

Fire

Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases.

Fire does not include:

- lightning
- forest fire
- motor vehicle accidents
- explosion - steam/ammunition

Injury

A person injured as a direct result of a fire.

MINOR INJURY:

An injury that does not require hospitalization of more than a 24-hour period or absence from work of not more than one full day.

LIGHT INJURY:

An injury that required admission to a hospital for between 24 hours to 48 hours and/or absence from work for a period of two to fifteen days.

SERIOUS INJURY:

An injury that required admission to a hospital for a period of more than 48 hours and/or an absence from work for a period exceeding fifteen days.

Juvenile Fire Setter

Children and/or adolescents (under 18 years of age) that engage in fire setting

CONTACT INFORMATION

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Report prepared by the Office of the Fire Commissioner

If you have any questions or concerns regarding this report, or require more detailed statistical information, we encourage you to contact us.

Toll Free: 1-888-988-9488

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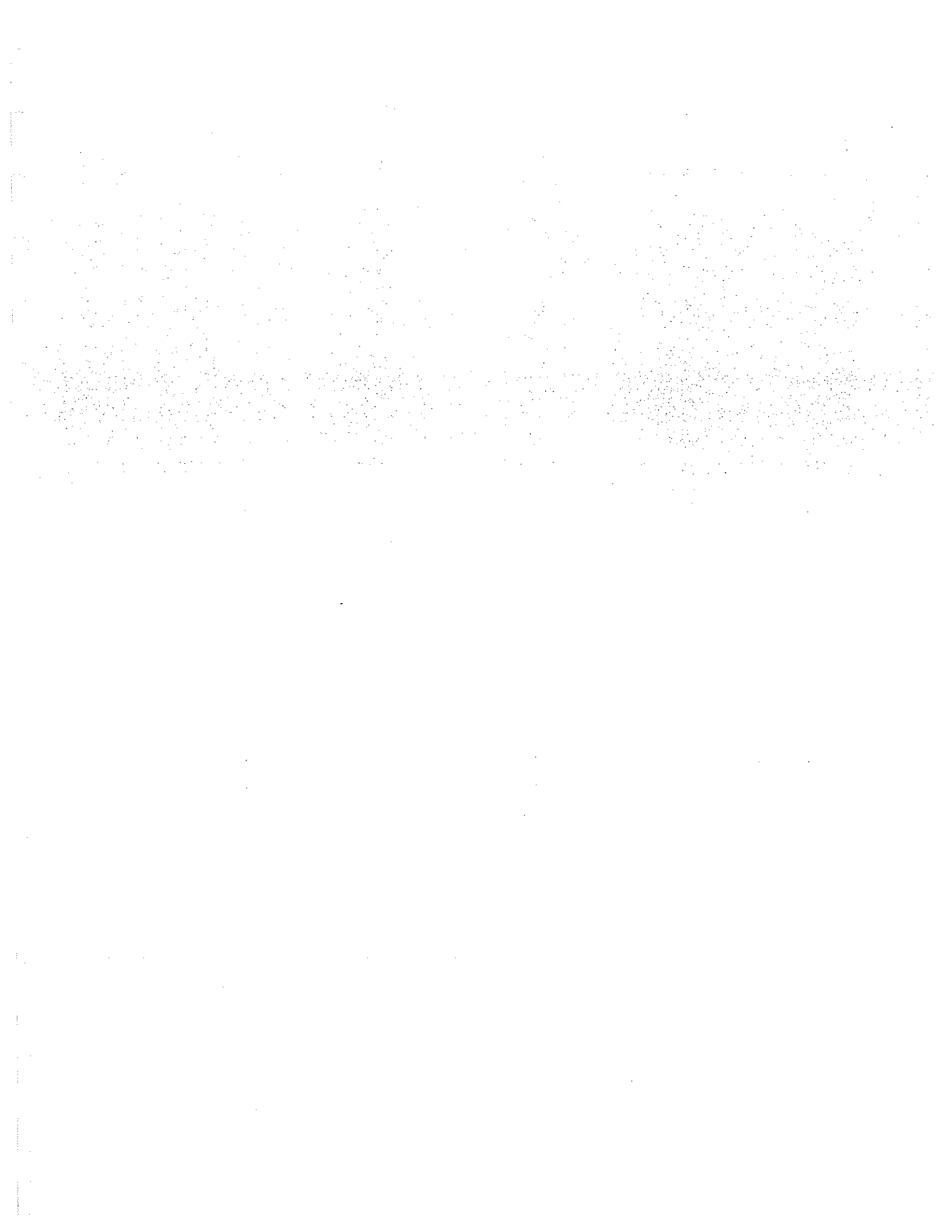
REPORT POSTED MARCH 2010

Annual Statistical Fire Report 2007



**Emergency Management BC
Office of the Fire Commissioner**

This report contains British Columbia fires as reported to the Office of the Fire Commissioner for 2007



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British Columbia Fire Injuries and Fatalities

BC Dollar Losses, Fire Injuries and Fire Fatalities 5 Year Summary

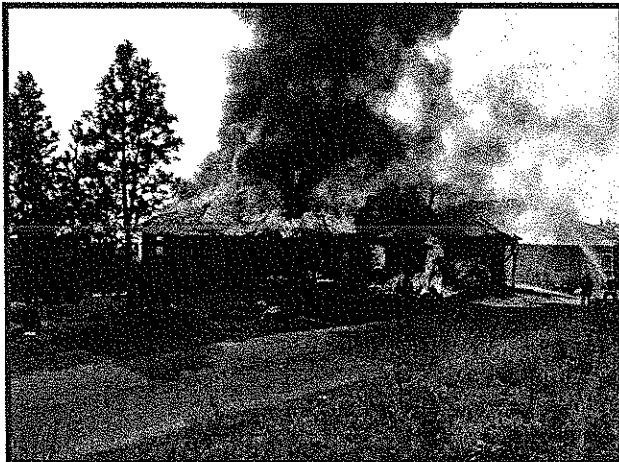
Year	Population for BC	Total Number of Fires	Civilian Injuries	Firefighter Injuries	Civilian Fatalities	Firefighter Fatalities	BC Fire Injury/Fatality Rate*
2003	4,122,396	6270	175	37	23	0	5.1/0.6
2004	4,155,170	7622	197	11	28	2	5.0/0.7
2005	4,196,788	7250	175	20	34	1	4.6/0.8
2006	4,243,580	8073	180	21	23	0	4.7/0.5
2007	4,309,632	7846	150	22	43	0	4.0/1.0
Totals		37,059	877	111	151	3	
5 Year Average	4,205,513	7412	175	22	30	0.6	4.7/0.7

* BC Fire Injury/Fatality Rate per 100,000 populations.

1. Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include: lightning, forest fires, motor vehicle accidents, and explosions - steam/ammunition.
2. Population Source: BC Stats.
3. Totals as reported to the Office of the Fire Commissioner.

Fire Fatalities by Property Classification

Property Classification	Fatalities	%
Residential - One and Two Family Dwellings	25	58
Residential - Mobile Homes	8	19
Outside Area	5	12
Occupational	3	7
Hotel/Motel	1	2
Social Housing	1	2
Totals	43	100



