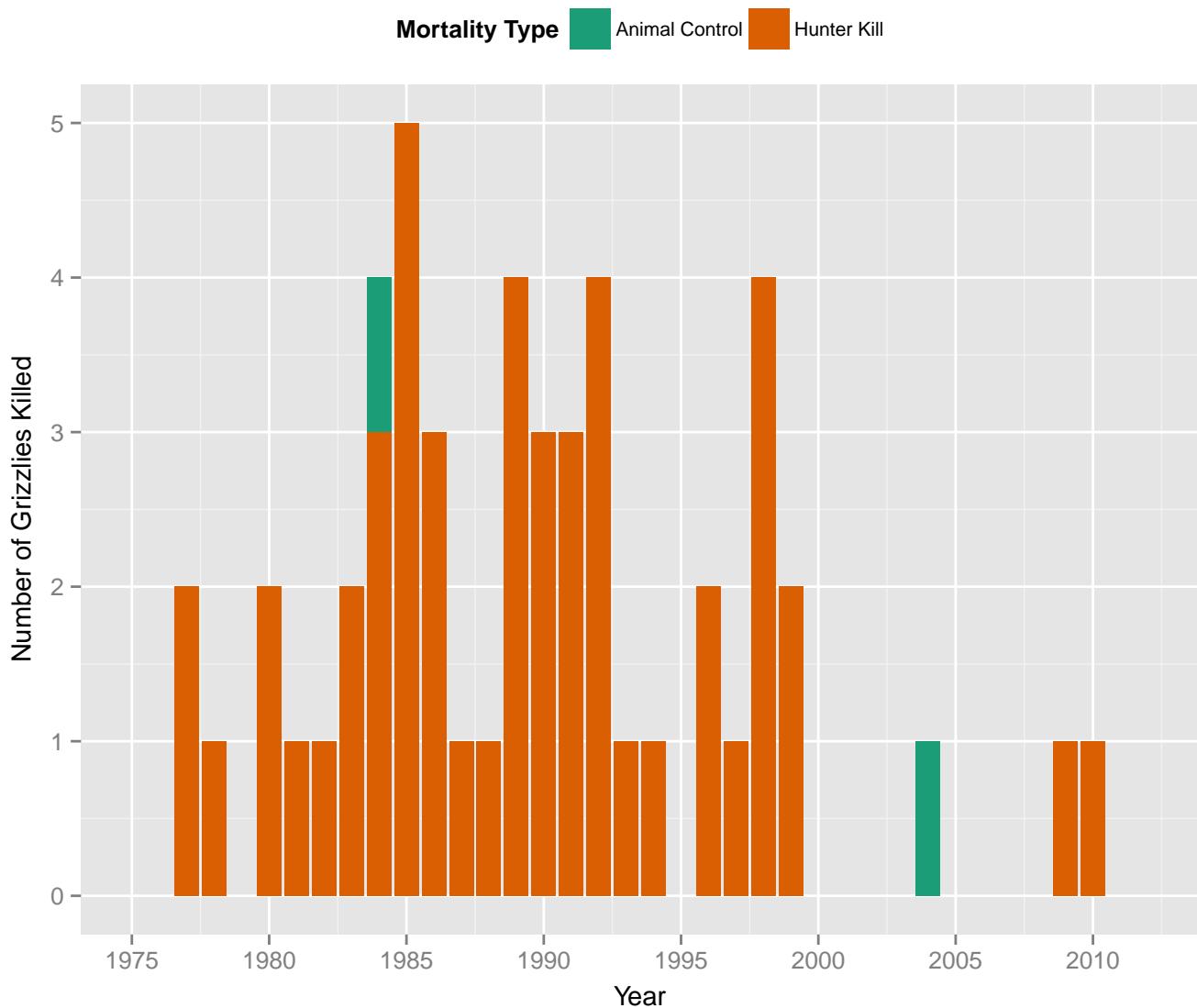
## Mortality history for the 'Squamish–Lillooet' Grizzly bear population unit, 1976–2011



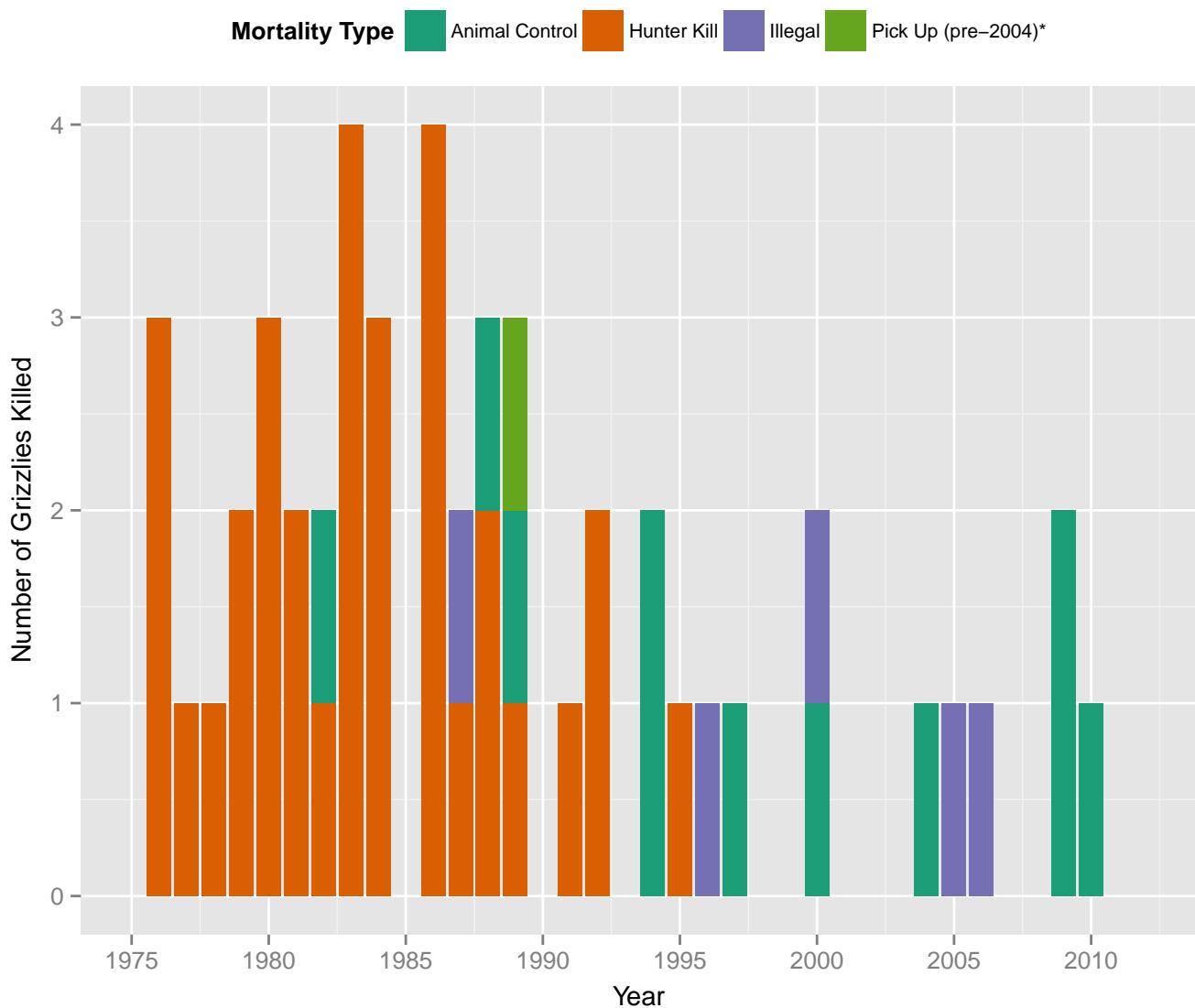
## Mortality history for the 'Stein–Nahatlatch' Grizzly bear population unit, 1976–2011



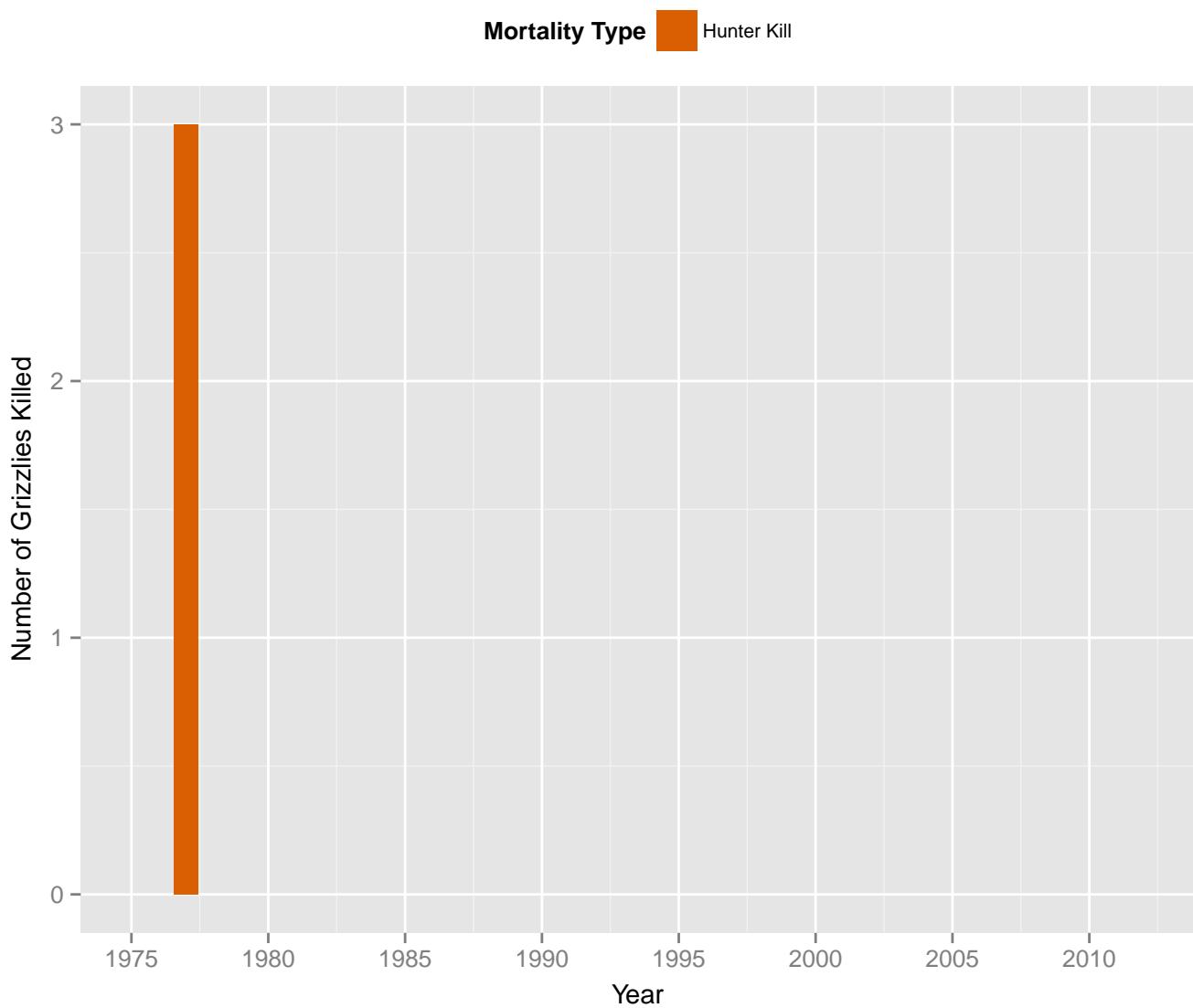
### Mortality history for the 'Valhalla' Grizzly bear population unit, 1976–2011