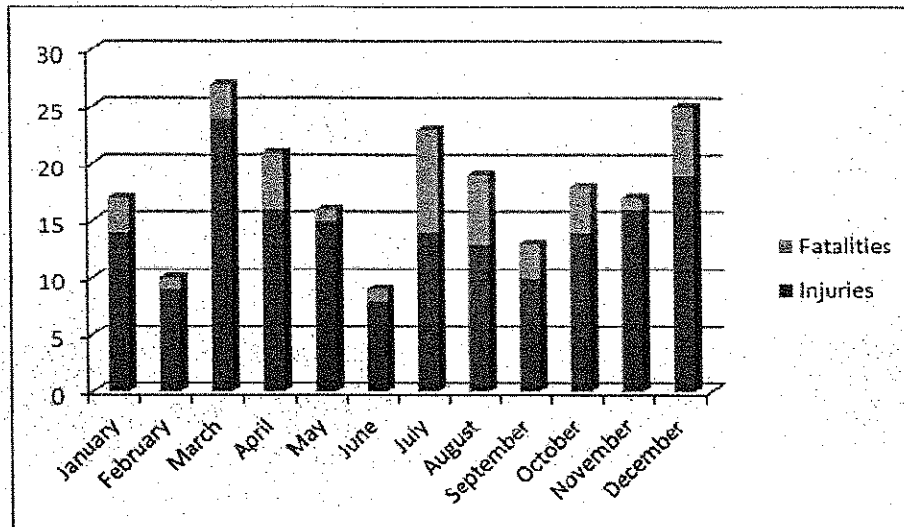
FIRE FACTS

Fire Injuries and Fatalities 2007

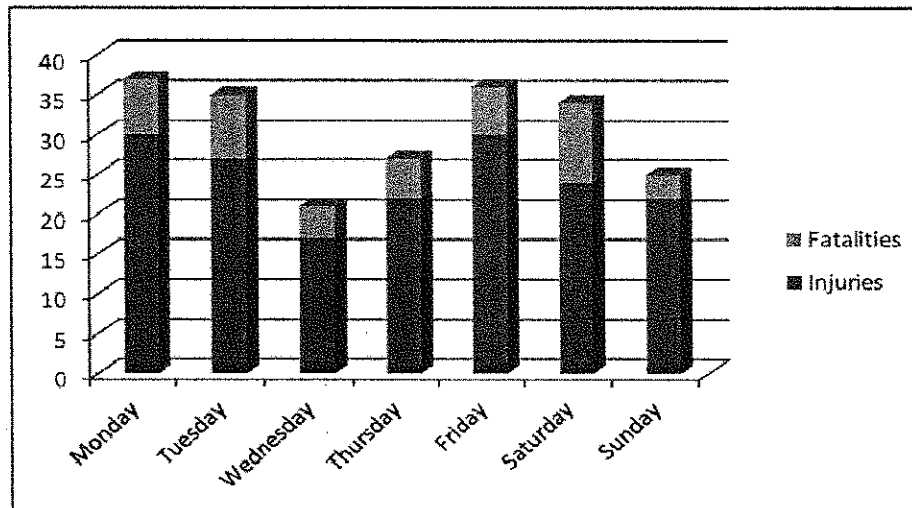
- Most injuries occurred in the spring months (March-May 33%) and winter months (Nov-Jan 28%).
- Most fatalities occurred in the July and August having greatest percentage (35%).
- 11% of fire fatalities were caused by smoking materials (cigarette, lighter, matches) and 11% of fire injuries were caused by the stovetop/oven where the igniting object were determined as cause of the fires.

British Columbia Fire Injuries and Fatalities

Fire Fatalities and Injuries by Month



Fire Fatalities and Injuries by Day of Week

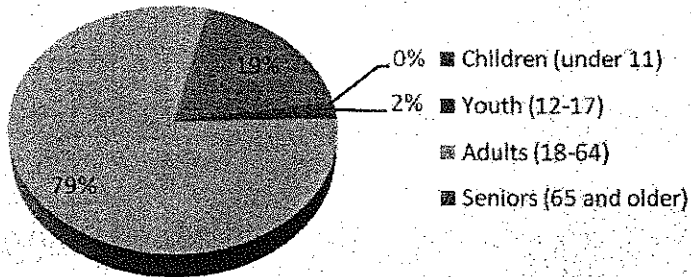


Fire Fatalities and Injuries by Time of Day

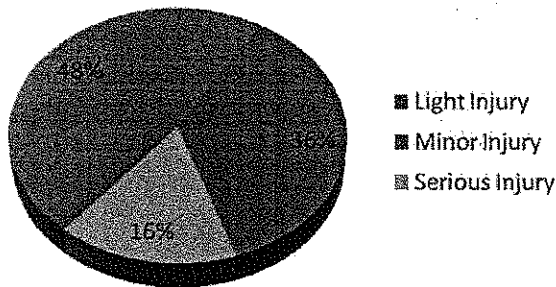
Time of Day Range	Fire Injuries		Fire Fatalities	
	Number	%	Number	%
6:01am - 11:59am	27	16	7	16
12 noon - 4:59pm	31	18	10	23
5pm - 9:59pm	27	16	4	9
10pm - 6am	87	50	22	52
Total	172	100	43	100

British Columbia Fire Injuries and Fatalities

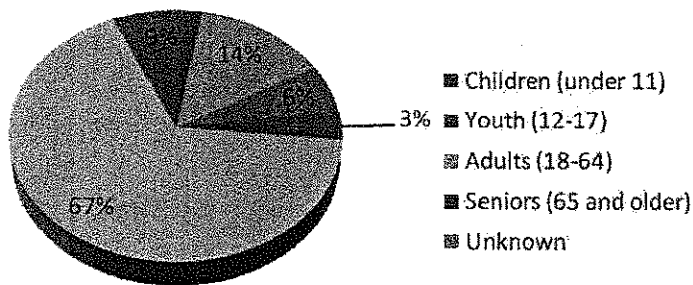
Fire Fatalities by Age Group



Type of Fire Injuries



Fire Injuries by Age Group



Location of Fire Fatalities

Abbotsford	2
Agassiz	1
Baldonnel	1
Balfour	1
Boston Bar	1
Burnaby	1
Chilliwack	1
Coquitlam	2
Cranbrook	1
Dease Lake	1
Delta	2
Hope	1
Kamloops	1
Kitimat	1
Merritt	1
Nanaimo	1
Osoyoos	1
Port Simpson	1
Pemberton	1
Penelekut	1
Prince George	1
Princeton	2
Saanich	1
Sayward	1
Sooke	1
Surrey	4
Trail	1
Vancouver	5
Victoria	3
Westbank	1
Totals	43

* Above statistics include 22 firefighter injuries and 0 firefighter fatalities.

* See glossary for definitions of types of injuries.

Residential Fires and Smoke Alarm Operation



Top Areas of Origin for Fires Started in Residential Homes:

1. Kitchen - 24%
2. Bedroom - 9%
3. Living room - 9%
4. Chimney - 6%

Smoke Alarm Operation

Smoke Alarm Breakdown by Description in Building Structures	Number of Fires	Total Dollar Loss	Injuries	Fatalities
Cannot be determined	592	\$61,298,240	28	14
Alarm Activated - Assisted Occupant(s) in evacuating	401	\$22,949,564	29	2
Alarm Activated - Inaudible	10	\$331,450	0	0
Alarm Activated - Occupant(s) unable to respond	15	\$346,910	3	1
Alarm Activated - Unnecessary to evacuate or unoccupied	146	\$3,216,296	3	0
Alarm Activated - Occupant action unknown	82	\$6,326,620	6	1
Alarm Not Activated - Unsuitable location	92	2,661,872	2	0
Alarm Not Activated - No battery or battery dead	72	\$2,512,224	4	1
Alarm Not Activated - AC power not connected, disabled or off	35	\$729,250	1	0
Alarm Not Activated - Mechanical Failure	10	\$390,389	0	0
Alarm Not Activated - Unknown	339	\$15,371,377	26	4
No smoke alarm installed	450	\$22,672,876	22	11
Sub-total - Smoke Alarm did not activate, or was not installed	998	\$44,237,988	55	16
Totals	2244	\$138,807,068	124	34

Fire Facts

Residential Fires

- In 2007, residential fires accounted for nearly 72% of fire-related injuries in BC.
- On average, a British Columbian is injured by residential fire every 71 hours in BC.
- In 2007, there were 2,244 residential fires reported in B.C., resulting in 34 fatalities.
- Adults have the highest risk (74%) then seniors (24%) of dying in the home fires.
- Cooking is the leading cause of the determined home fires and fire related injuries.

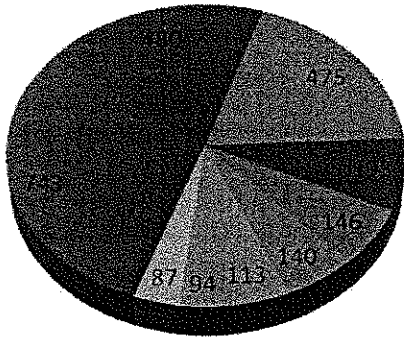
Fire Dollar Losses in BC and Top Causes of Fires

Five Year Fire Dollar Losses in BC

Year	Total Number of Fires	All Fires in BC Dollar Loss
2003	6270	\$485,414,632
2004	7622	\$167,801,269
2005	7250	\$213,474,122
2006	8073	\$236,880,593
2007	7846	\$307,307,614
Totals	37,059	\$1,410,878,230
5 Year Average	7412	\$282,175,646



Top Causes of Fires



- Match or lighter - not used for smoking
- Stove, Range, Top Burner Area, Oven
- Smoker's material - cigarette
- Internal combustion engine
- Permanent electric wiring, non-aluminum cable
- Fireplace/Chimney
- Vehicle Wiring
- Electrical Equipment - unclassified
- Wood/Pellet Stove

Breakdown of Fires by Act or Omission

Act of Omission	Percentage	Injured	Fatality	Dollar Loss
Accidental	45%	120	19	\$103,924,976
Undetermined	29%	38	23	\$144,710,553
Incendiary	25%	12	0	\$45,653,523
Natural	1%	2	1	\$13,018,562
Totals	100%	172	43	\$307,307,614



Fire Prevention Week Facts

- Through a federal proclamation signed in 2007, the second week of October will be known as "Fire Prevention Week" across Canada.
- The focus of the 2007 campaign was Practise Your Escape Plan.
- NFPA announced a new resource just in time for FPW. The *Get to Know EDITH* video introduces children to EDITH – Exit Drills In The Home. In this animated video, children take on the role of fire safety "expert" for their families as Sparky the Fire Dog® helps them understand how making and practicing a home fire escape plan can help people survive fire.
- BC Fire departments are the catalysts that get the Fire Prevention Week message out to BC schools, targeting kindergarten through grade 3 children and their families. Without fire department engagement, creative initiatives, communications and steadfast support to their communities, the fire safety message would not be as successful as it is.

Juvenile Firesetter Statistics

Gender Breakdown for Juvenile Firesetter :

- Male - 59
- Female - 11

Ignition Source used to start fires:

- Lighter - 43
- Matches - 17
- Other - 10

Fires Per Capita by Location *

Location Name	2007 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
100 Mile House	1,919	32	0	0	449,647	234.3	16.7
Abbotsford	131,250	470	8	2	12,254,372	93.4	3.6
Alert Bay	476	0	0	0	0	0	0
Anmore	2,030	1	0	0	17,075	8.4	0.5
Armstrong	4,350	7	1	0	902,817	207.5	1.6
Ashcroft	1,722	6	0	0	76,025	44.1	3.5
Barriere	n/a	0	0	0	0	0	0
Belcarra	679	0	0	0	0	0	0
Bowen Island	3,522	0	0	0	0	0	0
Burnaby	214,938	105	8	1	7,931,801	36.9	0.5
Burns Lake	2,164	2	0	0	202,900	93.8	0.9
Cache Creek	1,058	1	1	0	50,000	47.3	0.9
Campbell River	30,447	95	0	0	1,651,984	54.3	3.1
Canal Flats	747	0	0	0	0	0	0
Castlegar	7,510	13	1	0	196,945	26.2	1.7
Central Saanich	16,024	28	0	0	1,361,905	85.0	1.7
Chase	2,409	4	0	0	2,120,712	880.3	1.7
Chetwynd	2,638	2	0	0	117,625	44.6	0.8
Chilliwack	73,300	270	22	1	5,838,442	79.7	3.7
Clearwater	n/a	1	0	0	70,00	0	0
Clinton	573	6	0	0	155,040	270.6	10.5
Coldstream	9,904	5	0	0	15,900	1.6	0.5
Colwood	15,582	24	1	0	218,740	14.0	1.5
Comox	12,721	2	0	0	0	0.0	0.2
Coquitlam	120,260	114	2	2	9,214,016	76.6	0.9
Courtenay	23,369	39	0	0	1,558,397	66.7	1.7
Cranbrook	18,585	30	0	1	464,900	25.0	1.6
Creston	4,988	39	2	0	135,401	27.1	7.8
Cumberland	2,880	2	0	0	27,000	9.4	0.7
Dawson Creek	11,290	51	0	0	11,757,867	1041.4	4.5
Delta	99,302	25	0	2	565,018	5.7	0.3
Duncan	4,978	7	0	0	31,871	6.4	1.4
Elkford	2,518	18	0	0	3,618,486	1437.0	7.1
Enderby	2,869	7	0	0	1,477,475	515.0	2.4
Esquimalt	17,528	5	3	0	52,000	3.0	0.3
Fernie	4,293	5	3	0	509,700	118.7	1.2
Fort St. James	1,362	0	0	0	0	0	0
Fort St. John	18,394	30	2	0	11,074,666	602.1	1.6
Fraser Lake	1,135	1	0	0	2,000	1.8	0.9

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2007 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Fruitvale	2,010	1	0	0	5,500	2.7	0.5
Gibsons	4,336	4	0	0	46,466	10.7	0.9
Gold River	1,411	1	0	0	7,585	5.4	0.7
Golden	3,858	36	0	0	1,072,998	278.1	9.3
Grand Forks	4,104	32	0	0	664,463	161.9	7.8
Granisle	377	1	0	0	60,000	159.2	2.7
Greenwood	633	1	0	0	30	0	1.6
Harrison Hot Springs	1,584	0	0	0	0	0	0
Hazelton	296	0	0	0	0	0	0
Highlands	2,036	0	0	0	0	0	0
Hope	6,161	43	1	1	938,358	152.3	7.0
Houston	3,062	7	0	0	623,100	203.5	2.3
Hudson's Hope	1,009	2	0	0	14,225	14.1	2.0
Invermere	3,184	1	0	0	558,000	175.3	0.3
Kamloops	84,383	136	3	1	4,418,673	52.4	1.6
Kaslo	1,167	1	0	0	165,000	141.4	0.9
Kelowna	114,670	199	2	0	5,452,804	47.6	1.7
Kent	5,341	18	0	1	1,245,900	233.3	3.4
Keremeos	1,325	4	0	0	530,367	400.3	3.0
Kimberley	6,323	21	0	0	984,792	155.7	3.3
Kitimat	9,096	24	0	1	249,900	27.5	2.6
Ladysmith	7,899	28	0	0	186,230	23.6	3.5
Lake Country	10,221	38	1	0	712,114	69.7	3.7
Lake Cowichan	2,962	4	0	0	1,125	1.5	1.4
Langford	24,766	83	0	0	245,869	11.5	3.4
Langley District Municipality	99,020	324	6	0	5,187,765	52.4	3.3
Langley, City of	25,169	29	1	0	571,300	22.7	1.2
Lantzville	3,721	0	0	0	0	0	0
Lillooet	2,318	4	0	0	147,639	63.7	1.7
Lions Bay	1,403	0	0	0	0	0	0
Logan Lake	2,194	2	0	0	2,947	1.3	0.9
Lumby	1,710	6	0	0	391,298	228.8	3.5
Lytton	231	0	0	0	0	0	0
Mackenzie	4,534	6	0	0	495,000	109.2	1.3
Maple Ridge	72,508	61	4	0	2,999,039	41.4	0.8
Masset	937	1	0	0	5,000	5.3	1.1
McBride	659	1	0	0	5,154	7.8	1.5
Merritt	7,393	31	0	1	433,408	58.6	4.2

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2007 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Metchosin	5,061	0	0	0	0	0	0
Midway	643	0	0	0	0	0	0
Mission	36,283	48	0	0	4,097,631	112.9	1.3
Montrose	1,023	0	0	0	0	0	0
Nakusp	1,512	10	0	0	37,594	24.9	6.6
Nanaimo	81,464	363	10	1	5,564,888	68.3	4.5
Nelson	9,475	39	0	0	737,300	77.8	4.1
New Denver	503	0	0	0	0	0	0
New Hazelton	610	0	0	0	0	0	0
New Westminster	61,783	63	1	0	22,068,311	357.2	1.0
North Cowichan	28,801	15	0	0	1,675,847	58.2	0.5
North Saanich	10,875	3	0	0	255,000	23.4	0.3
North Vancouver District Municipality	85,974	64	0	0	1,808,918	21.0	0.7
North Vancouver, City of	47,282	123	0	0	3,135,866	66.3	2.6
Northern Rockies Regional Municipality (Fort Nelson)	4,457	29	8	0	8,724,983	1957.6	6.5
Oak Bay	17,971	66	0	0	278,230	15.5	3.7
Oliver	4,450	5	0	0	61,426	13.8	1.1
Osoyoos	7,928	15	1	1	207,959	42.2	3.0
Parksville	11,315	1	0	0	2,700	0.2	0.1
Peachland	5,113	17	0	0	95,806	18.7	3.3
Pemberton	2,359	1	0	1	0	0	0.4
Penticton	32,857	123	0	0	3,295,392	100.3	3.7
Pitt Meadows	16,584	8	0	0	256,300	15.5	0.5
Port Alberni	17,624	7	0	0	447,693	25.4	0.4
Port Alice	841	6	0	0	4,900	5.8	7.1
Port Clements	450	0	0	0	0	0	0
Port Coquitlam	54,976	125	1	0	1,473,246	26.8	2.3
Port Edward	577	0	0	0	0	0	0
Port Hardy	3,925	3	0	0	73,982	18.8	0.8
Port McNeill	2,655	1	0	0	19,798	7.5	0.4
Port Moody	29,947	9	0	0	357,788	11.9	0.3
Pouce Coupe	744	1	0	0	20,500	27.6	1.3
Powell River	13,145	17	0	0	404,237	30.8	1.3
Prince George	73,346	503	5	1	3,556,332	48.5	6.9
Prince Rupert	12,907	81	1	0	562,100	43.6	6.3