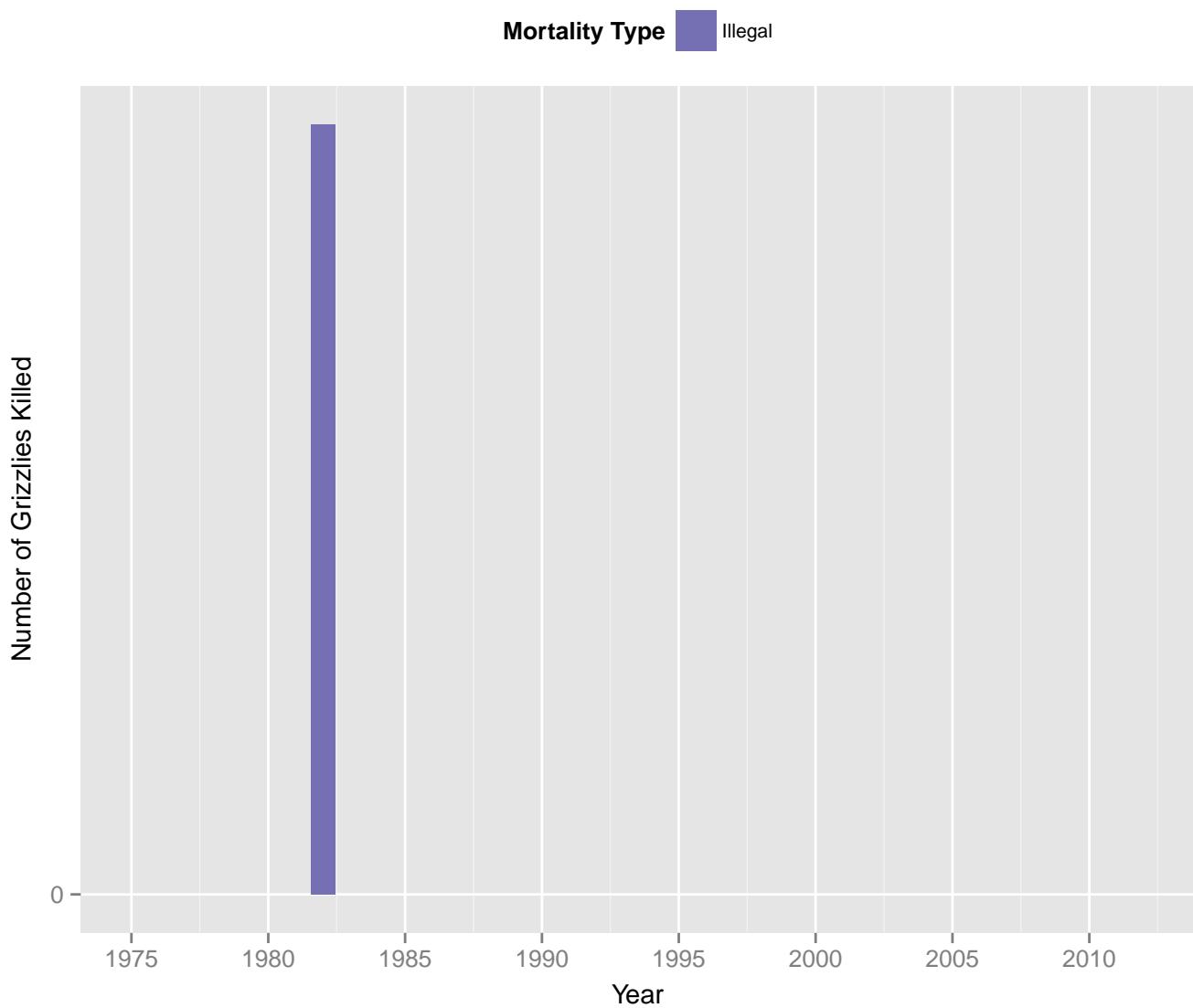
## Mortality history for the 'Kettle–Granby' Grizzly bear population unit, 1976–2011



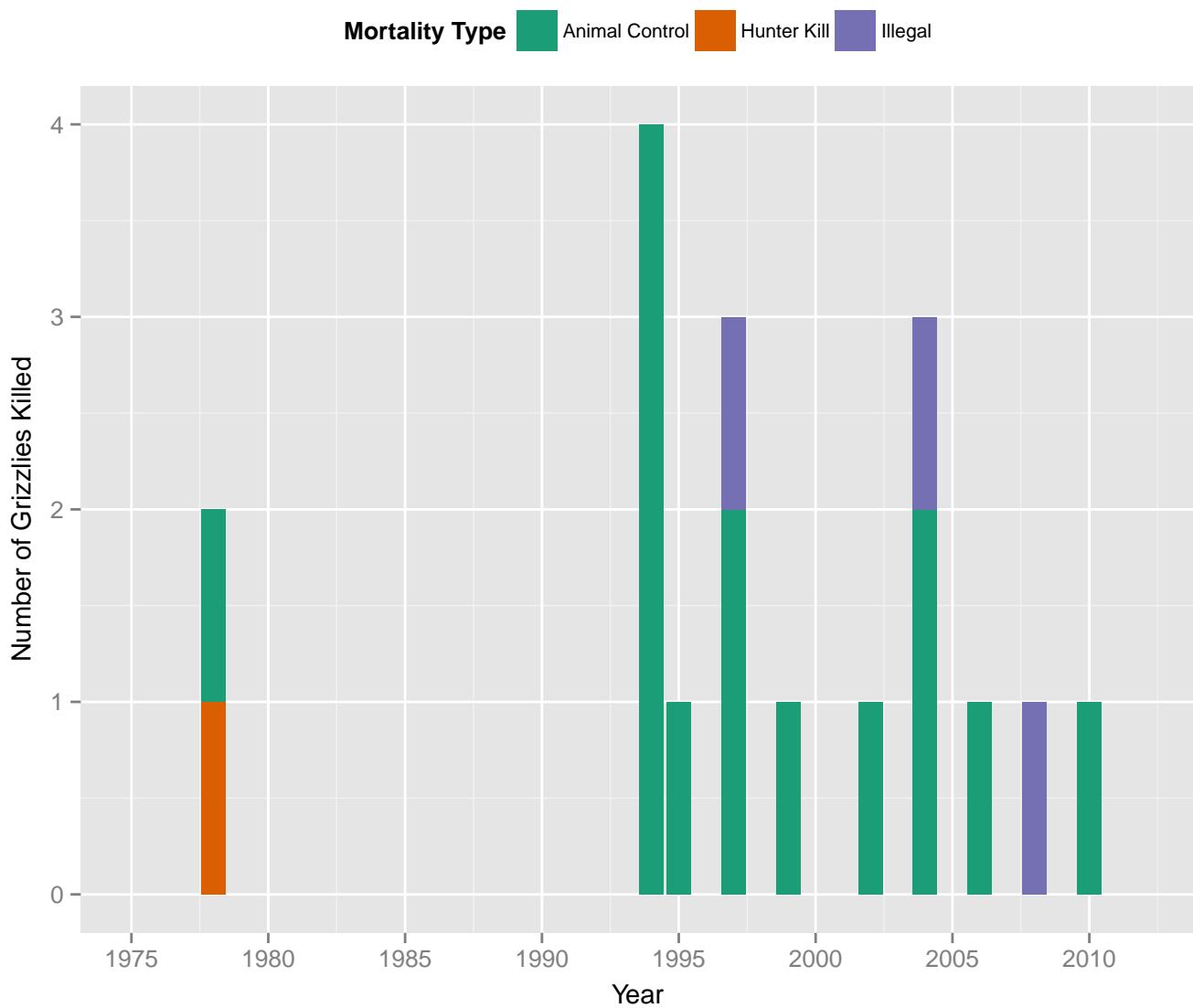
Mortality history for the 'North Cascades' Grizzly bear population unit, 1976–2011



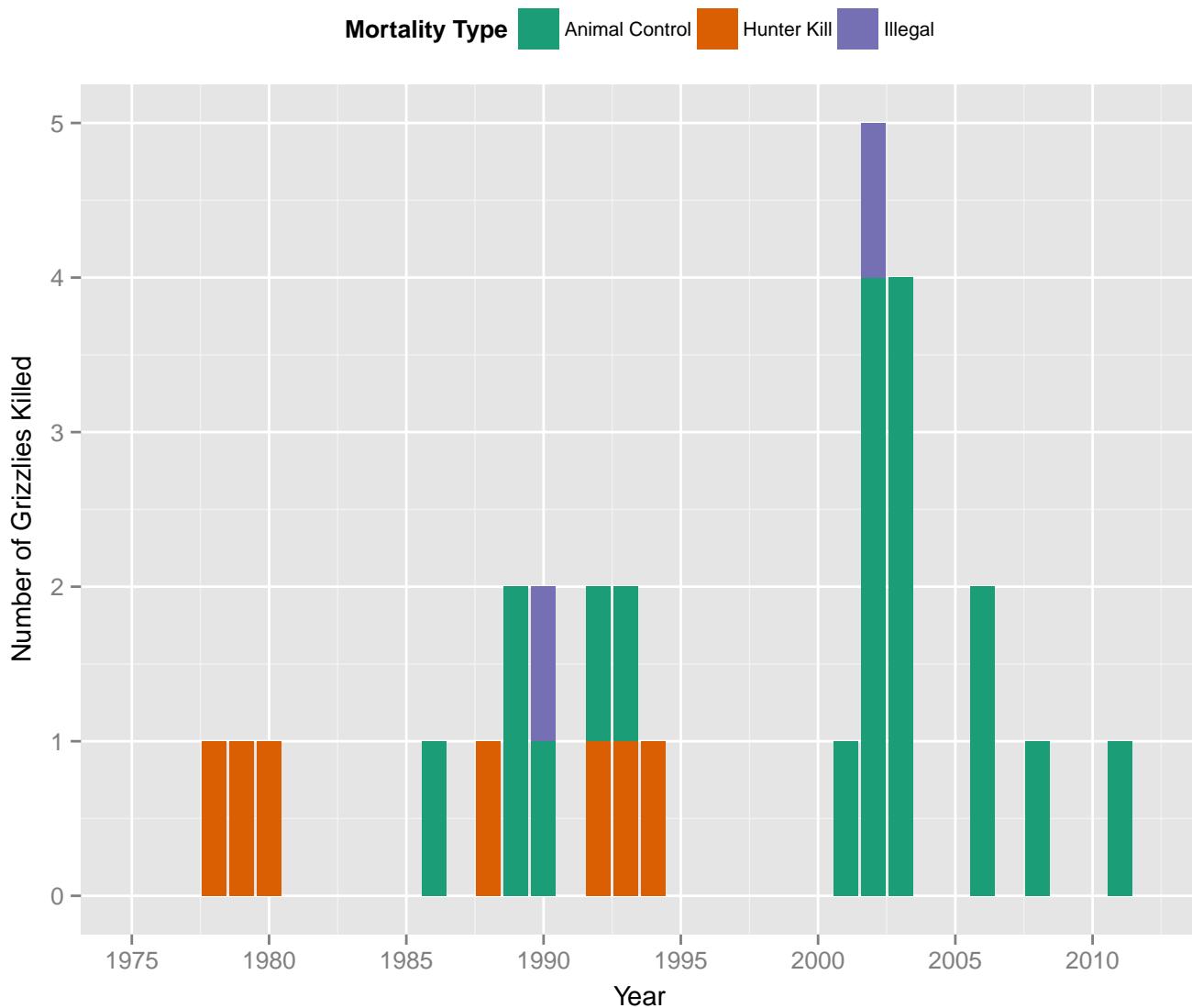
Mortality history for the 'Garibaldi–Pitt' Grizzly bear population unit, 1976–2011



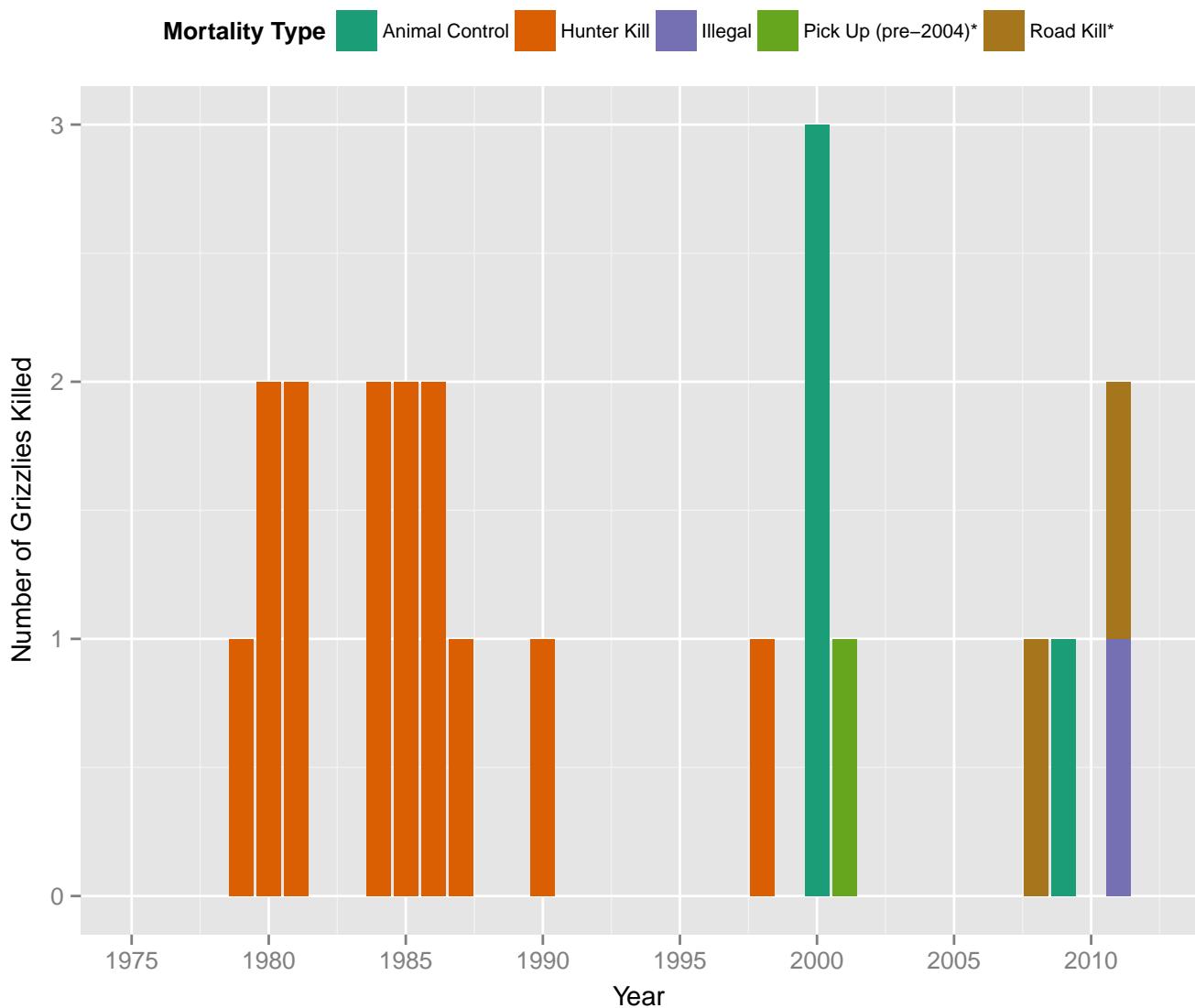
### Mortality history for the 'Yahk' Grizzly bear population unit, 1976–2011