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2007 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Princeton	2,696	3	2	2	682,470	253.1	1.1
Qualicum Beach	8,619	3	0	0	459,463	53.3	0.3
Quesnel	9,504	34	0	0	1,715,656	180.5	3.6
Radium Hot Springs	892	1	0	0	0	0	1.1
Revelstoke	7,273	14	1	0	878,766	120.8	1.9
Richmond	186,395	493	1	0	10,874,273	58.3	2.6
Rosland	3,333	3	0	0	185,000	55.5	0.9
Saanich	112,072	215	8	1	2,337,352	20.9	1.9
Salmo	1,027	0	0	0	0	0	0
Salmon Arm	16,652	37	0	0	2,270,849	136.4	2.2
Sayward	326	1	0	1	77,000	236.2	3.1
Sechelt - including Indian Government	9,598	2	0	0	5,000	0.6	0.2
Sicamous	2,750	6	0	0	1,042,246	379.0	2.2
Sidney	11,552	5	0	0	115,500	10.0	0.4
Silverton	192	0	0	0	0	0	0
Slocan	345	0	0	0	0	0	0
Smithers	5,207	3	0	0	3,355,000	644.3	0.6
Sooke	10,334	27	0	0	482,440	46.7	2.6
Spallumcheen	4,983	10	1	0	406,400	81.6	2.0
Sparwood	3,704	10	1	0	1,656,724	447.3	2.7
Squamish	15,982	7	0	0	1,071,160	67.0	0.4
Stewart	481	1	0	0	0	0	2.1
Summerland	11,013	44	0	0	73,436	6.7	4.0
Sun Peaks Mountain	n/a	0	0	0	0	0	0
Surrey	422,915	701	33	4	27,958,106	66.1	1.7
Tahsis	354	0	0	0	0	0	0
Taylor	1,403	2	0	0	18,500	13.2	1.4
Telkwa	1,332	0	0	0	0	0	0
Terrace	11,358	69	1	0	568,716	50.1	6.1
Tofino	1,773	1	0	0	3,418	1.9	0.6
Trail	7,366	16	4	1	530,201	72.0	2.2
Tumbler Ridge	2,434	2	0	0	3,000	1.2	0.8
Ucluelet	1,545	2	0	0	18,656	10.1	1.3
Valemount	1,007	0	0	0	0	0	0
Vancouver	609,974	593	1	5	11,405,379	18.7	1.0
Vanderhoof	4,144	1	0	0	17,403	4.2	0.2
Vernon	37,554	24	3	0	1,916,701	51.	0.6
Victoria	81,657	104	6	3	1,925,900	23.6	1.3

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2007 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
View Royal	9,171	10	0	0	610,200	66.5	1.1
Village of Queen Charlotte	951	0	0	0	0	0	0
Warfield	1,794	1	0	0	150,000	83.6	0.6
Wells	244	0	0	0	0	0	0
West Kelowna	n/a	0	0	0	0	0	0
West Vancouver	42,977	27	0	0	375,705	8.7	0.6
Whistler	9,750	18	0	0	12,859,537	1318.9	1.8
White Rock	18,998	1	0	0	2,509	0.1	0.1
Williams Lake	11,107	107	1	0	9,091,710	818.6	9.6
Zeballos	182	1	0	0	200,000	1089.9	5.5
Unincorporated Areas	525,527	904	10	8	50,265,735	95.65	1.7
BC Total Population	4,309,632	7846	172	43	\$307,307,614	71.31	1.8

*As reported to the Office of the Fire Commissioner
Population Source: BC Vital Stats

Fire Facts

- OFC coordinated 13 deployments of structure protection personnel/equipment in 2007.
- There were 60 fires related to school property with a total dollar loss of \$19,091,408.
- There were 171 industrial fires totaling \$13,584,377 in dollar losses, 11 injuries and 1 fatality. 58% of these fires were related to wood, furniture, paper and printing manufacturing.
- In 2007 there were 43 fires with a total dollar loss of \$364,720 caused by fireworks.
- There were 30 structure fires related to illegal activities from grow ops and methamphetamine labs.

Act or omission (AO) - The human element by which someone has done something (an act) or failed to do something (an omission). The act or omission indicates whether the fire was deliberate, neglectful or accidental.

Area of origin - The area of a building or vehicle where the fire started.

Fire - Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include:

- Lightning, forest fire, motor vehicle accidents, explosion - steam/ammunition.

Fire Fatality - A person killed as a direct result of a fire or a person who dies from a fire injury within one year following the date on which the injury was sustained.

Fire Injury - A person injured as a direct result of a fire.

Light Injury - An injury that required admission to a hospital for between 24 hours to 48 hours and/or absence from work for a period of two to fifteen days.

Minor Injury - An injury that does not require hospitalization of more than a 24-hour period or absence from work of not more than one full day.

Serious Injury - An injury that required admission to a hospital for a period of more than 48 hours and/or an absence from work for a period exceeding fifteen days.

Incendiary or Set Fires - Includes arson, suspected arson, riot, mischief or vandalism.

Juvenile Firesetter - Children and/or adolescents (under 18 years of age) that engage in fire setting.

Material first ignited - The actual material that ignites and creates the fire condition.

Property classification - The principal use or occupancy of the building.

Residential Property - Property in which sleeping accommodation is provided for normal residential purposes. Includes one and two family dwellings, apartments, rooming or boarding houses, hotels, motels, dormitories and mobile homes.

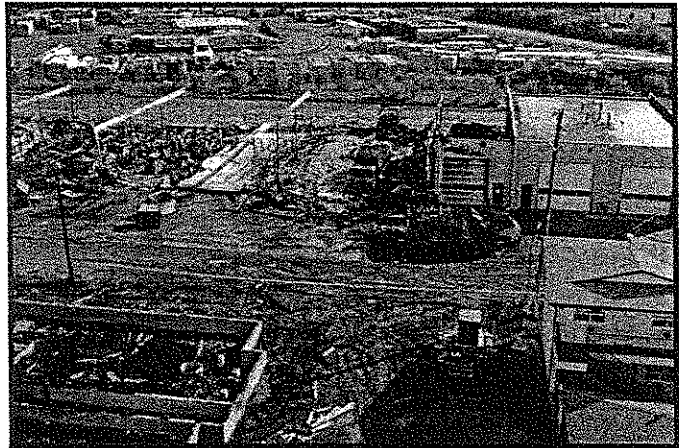
Smoker's Material and 'Open' Flames - Includes cigarettes, pipes, cigars and/or matches, lighters when used in conjunction with smoking. This includes matches and lighters not associated with smoker's material, candles, cutting torches, welding equipment and hot ashes.



Acknowledgements

Photo Acknowledgements

The Office of the Fire Commissioner would like to thank the photographers who submitted amazing pictures. They may not be copied or used elsewhere without permission from the original copyright holder.



If you have any questions or concerns regarding this report, or require more detailed statistical information, we encourage you to contact us.

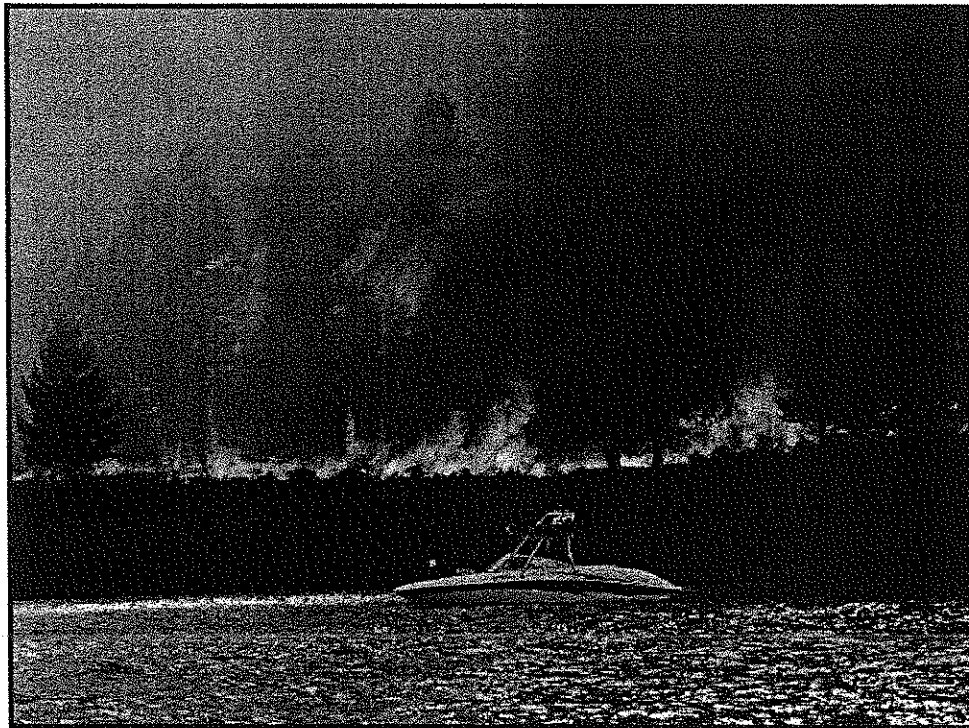
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The Office of the Fire Commissioner uses a real-time database environment. Therefore, statistics are subject to change as fire reports are completed.