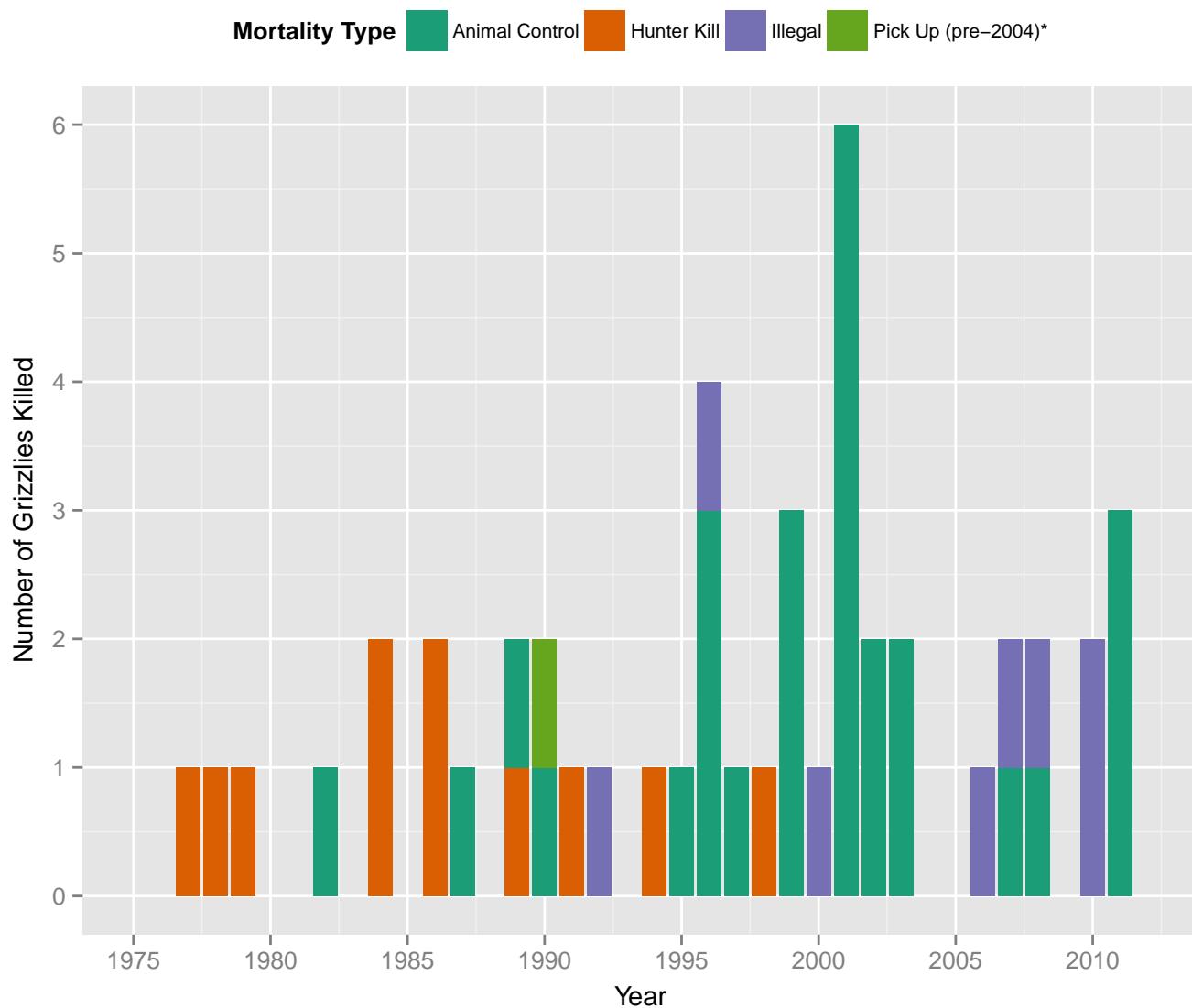
### Mortality history for the 'South Selkirk' Grizzly bear population unit, 1976–2011



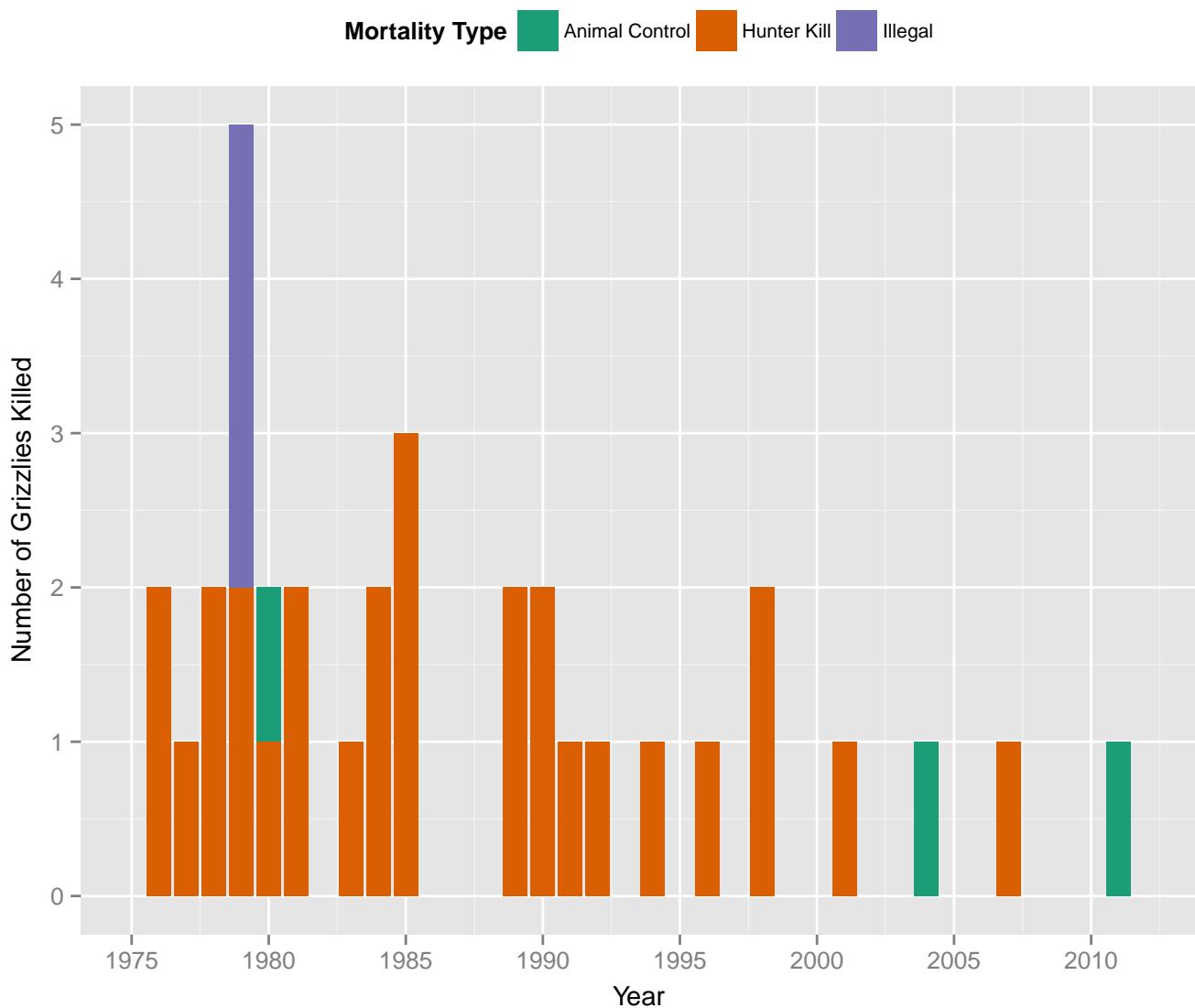
### Mortality history for the 'extirpated' Grizzly bear population unit, 1976–2011



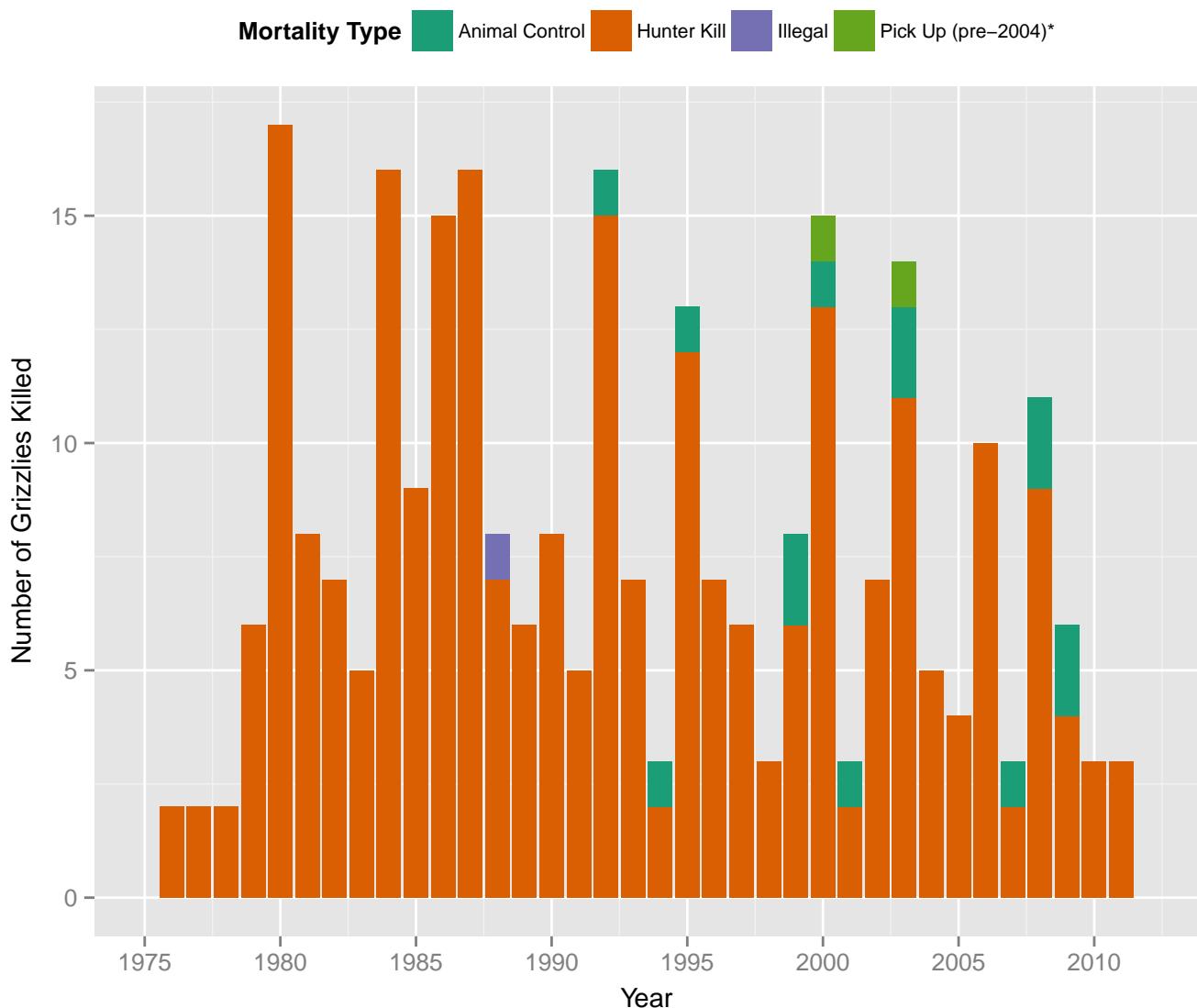
### Mortality history for the 'extirpated' Grizzly bear population unit, 1976–2011