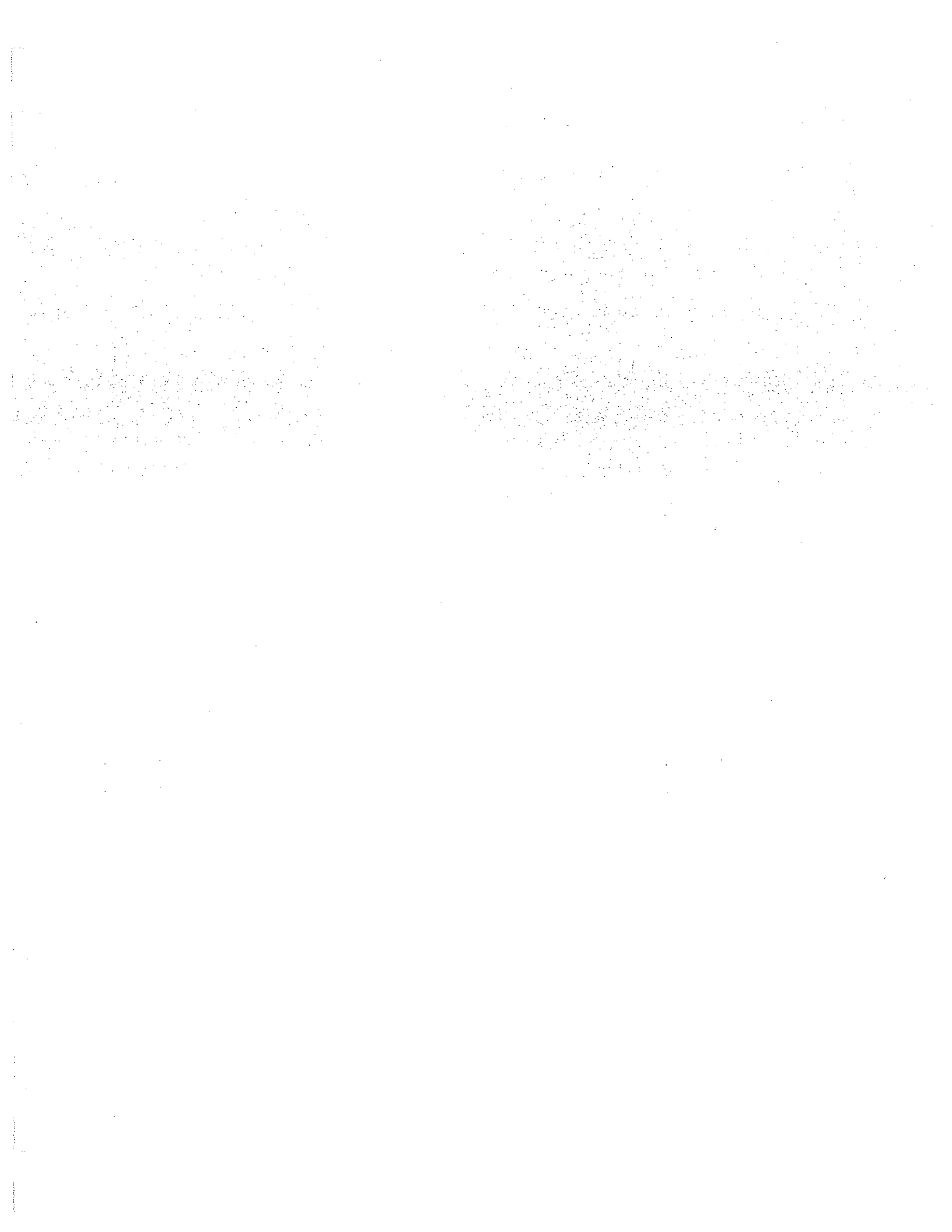
Report prepared by Shelley Ballantyne and Tammy-Lou Nieman of the Office of the Fire Commissioner.
Published September 2013.

Annual Statistical Fire Report 2008



**Emergency Management BC
Office of the Fire Commissioner**

*This report contains British Columbia fires as reported to the
Office of the Fire Commissioner for 2008*



British Columbia Fire Injuries and Fatalities

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Fire Fatalities and Injuries

BC Dollar Losses, Fire Injuries and Fire Fatalities 5 Year Summary

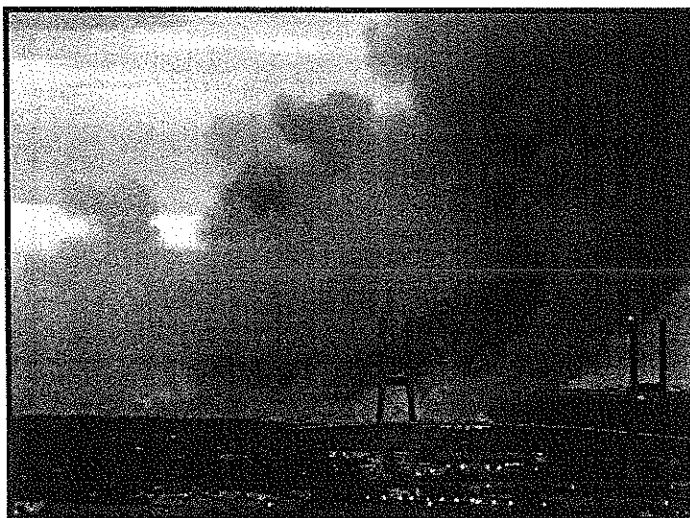
Year	Population for BC	Total Number of Fires	Civilian Injuries	Firefighter Injuries	Civilian Fatalities	Firefighter Fatalities	BC Fire Injury/Fatality Rate*
2004	4,155,170	7622	197	11	28	2	5.0/0.7
2005	4,196,788	7250	175	20	34	1	4.6/0.8
2006	4,243,580	8073	180	21	23	0	4.7/0.5
2007	4,309,632	7846	150	22	43	0	4.0/1.0
2008	4,384,047	8092	168	41	57	0	4.7/1.3
Totals		38,883	870	115	185	3	
5 Year Average	4,257,843	7777	174	23	37	0.6	4.6/0.8

* BC Fire Injury/Fatality Rate per 100,000 populations.

1. Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include: lightning, forest fires, motor vehicle accidents, and explosions - steam/ammunition.
2. Population Source: BC Stats.
3. Totals as reported to the Office of the Fire Commissioner.

Fire Fatalities by Property Classification

Property Classification	Fatalities	%
Residential - One and Two Family Dwellings	38	66.6
Residential - Mobile Home	7	12.2
Outside Area	4	7.0
Hotel/Motel	3	5.3
Vehicle	3	5.3
Garage	1	1.8
Farm/Ranch	1	1.8
Totals	57	100

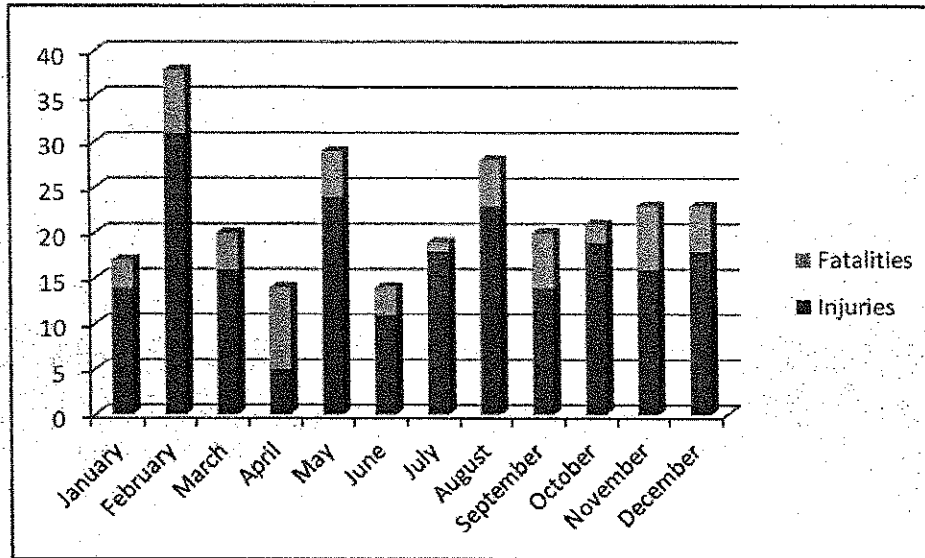


FIRE FACTS

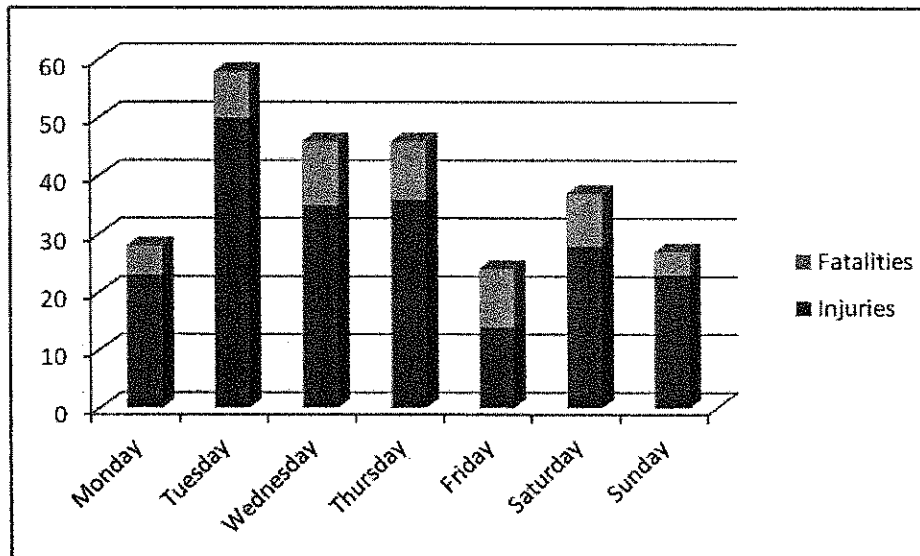
Fire Injuries and Fatalities for 2008

- Most injuries occurred in February, May and August (over 20 in each month).
- The biggest fatalities occurred in February, April, and November totalling (40%) for the year.
- 34% of fire injuries were caused by the stovetop/oven where the igniting object was determined as cause of the fires.
- 79% of all fatalities occur in residential properties.

Fire Fatalities and Injuries by Month



Fire Fatalities and Injuries by Day of Week

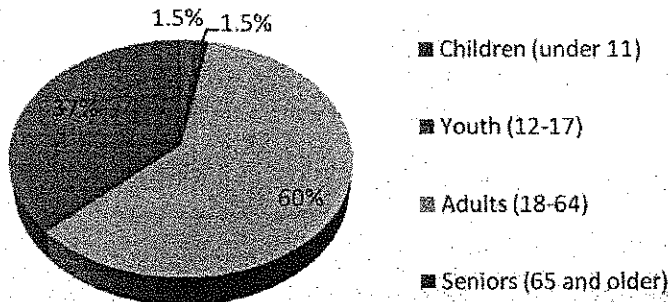


Fire Fatalities and Injuries by Time of Day

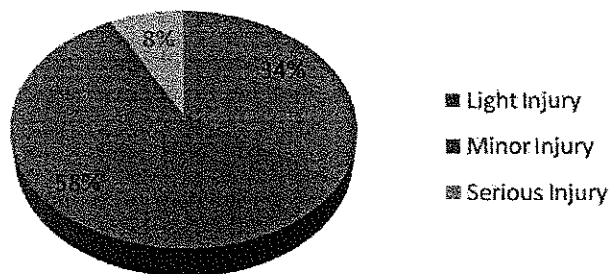
Time of Day Range	Fire Injuries		Fire Fatalities	
	Number	%	Number	%
6:01am - 11:59am	23	11.0	12	21.0
12 noon - 4:59pm	80	38.3	5	8.8
5pm - 9:59pm	43	20.6	10	17.5
10pm - 6am	63	30.1	30	52.6
Total	209	100	57	100

Fire Fatalities and Injuries

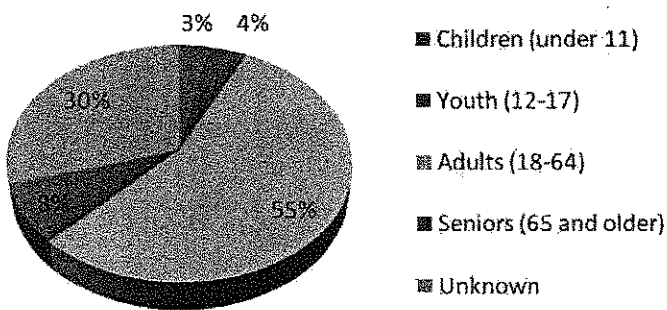
Fire Fatalities by Age Group



Type of Fire Injuries



Fire Injuries by Age Group



Location of Fire Fatalities

Barriere	1
Blackpool	1
Cassidy	1
Christina Lake	1
Coquitlam	1
Courtenay	2
Creston	4
Dease Lake	1
Delta	3
Denman Island	1
Gibsons	1
Grand Forks	1
Kamloops	1
Kelowna	2
Kitchener	1
Ladysmith	1
Lumby	2
Maple Ridge	1
Masset	1
Merritt	1
Nanaimo	1
Nelson	1
North Vancouver	5
Penny	1
Prince George	3
Quesnel	2
Richmond	1
Saanichton	2
Surrey	2
Vancouver	5
Vernon	1
Victoria	5
Totals	57

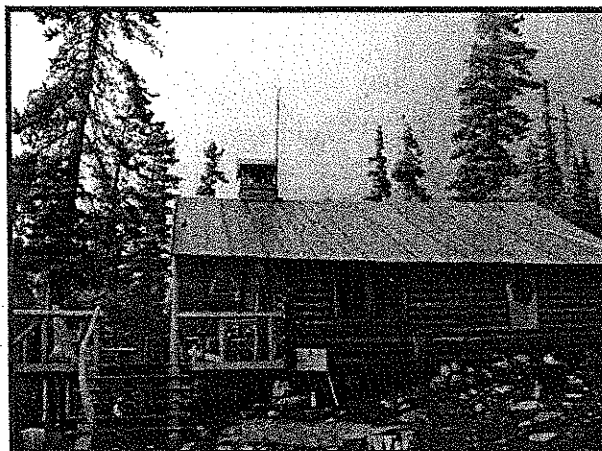
* Above statistics include 41 firefighter injuries and 0 firefighter fatalities.

* See glossary for definitions of types of injuries.

Residential Fires and Smoke Alarm Operation

Top Areas of Origin for Fires Started in Residential Homes

- Kitchen - 24%
- Structural (roof, crawlspace, wall, ceiling) - 15%
- Bedroom - 9%
- Living room - 9%
- Chimney - 1%



Smoke Alarm Operation

Smoke Alarm Breakdown by Description in Residential Structures	Number of Fires	Total Dollar Loss	Injuries	Fatalities
Cannot be determined	710	\$64,305,457	30	24
Alarm Activated - Assisted Occupant(s) in evacuating	420	\$29,331,935	45	4
Alarm Activated - Inaudible	8	\$5,932,150	0	0
Alarm Activated - Occupant(s) unable to respond	18	\$195,751	0	0
Alarm Activated - Unnecessary to evacuate or unoccupied	139	\$5,243,395	2	0
Alarm Activated - Occupant action unknown	122	\$5,495,752	20	7
Alarm Not Activated - Unsuitable location	107	\$1,920,246	5	0
Alarm Not Activated - No battery or battery dead	69	\$2,378,103	10	3
Alarm Not Activated - AC power not connected, disabled or off	43	\$1,930,110	6	3
Alarm Not Activated - Mechanical Failure	11	\$42,350	0	0
Alarm Not Activated - Unknown	345	\$17,566,144	19	2
No smoke alarm installed	455	\$25,074,281	25	4
Sub-total - smoke alarm did not activate, or was not installed	1030	\$48,911,234	65	12
Grand Totals	2447	\$159,415,674	162	47

Fire Facts

Residential Fires:

- In 2008, there were 2,447 residential fires accounting for 78% of fire-related injuries in BC.
- On average, a British Columbian is injured by residential fire every 54 hours in BC.
- Adults have the highest risk (57%) then seniors (38%) of dying in the residential fires.
- Smoking in your residence was the leading cause of residential fatalities in 2008.
- Cooking was the leading cause of the determined residential fires and fire related injuries. Candles ranked second to cooking for residential fires.

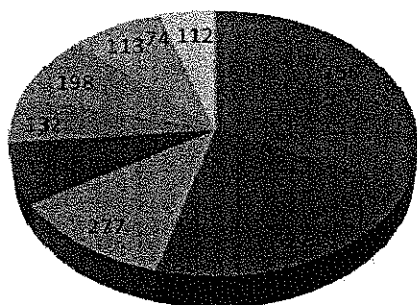
Fire Dollar Losses in BC and Top Causes of Fires

Five Year Fire Dollar Losses for BC

Year	Total Number of Fires	All Fires in BC Dollar Loss
2004	7622	\$167,801,269
2005	7250	\$213,474,122
2006	8073	\$236,880,593
2007	7846	\$307,307,614
2008	8092	\$385,910,724
Totals	38,883	\$1,311,374,322
5 Year Average	7777	\$262,274,864



Top Causes of Fires



- Match or lighter - not used for smoking
- Stove, Range, Top Burner Area, Oven
- Smoker's material - cigarette
- Internal combustion engine
- Permanent electric wiring, non-aluminum cable
- Fireplace/Chimney
- Vehicle Wiring
- Electrical Equipment - unclassified
- Wood/Pellet Stove

Breakdown of Fires by Act or Omission

Act or Omission	Percentage	Injured	Fatality	Dollar Loss
Accidental	44%	126	26	\$100,506,224
Undetermined	32%	57	27	\$107,878,541
Incendiary	23%	24	4	\$72,053,700
Natural	1%	2	0	\$105,472,259
Totals	100%	209	57	\$385,910,724



Fire Prevention Week Facts

- The 2008 Fire Prevention Week theme is "It's Fire Prevention Week: Prevent Home Fires!" The focus for this year is on raising awareness of the four major causes of house fires – cooking, electrical, heating appliances and smoking materials.
- The Fire Safety Activity Booklet highlights fire and burn safety hazards, smoke alarms, knowing what to do in case of a fire and home escape planning.
- BC Fire departments are the catalysts that get the Fire Prevention Week message out to BC schools, targeting kindergarten through grade 3 children and their families. Without fire department engagement, creative initiatives, communications and steadfast support to their communities, the fire safety message would not be as successful as it is.