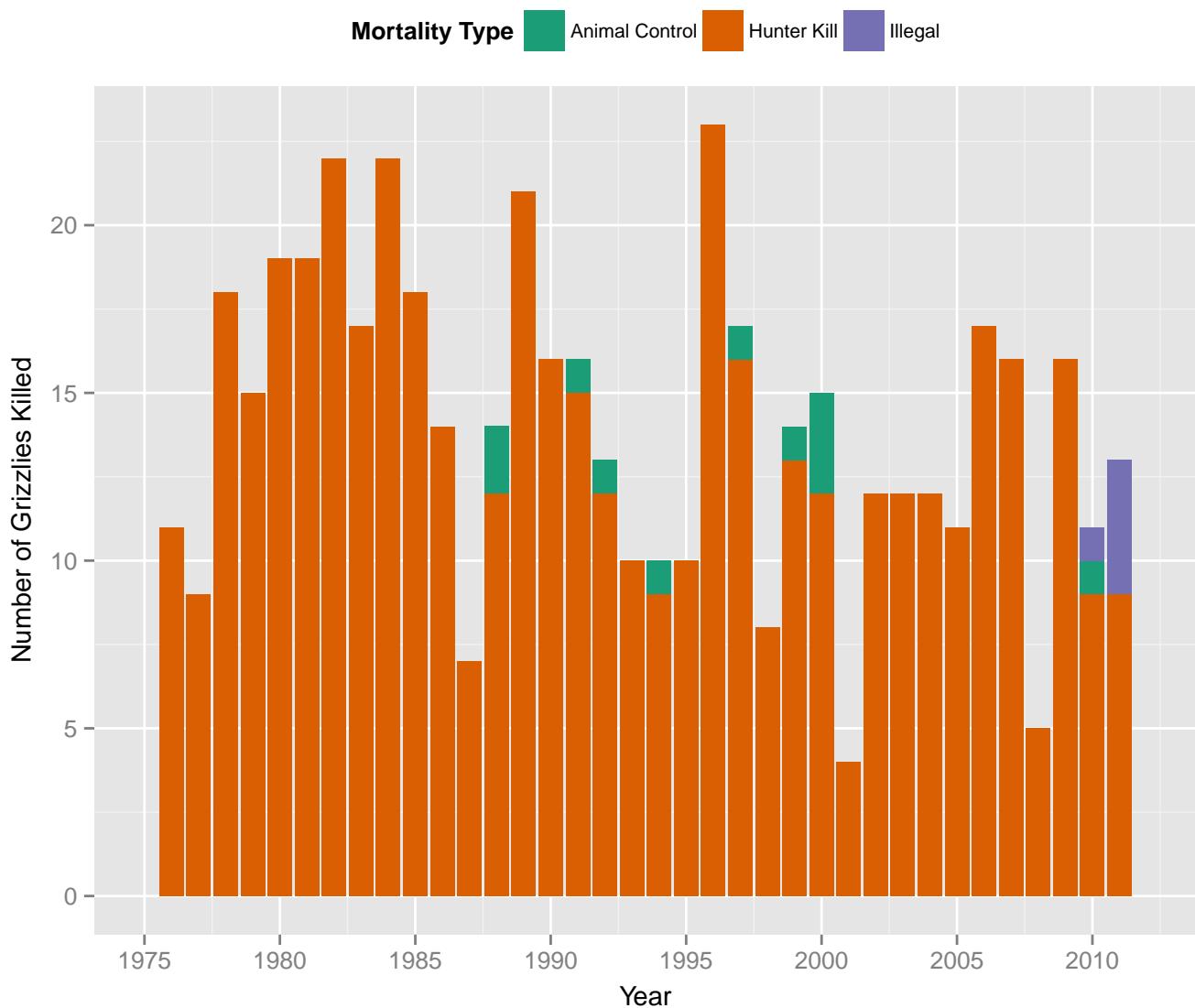
## Mortality history for the 'Taiga' Grizzly bear population unit, 1976–2011



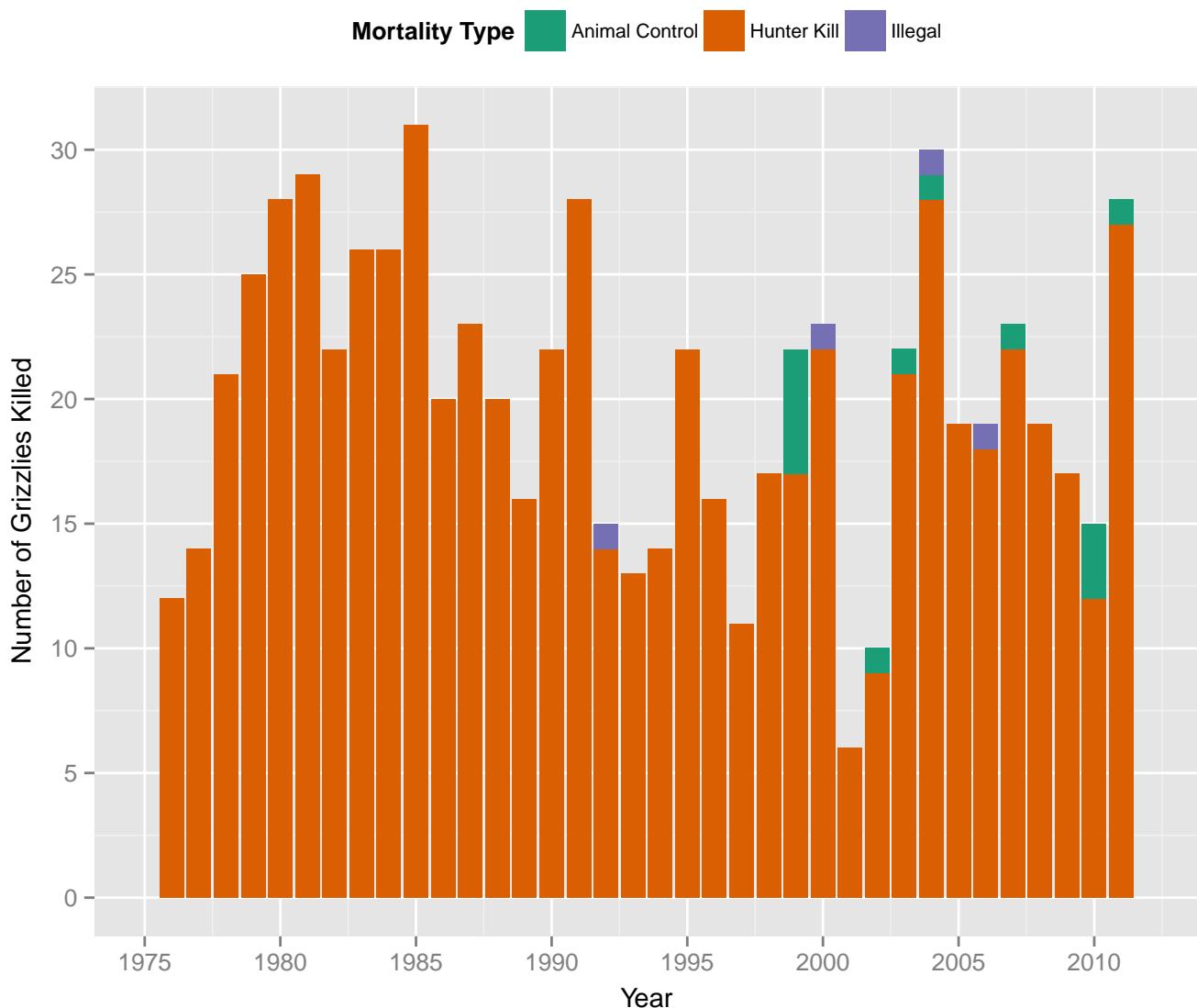
## Mortality history for the 'Hyland' Grizzly bear population unit, 1976–2011



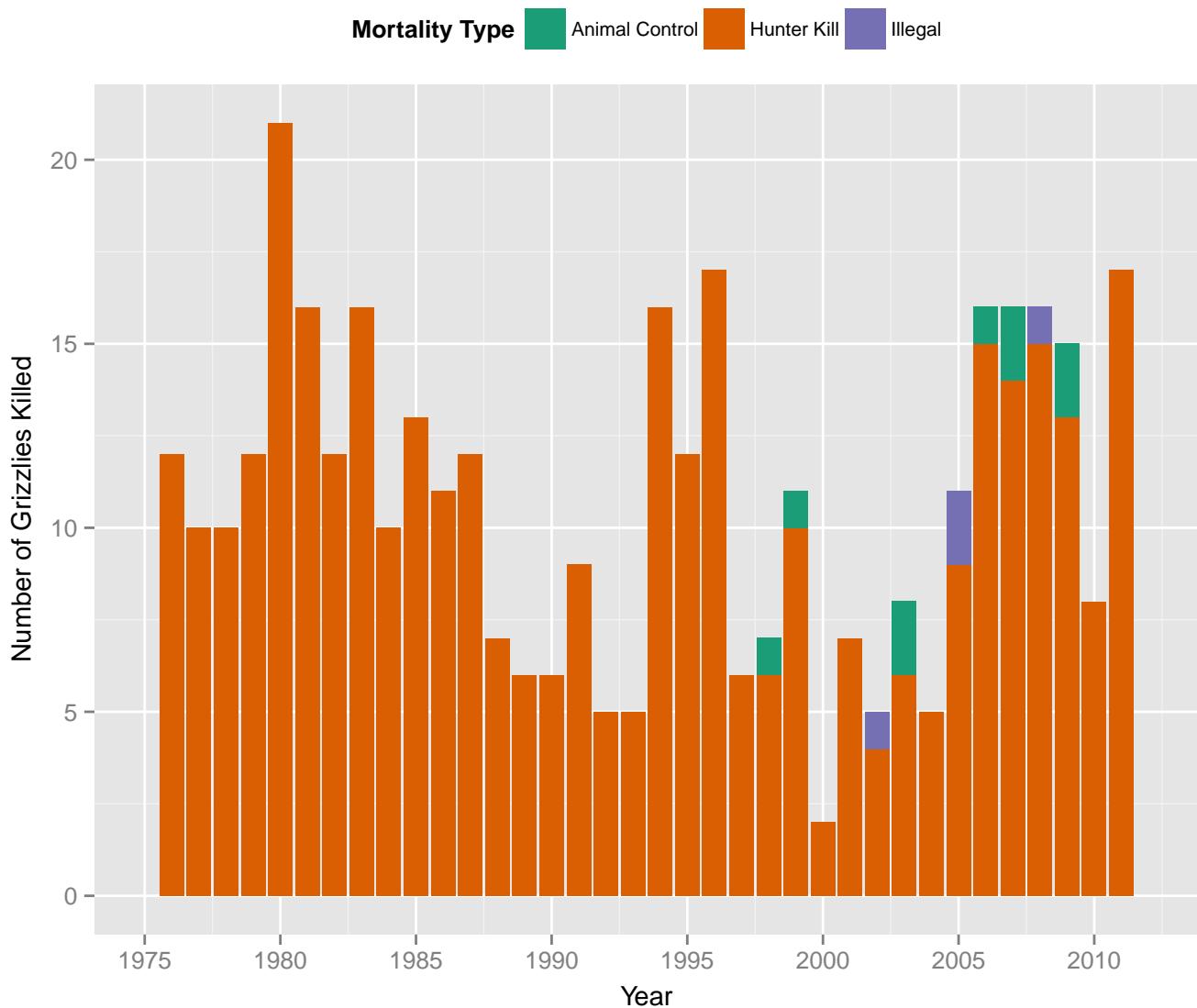
## Mortality history for the 'Taku' Grizzly bear population unit, 1976–2011



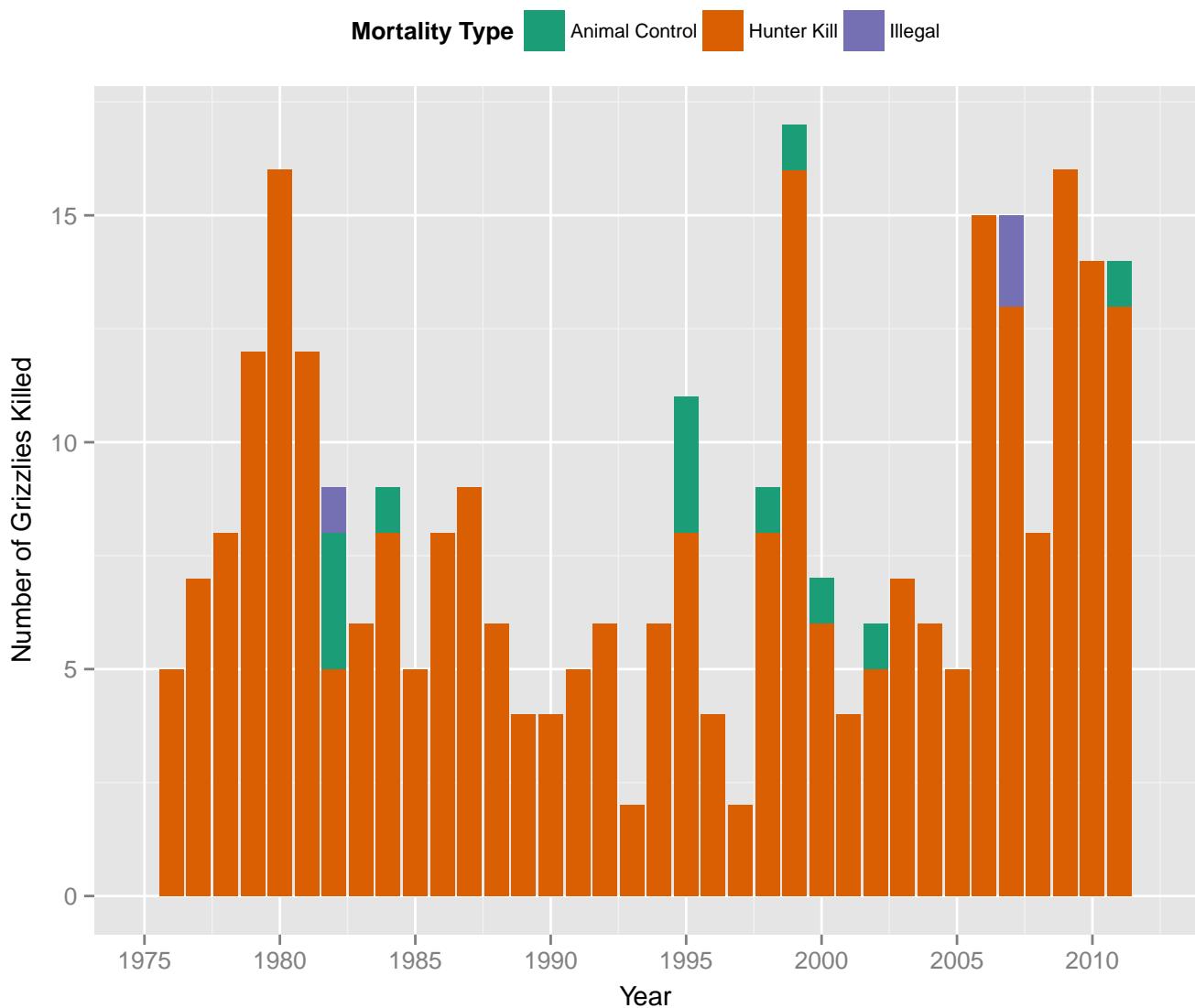
## Mortality history for the 'Muskwa' Grizzly bear population unit, 1976–2011



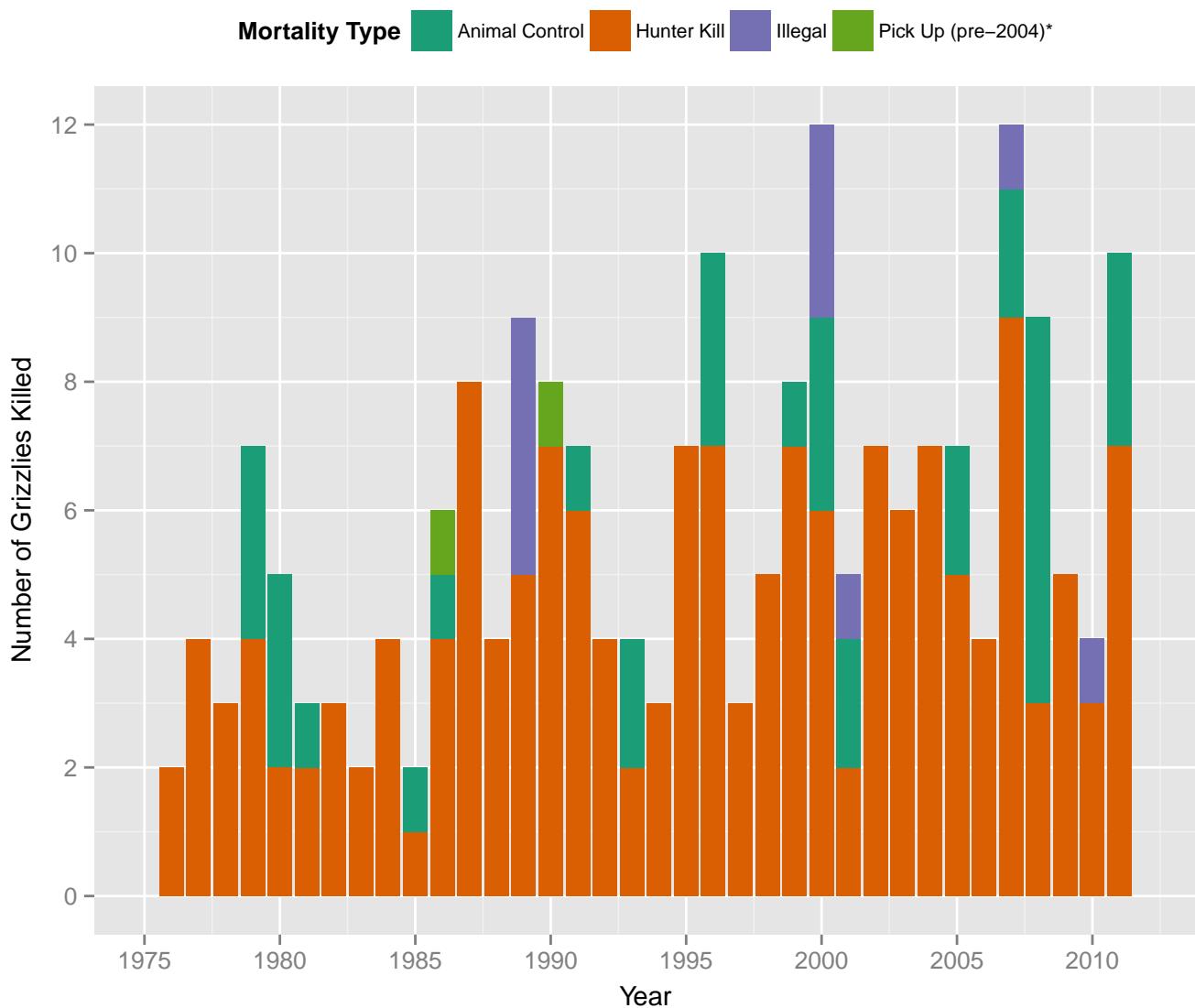
## Mortality history for the 'Spatsizi' Grizzly bear population unit, 1976–2011



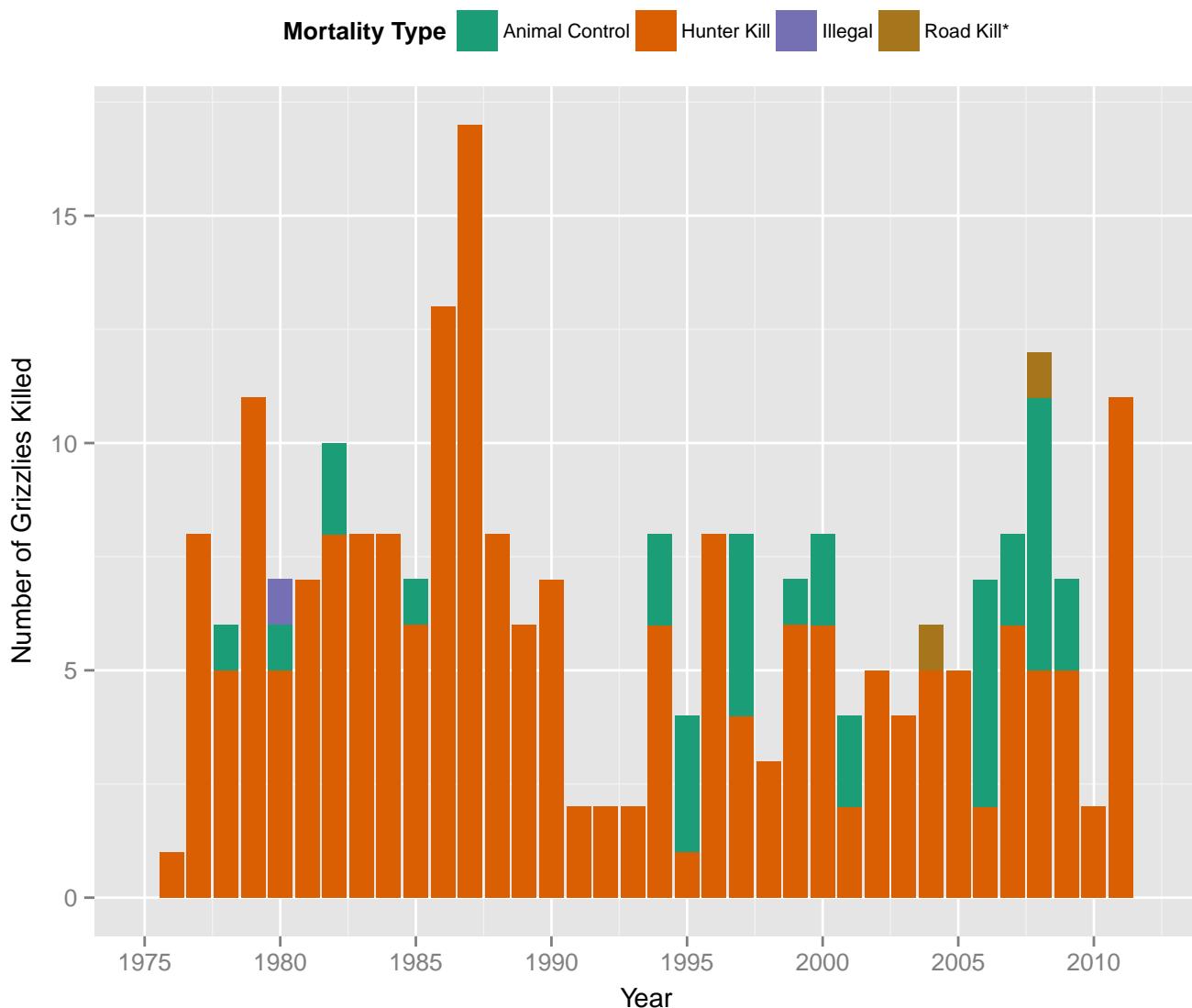
## Mortality history for the 'Upper Skeena–Nass' Grizzly bear population unit, 1976–2011