Juvenile Firesetter Statistics

Gender for Juvenile Firesetters	No. of Fires	Age Range of Juveniles that set fires	No. of Fires	Ignition Source used to start fires	No. of Fires
Male	69	Ages 1-8	8	Lighter	52
Female	7	9-12	25	Matches	16
		13-18	35	Other	8
		Unknown age	8		
Totals	76		76		76

Fires Per Capita by Location *

Location Name	2008 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
100 Mile House	1,933	12	0	0	310,600	160.7	6.2
Abbotsford	133,547	434	5	0	7,349,566	55	3.2
Alert Bay	487	0	0	0	0	0	0
Anmore	2,122	0	0	0	0	0	0
Armstrong	4,468	1	0	0	984	0.2	0.2
Ashcroft	1,741	1	0	0	5,552	3.2	0.6
Barriere	1,725	0	0	0	0	0	0
Belcarra	688	1	0	0	0	0	1.5
Bowen Island	3,582	1	0	0	12,000	3.4	0.3
Burnaby	218,440	118	10	0	6,089,081	27.9	0.5
Burns Lake	2,149	5	0	0	1,270,000	591	2.3
Cache Creek	1,085	0	0	0	0	0	0
Campbell River	31,006	73	0	0	679,961	21.9	2.4
Canal Flats	783	0	0	0	0	0	0
Castlegar	7,631	8	0	0	63,057	8.3	1
Central Saanich	16,171	21	1	0	295,652	18.3	1.3
Chase	2,469	1	0	0	13,431	5.4	0.4
Chetwynd	2,640	1	0	0	4,000	1.5	0.4
Chilliwack	74,943	209	17	0	4,101,824	54.7	2.8
Clearwater	2,382	8	0	0	81,000	34.0	3.4
Clinton	597	0	0	0	0	0	0
Coldstream	10,155	9	0	0	347,200	34.2	0.9
Colwood	15,948	34	0	0	671,450	42.1	2.1
Comox	13,265	20	2	0	491,300	37	1.5
Coquitlam	121,574	138	0	1	3,198,438	26.3	1.1
Courtenay	23,981	18	0	2	1,789,565	74.6	0.8
Cranbrook	18,938	28	0	0	388,889	20.5	1.5
Creston	5,193	20	3	3	2,304,750	443.8	3.9
Cumberland	3,045	1	0	0	4,681	1.5	0.3
Dawson Creek	11,422	79	0	0	1,563,177	136.9	6.9
Delta	99,523	16	0	3	1,875,472	18.8	0.2
Duncan	4,995	7	0	0	44,329	8.9	1.4
Elkford	2,559	10	0	0	0	0	3.9
Enderby	2,890	10	0	0	982,231	339.9	3.5
Esquimalt	17,661	14	0	2	532,700	30.2	0.8
Fernie	4,367	11	0	0	931,050	213.2	2.5
Fort St. James	1,343	1	0	0	1,959	1.5	0.7
Fort St. John	18,796	40	26	0	2,572,246	136.9	2.1
Fraser Lake	1,119	2	0	0	2,000	1.8	1.8

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2008 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Fruitvale	2,049	4	0	0	269,941	131.7	2
Gibsons	4,361	2	0	1	15,00	3.4	0.5
Gold River	1,425	3	0	0	440,000	308.8	2.1
Golden	3,914	21	0	0	276,400	70.6	5.4
Grand Forks	4,184	17	0	1	559,900	133.8	4.1
Granisle	390	0	0	0	0	0	0
Greenwood	668	3	0	0	7,506	11.2	4.5
Harrison Hot Springs	1,597	1	0	0	9,235	5.8	0.6
Hazelton	298	2	0	0	29,280	98.3	6.7
Highlands	2,115	0	0	0	0	0	0
Hope	6,203	41	2	0	501,637	80.9	6.6
Houston	3,007	2	0	0	273,500	91.0	0.7
Hudson's Hope	1,031	0	0	0	0	0	0
Invermere	3,465	0	0	0	0	0	0
Kamloops	86,200	137	6	0	9,051,904	105.0	1.6
Kaslo	1,170	0	0	0	0	0	0
Kelowna	118,685	233	1	1	6,410,421	54.0	2.0
Kent	5,461	20	0	0	5,863,212	1073.7	3.7
Keremeos	1,462	14	0	0	20,545	14.1	9.6
Kimberley	6,523	20	0	0	503,371	77.2	3.1
Kitimat	9,182	26	0	0	988,249	107.6	2.8
Ladysmith	8,066	40	0	1	538,068	66.7	5.0
Lake Country	11,009	19	0	0	718,384	65.3	1.7
Lake Cowichan	3,025	24	0	0	215,143	71.1	7.9
Langford	26,123	59	0	0	507,720	19.4	2.3
Langley District Municipality	101,435	334	0	0	5,730,210	56.5	3.3
Langley, City of	25,388	24	1	0	1,618,201	63.7	0.9
Lantzville	3,745	1	0	0	310,753	83.0	0.3
Lillooet	2,373	8	0	0	435,200	183.4	3.4
Lions Bay	1,398	2	0	0	384,730	275.2	1.4
Logan Lake	2,198	5	0	0	2	0.0	2.3
Lumby	1,754	14	0	2	605,400	345.2	8.0
Lytton	226	0	0	0	0	0	0
Mackenzie	4,255	4	0	0	79,917	18.8	0.9
Maple Ridge	73,988	39	0	1	977,042	13.2	0.5
Masset	913	1	0	1	0	0.0	1.1
McBride	678	0	0	0	0	0	0
Merritt	7,455	15	0	1	339,654	45.6	2.0

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2008 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Metchosin	5,108	0	0	0	0	0	0
Midway	662	5	0	0	926,000	1398.8	7.6
Mission	36,758	45	1	0	4,026,845	109.6	1.2
Montrose	1,046	0	0	0	0	0	0
Nakusp	1,523	9	0	0	717,500	471.1	5.9
Nanaimo	82,763	407	4	1	3,900,051	47.1	4.9
Nelson	9,803	21	0	1	2,382,914	243.1	2.1
New Denver	526	0	0	0	0	0	0
New Hazelton	611	2	0	0	467,500	765.1	3.3
New Westminster	63,783	72	1	0	1,956,641	30.7	1.1
North Cowichan	29,249	13	0	0	1,022,800	35.0	0.4
North Saanich	11,025	7	0	0	599,000	54.2	0.6
North Vancouver District Municipality	86,114	89	3	1	5,809,384	67.5	1.0
North Vancouver, City of	47,783	106	13	4	4,103,886	85.9	2.2
Northern Rockies Regional Municipality (Fort Nelson)	n/a	22	1	0	3,475,050	790.0	5.0
Oak Bay	18,070	71	1	0	437,125	24.2	3.9
Oliver	4,594	8	0	0	17,188	3.7	1.7
Osoyoos	5,045	7	0	0	62,979	12.5	1.4
Parksville	11,617	2	3	0	3,800	0.3	0.2
Peachland	5,222	12	0	0	133,702	25.6	2.3
Pemberton	2,339	0	0	0	0	0	0
Penticton	32,980	90	0	0	11,708,389	355.0	2.7
Pitt Meadows	17,434	11	0	0	1,933,427	110.9	0.6
Port Alberni	17,681	12	2	0	1,235,871	69.9	0.7
Port Alice	843	2	0	0	0	0	2.4
Port Clements	461	1	0	0	0	0	2.2
Port Coquitlam	55,574	156	1	0	1,009,497	18.2	2.8
Port Edward	585	0	0	0	0	0	0
Port Hardy	3,933	2	0	0	32,588	8.3	0.5
Port McNeill	2,605	4	0	0	500	0.2	1.5
Port Moody	31,511	11	2	0	1,072,211	34.0	0.3
Pouce Coupe	738	2	0	0	255,000	345.5	2.7
Powell River	13,285	15	0	0	324,009	24.4	1.1
Prince George	73,899	422	3	3	111,987,393	1515.4	5.7
Prince Rupert	12,832	63	2	0	1,870,050	145.7	4.9