## Mortality history for the 'Babine' Grizzly bear population unit, 1976–2011



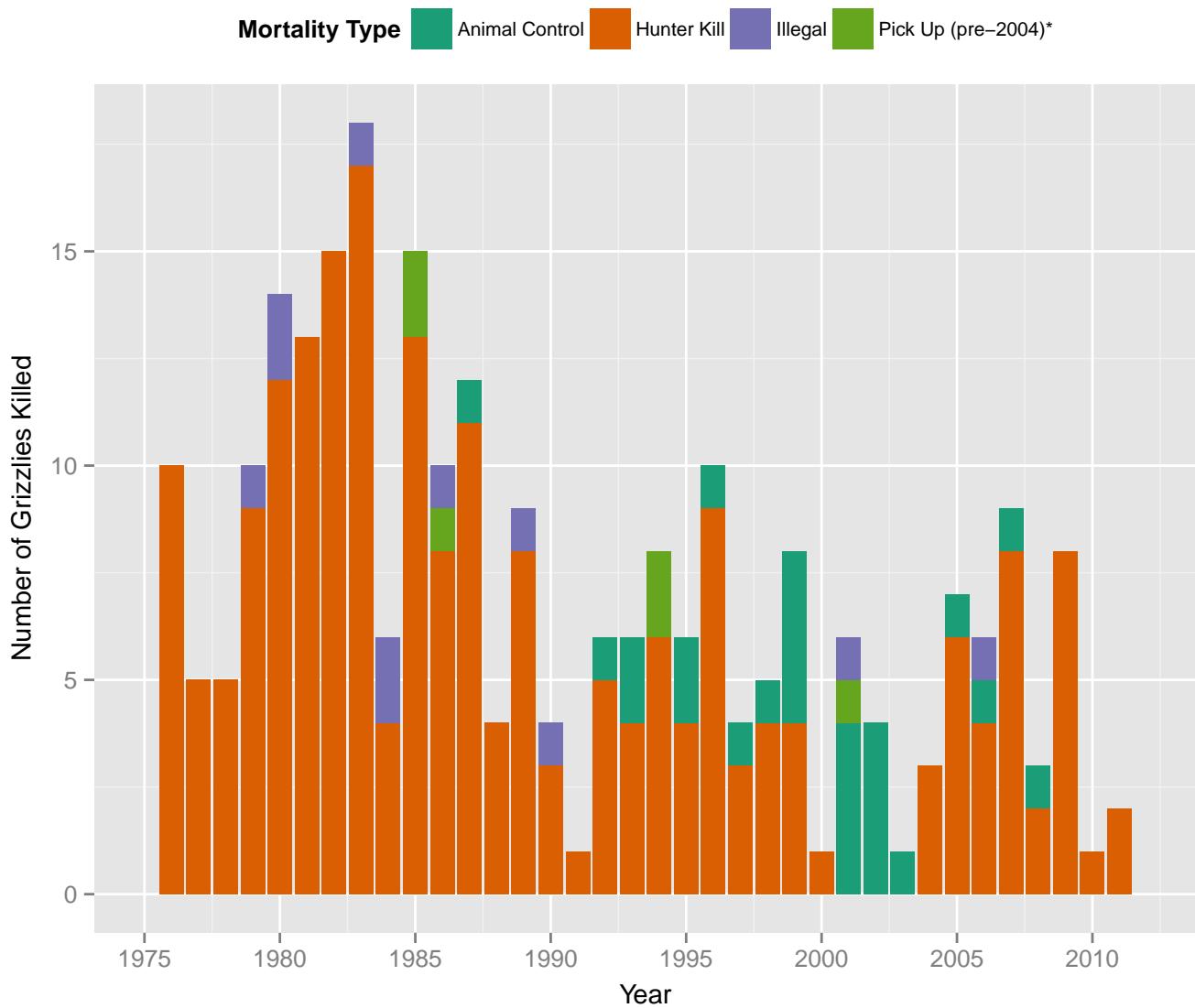
## Mortality history for the 'Stewart' Grizzly bear population unit, 1976–2011



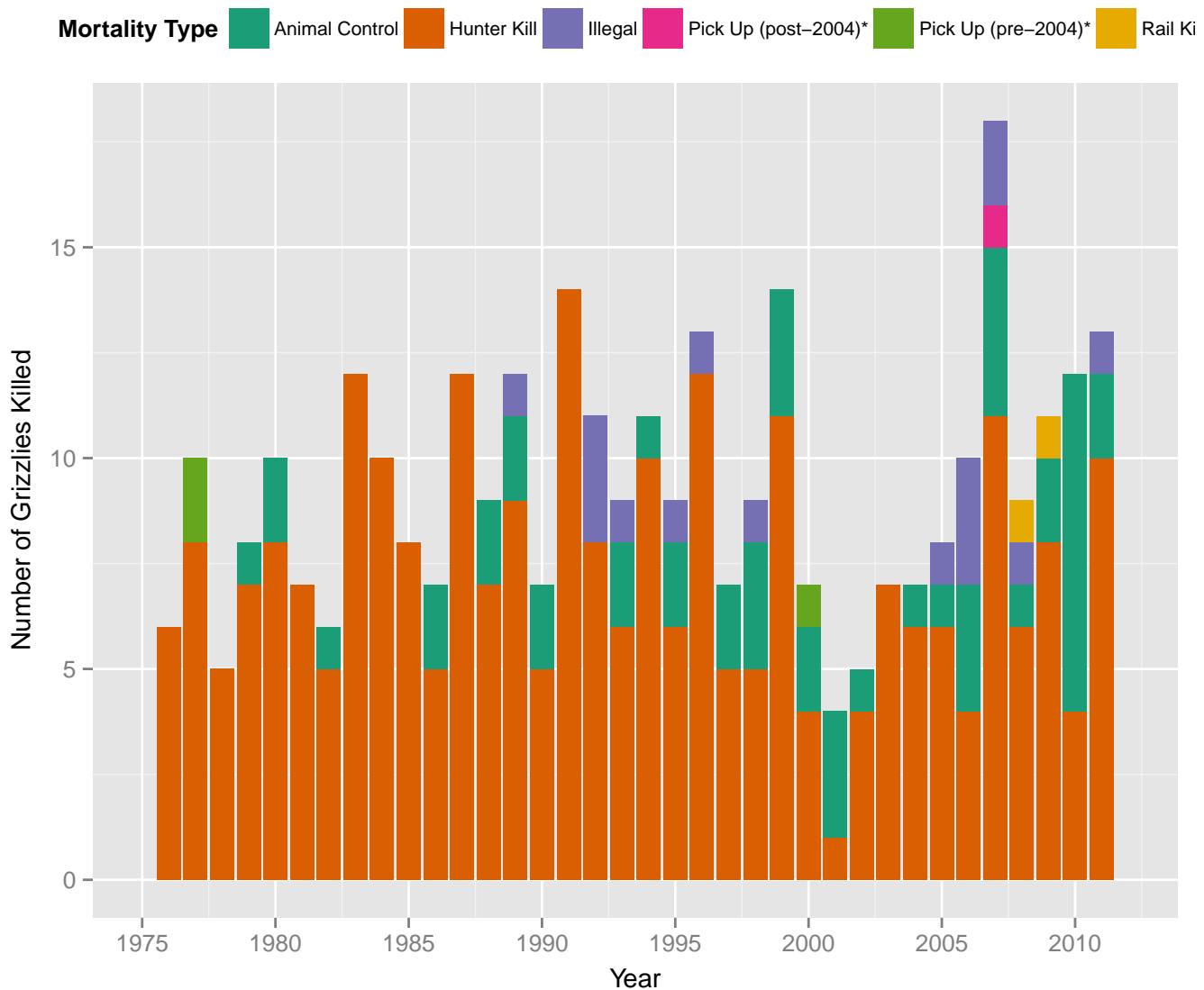
## Mortality history for the 'Cranberry' Grizzly bear population unit, 1976–2011



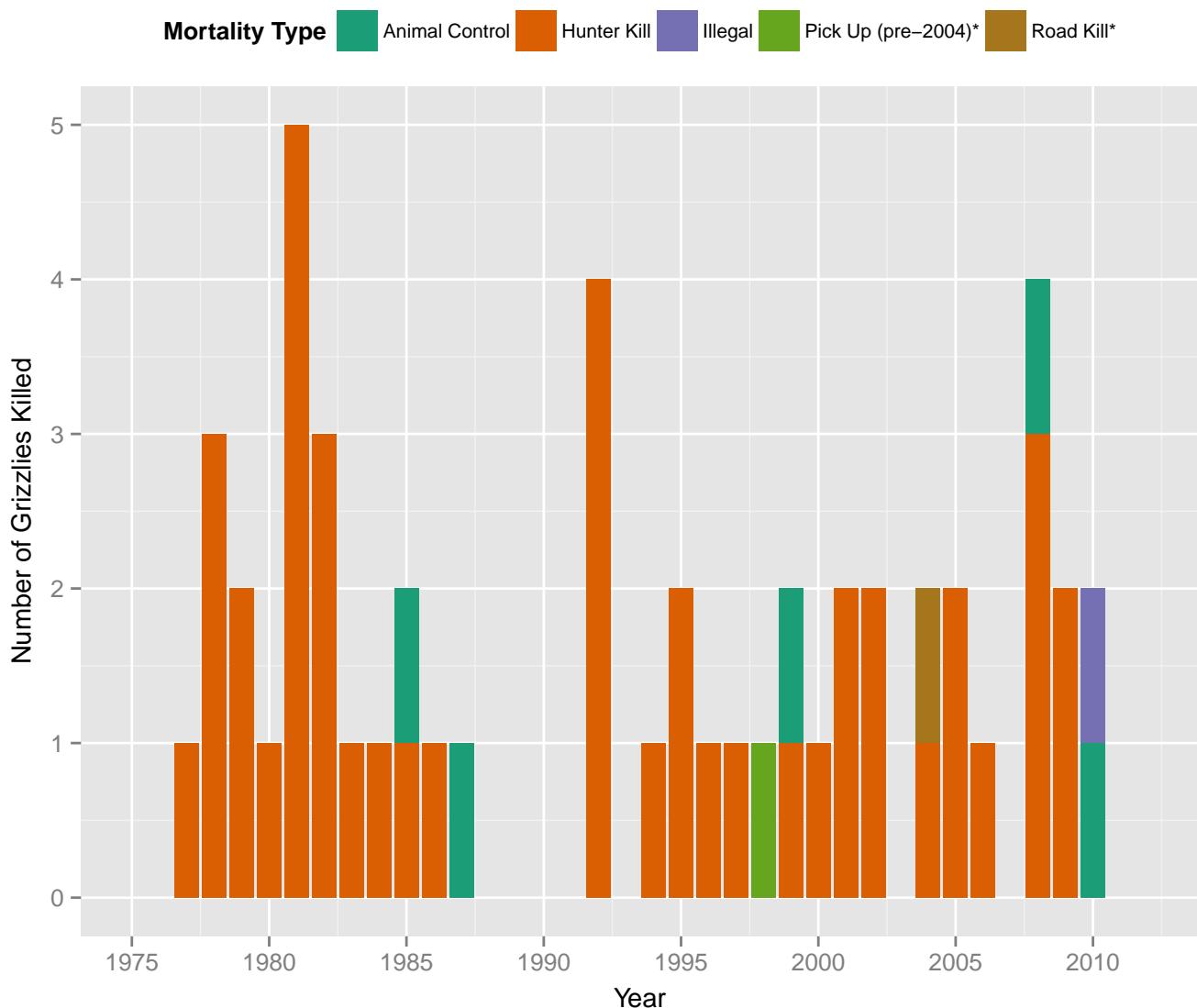
## Mortality history for the 'Nation' Grizzly bear population unit, 1976–2011



## Mortality history for the 'Bulkley–Lakes' Grizzly bear population unit, 1976–2011



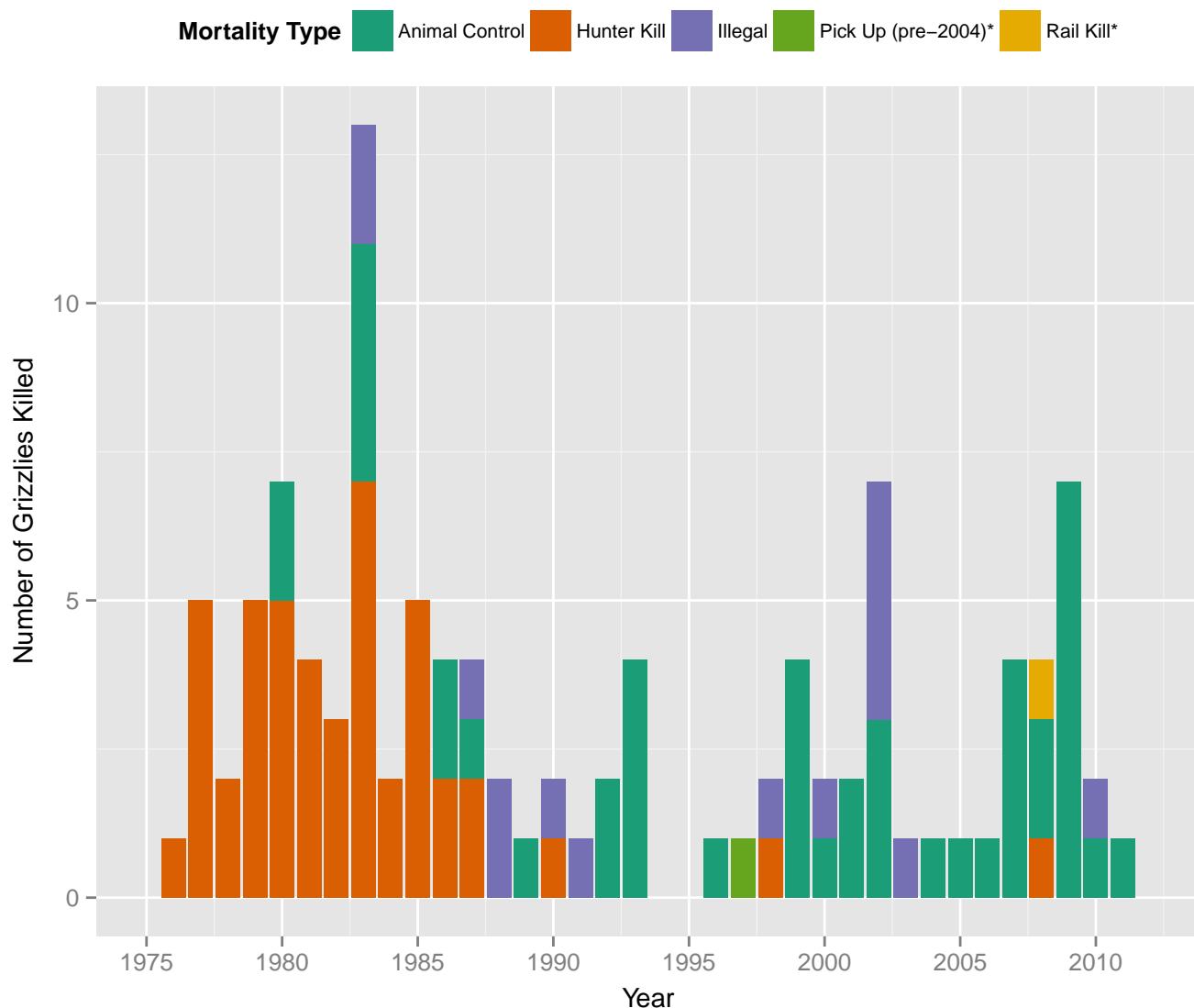
## Mortality history for the 'Khutzeymateen' Grizzly bear population unit, 1976–2011



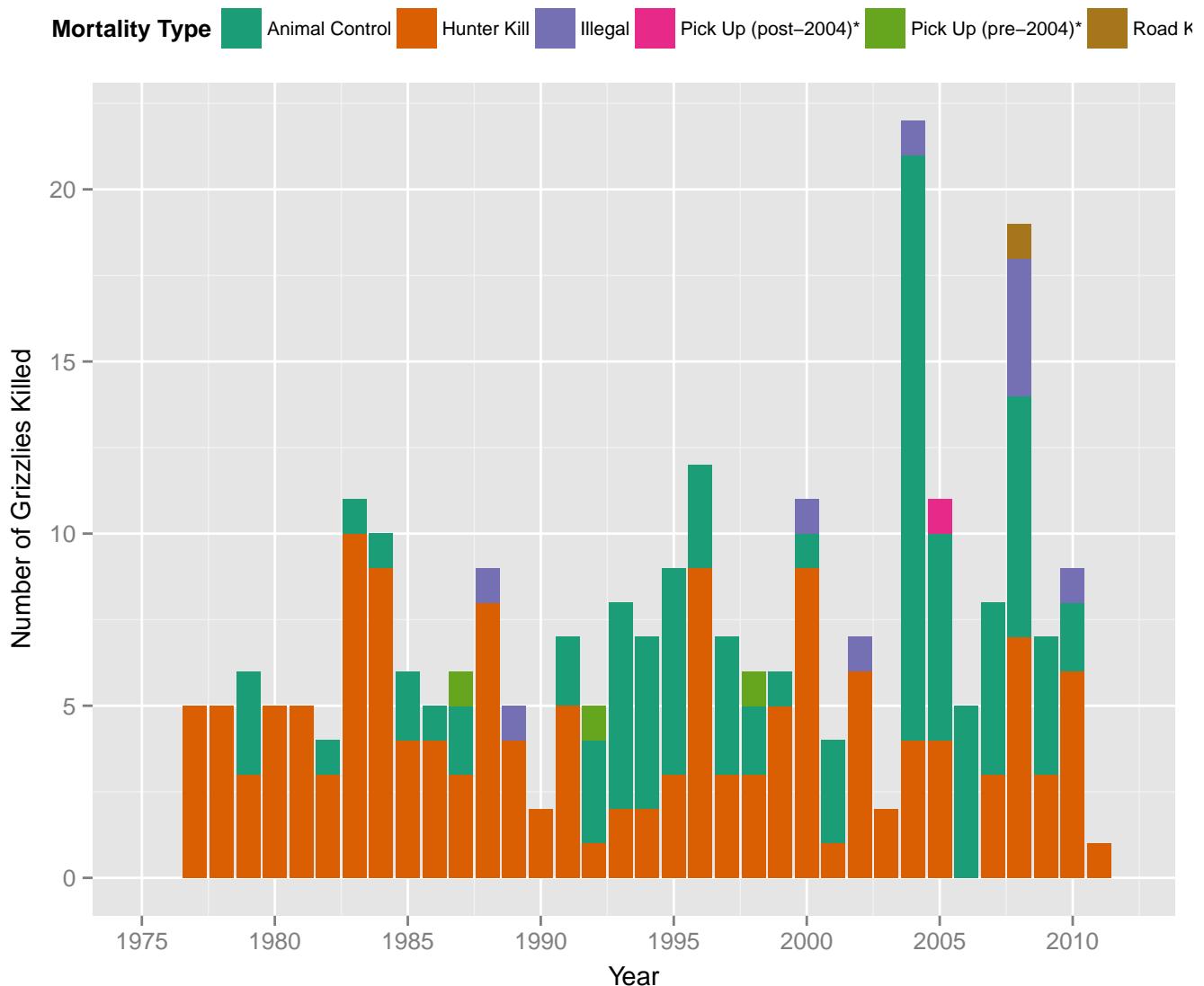
## Mortality history for the 'North Coast' Grizzly bear population unit, 1976–2011



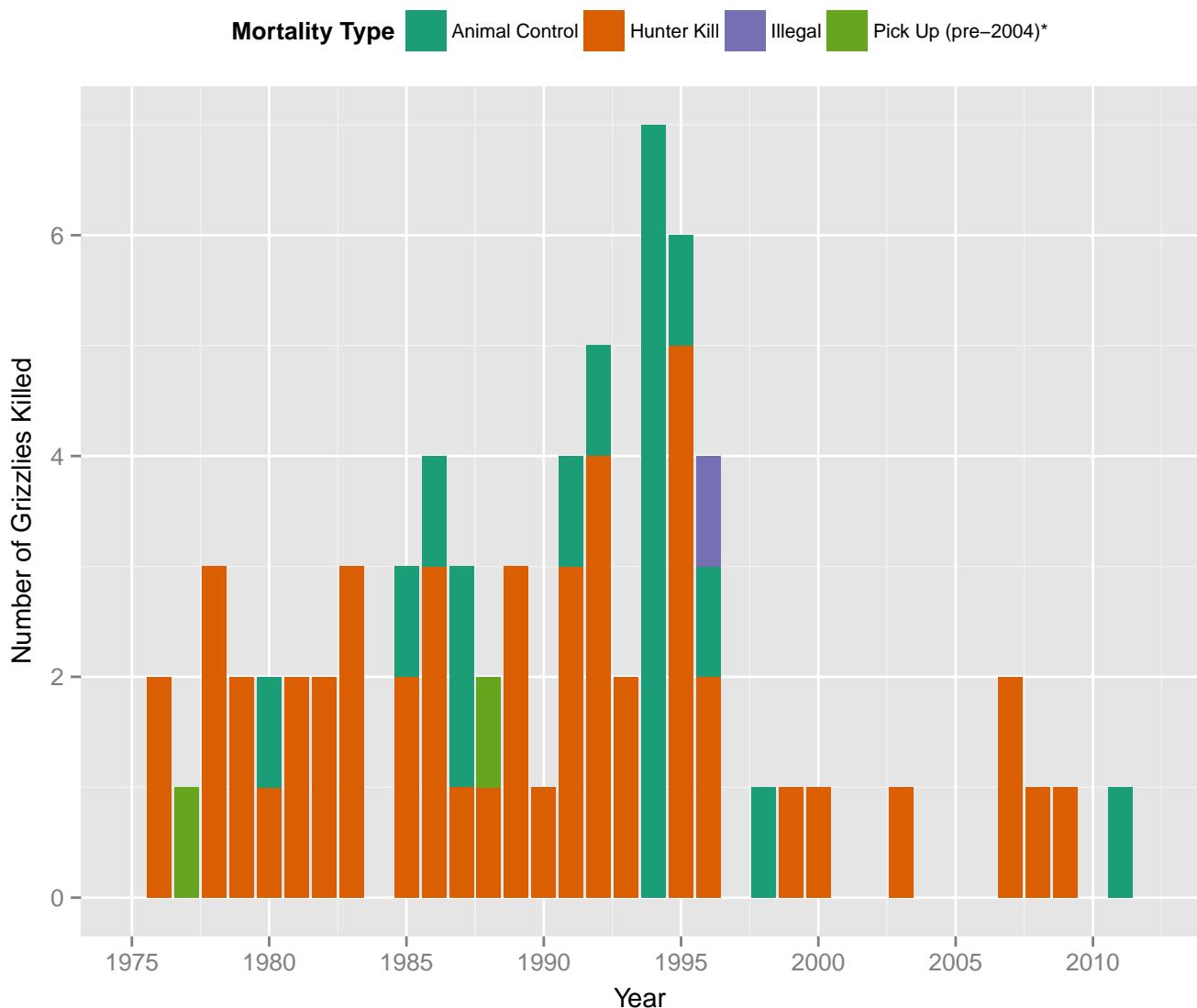
## Mortality history for the 'Nulki' Grizzly bear population unit, 1976–2011



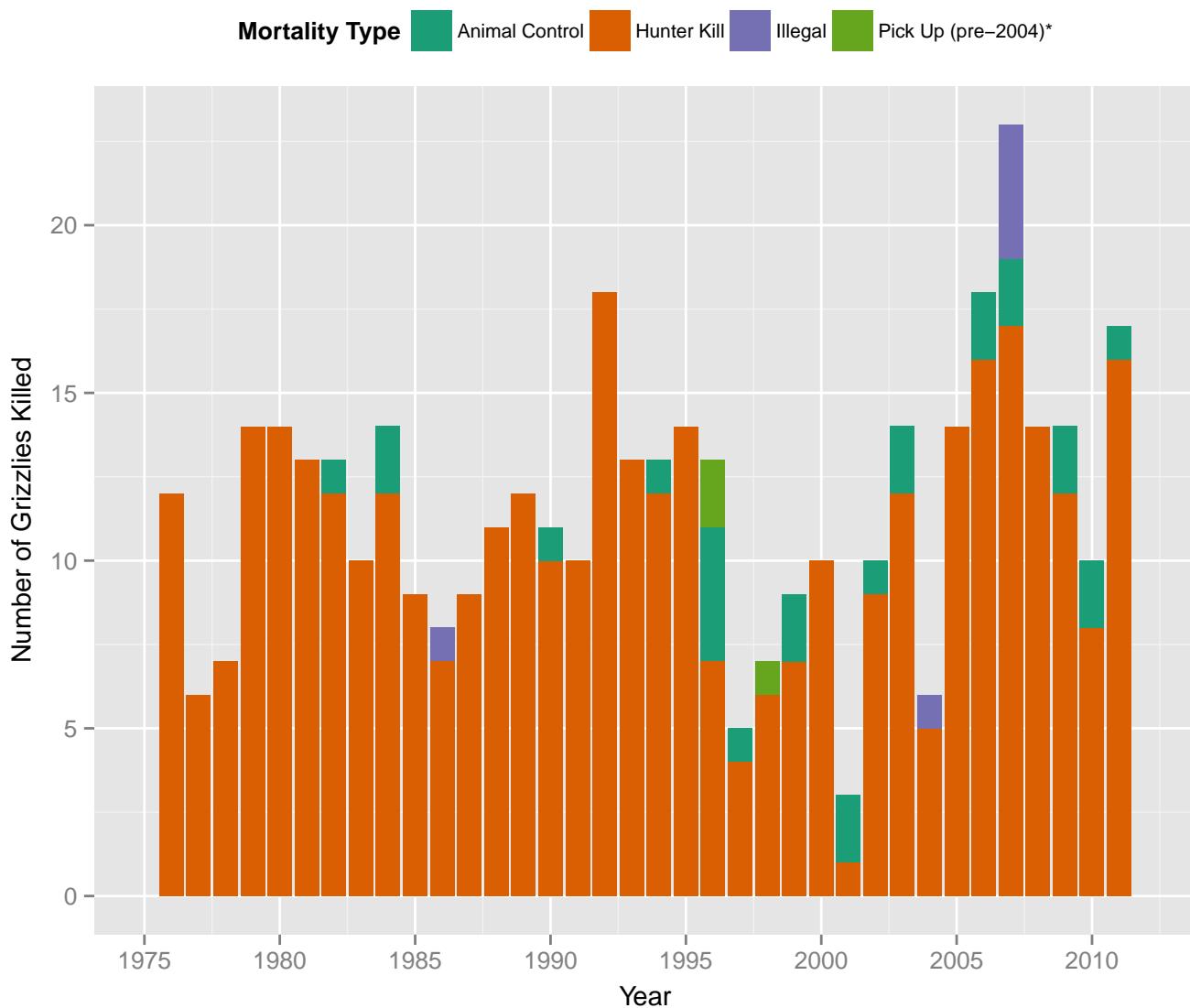
## Mortality history for the 'Tweedsmuir' Grizzly bear population unit, 1976–2011



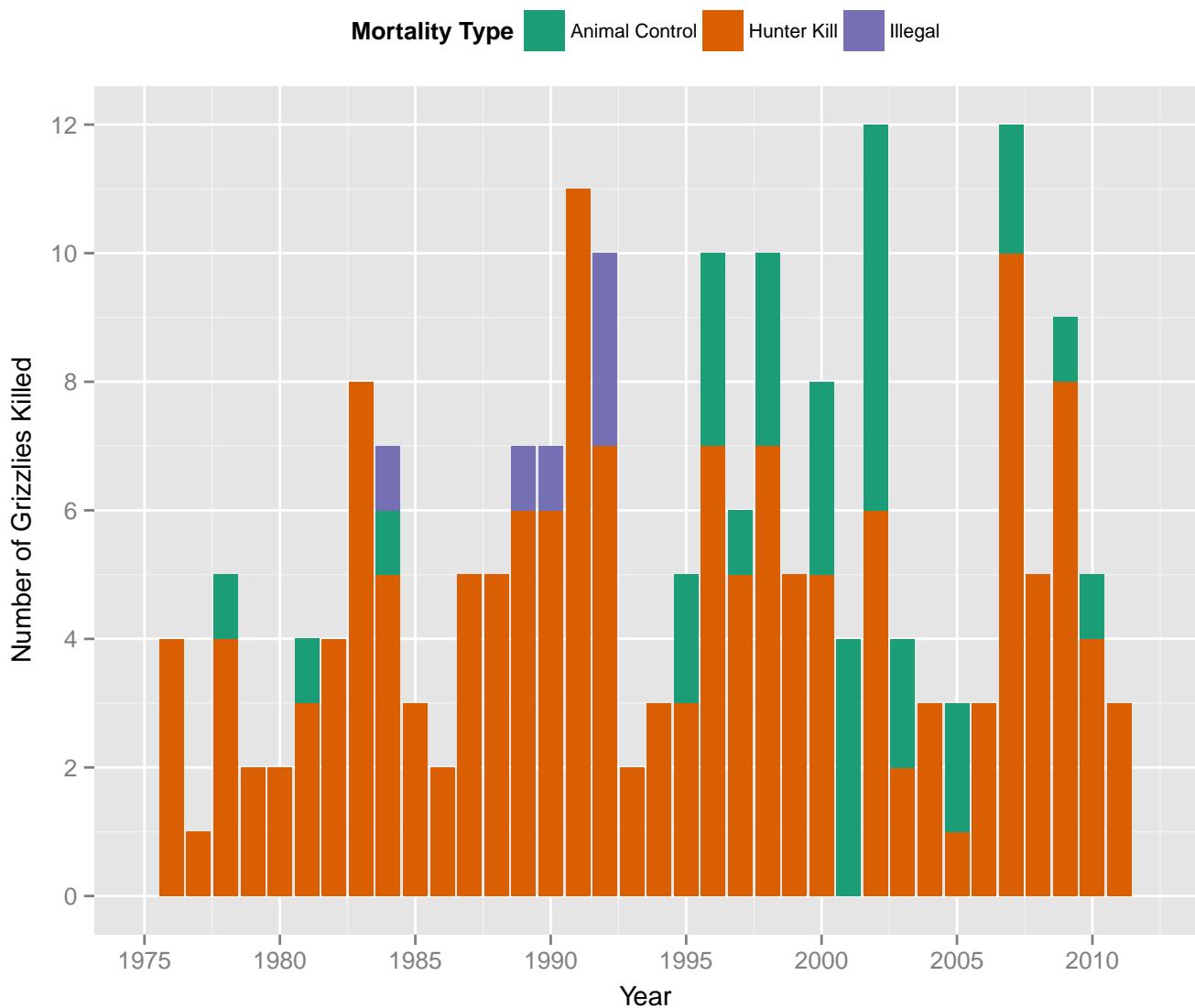
## Mortality history for the 'Francois' Grizzly bear population unit, 1976–2011



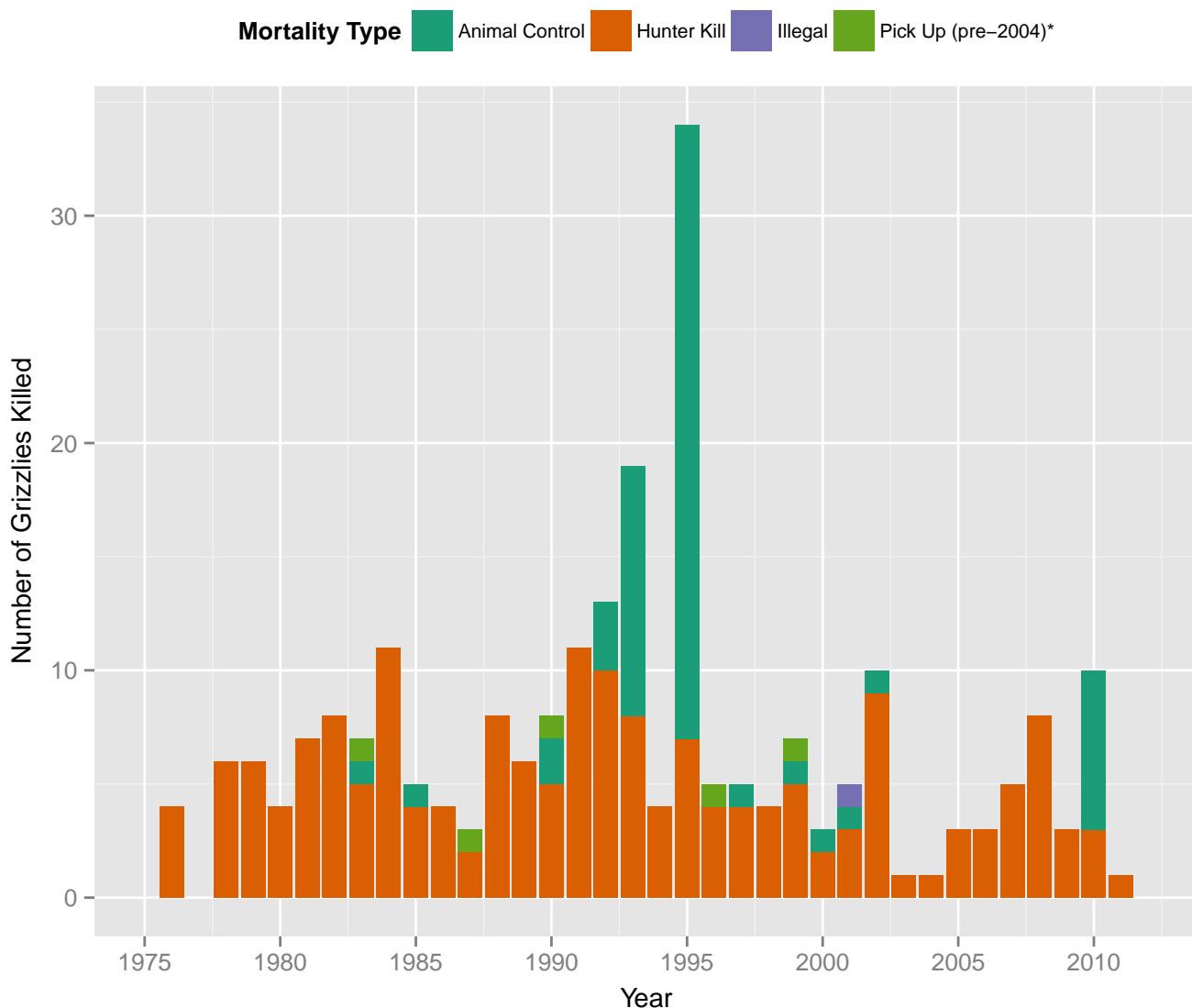
## Mortality history for the 'Cassiar' Grizzly bear population unit, 1976–2011



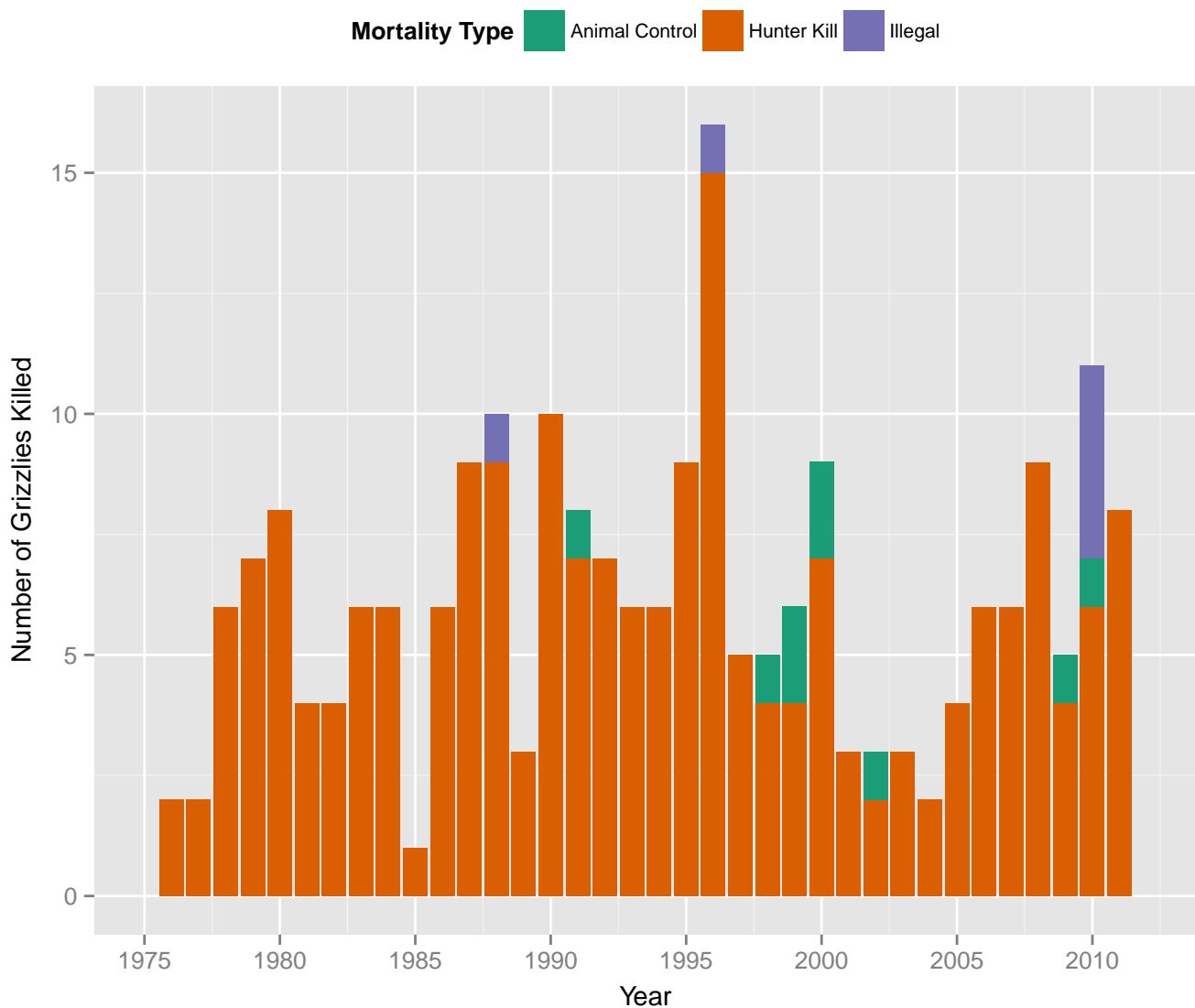
## Mortality history for the 'Central Selkirk' Grizzly bear population unit, 1976–2011



## Mortality history for the 'Moberly' Grizzly bear population unit, 1976–2011



Mortality history for the 'Edziza–Lower Stikine' Grizzly bear population unit, 1976–2011



## Mortality history for the 'Tatshenshini' Grizzly bear population unit, 1976–2011