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2008 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Princeton	2,722	4	0	0	39,718	0.2	1.5
Qualicum Beach	8,754	2	0	0	80,515	9.2	0.2
Quesnel	9,627	37	6	2	1,368,070	142.1	3.8
Radium Hot Springs	973	4	0	0	252,500	259.5	4.1
Revelstoke	7,268	12	1	0	244,386	33.7	1.7
Richmond	189,064	458	15	1	14,720,153	77.9	2.4
Rossland	3,476	2	0	0	10,000	2.9	0.6
Saanich	113,203	228	2	2	4,667,127	41.2	2.0
Salmo	1,048	0	0	0	0	0	0
Salmon Arm	17,046	18	0	0	318,614	18.7	1.1
Sayward	329	4	0	0	437,952	1331.2	12.2
Sechelt - including Indian Government	9,850	13	0	0	458,818	50.9	1.4
Sicamous	2,939	0	0	0	0	0	0
Sidney	11,551	5	0	0	316,000	27.4	0.4
Silverton	198	0	0	0	0	0	0
Slocan	369	0	0	0	0	0	0
Smithers	5,288	2	0	0	73,400	13.9	0.4
Sooke	10,414	24	2	0	346,500	33.3	2.3
Spallumcheen	5,017	10	0	0	152,897	30.5	2.0
Sparwood	3,780	8	0	0	90,524	23.9	2.1
Squamish	16,586	0	0	0	0	0	0
Stewart	510	0	0	0	0	0	0
Summerland	11,143	42	0	0	589,430	52.9	3.8
Sun Peaks Mountain	n/a	0	0	0	0	0	0
Surrey	434,583	650	15	2	29,831,776	68.6	1.5
Tahsis	380	0	0	0	0	0	0
Taylor	1,469	4	0	0	325,500	221.6	2.7
Telkwa	1,359	0	0	0	0	0	0
Terrace	11,553	59	0	0	2,355,854	203.9	5.1
Tofino	1,812	0	0	0	0	0	0
Trail	7,365	14	0	0	629,836	85.5	1.9
Tumbler Ridge	2,441	0	0	0	0	0	0
Ucluelet	1,577	0	0	0	0	0	0
Valemount	1,015	0	0	0	0	0	0
Vancouver	615,888	1070	24	5	25,135,850	40.8	1.7
Vanderhoof	4,123	2	0	0	130,300	31.6	0.5
Vernon	38,348	25	0	0	3,751,219	97.8	0.7
Victoria	81,890	82	1	1	2,647,292	32.3	1.0

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2008 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
View Royal	9,355	12	0	0	591,200	63.2	1.3
Village of Queen Charlotte	952	0	0	0	0	0	0
Warfield	1,799	0	0	0	0	0	0
Wells	257	0	0	0	0	0	0
West Kelowna	27,169	0	0	0	0	0	0
West Vancouver	42,915	35	0	0	2,182,621	50.9	0.8
Whistler	9,688	19	0	0	1,681,340	173.5	2.0
White Rock	18,901	14	0	0	742,291	39.3	0.7
Williams Lake	11,144	63	0	0	989,425	88.8	5.7
Zeballos	174	2	0	0	2,212,000	12712.6	11.5
Unincorporated Areas	513,951	991	32	14	51,422,646	100.05	1.9
BC Total Population	4,384,047	8092	209	57	\$385,910,724	0	0

*As reported to the Office of the Fire Commissioner
Population Source: BC Stats

Fire Facts

- OFC coordinated 26 deployments of structure protection personnel/equipment in 2008, double the number from the previous year.
- There were 69 fires related to school property with a total dollar loss of \$1,295,281.
- There were 127 industrial fires totaling \$111,557,160 in dollar losses, and 6 injuries. 55% of these fires were related to wood, furniture, paper and printing manufacturing.
- Fireworks caused 34 fires with a total dollar loss of \$421,186.
- There were 23 structure fires related to illegal activities from grow ops and methamphetamine labs.

Act or omission - The human element by which someone has done something (an act) or failed to do something (an omission). The act or omission indicates whether the fire was deliberate, neglectful or accidental.

Area of origin - The area of a building or vehicle where the fire started.

Fire - Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include:

- Lightning, forest fire, motor vehicle accidents, explosion - steam/ammunition.

Fire Fatality - A person killed as a direct result of a fire or a person who dies from a fire injury within one year following the date on which the injury was sustained.

Fire Injury - A person injured as a direct result of a fire.

Light Injury - An injury that required admission to a hospital for between 24 hours to 48 hours and/or absence from work for a period of two to fifteen days.

Minor Injury - An injury that does not require hospitalization of more than a 24-hour period or absence from work of not more than one full day.

Serious Injury - An injury that required admission to a hospital for a period of more than 48 hours and/or an absence from work for a period exceeding fifteen days.

Incendiary or Set Fires - Includes arson, suspected arson, riot, mischief or vandalism.

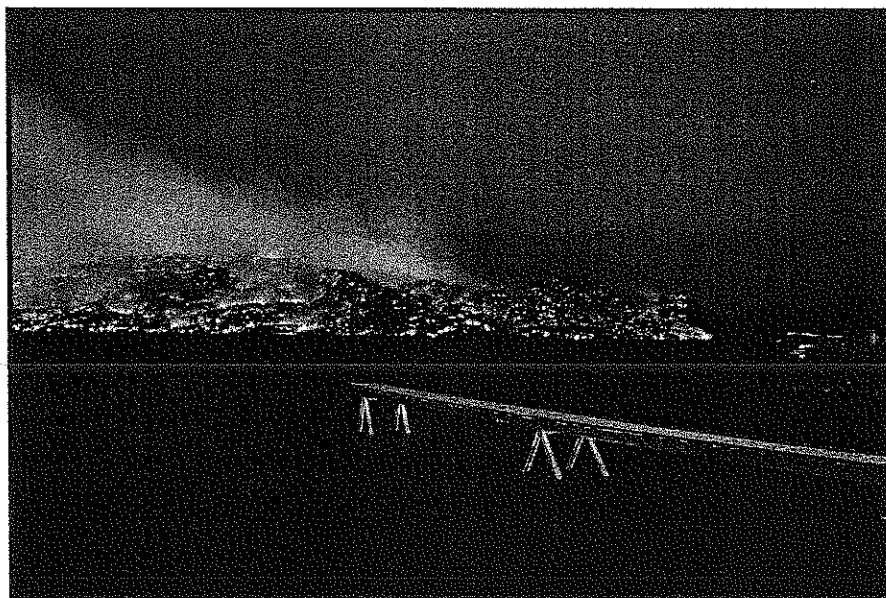
Juvenile Firesetter - Children and/or adolescents (under 18 years of age) that engage in fire setting.

Material first ignited - The actual material that ignites and creates the fire condition.

Property classification - The principal use or occupancy of the building.

Residential property- Property in which sleeping accommodation is provided for normal residential purposes. Includes one and two family dwellings, apartments, rooming or boarding houses, hotels, motels, dormitories and mobile homes.

Smoker's Material and 'Open' Flames - Includes cigarettes, pipes, cigars and/or matches, lighters when used in conjunction with smoking. This includes matches and lighters not associated with smoker's material, candles, cutting torches, welding equipment and hot ashes.



Acknowledgements

Photo Acknowledgements

The Office of the Fire Commissioner would like to thank the photographers who submitted amazing pictures. They may not be copied or used elsewhere without permission from the original copyright holder.



If you have any questions or concerns regarding this report, or require more detailed statistical information, we encourage you to contact us.

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The Office of the Fire Commissioner uses a real-time database environment. Therefore, statistics are subject to change as fire reports are completed.

Report prepared by Shelley Ballantyne and Tammy-Lou Nieman of the Office of the Fire Commissioner.
Published September 2013.

Annual Statistical Fire Report 2009



Emergency Management BC
Office of the Fire Commissioner

*This report contains British Columbia fires as reported to the
Office of the Fire Commissioner for 2009*

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British Columbia Fire Injuries and Fatalities

BC Dollar Losses, Fire Injuries and Fire Fatalities 5 Year Summary

Year	Population for BC	Total Number of Fires	Civilian Injuries	Firefighter Injuries	Civilian Fatalities	Firefighter Fatalities	BC Fire Injury/Fatality Rate*
2005	4,196,788	7250	175	20	34	1	4.6/0.8
2006	4,243,580	8073	180	21	23	0	4.7/0.5
2007	4,309,632	7846	150	22	43	0	4.0/1.0
2008	4,384,047	8092	168	41	57	0	4.7/1.3
2009	4,459,947	8718	165	35	53	0	4.4/1.2
Totals		39,979	977	139	210	1	
5 Year Average	4,318,799	7996	195	28	42	0.2	4.5/1.0

* BC Fire Injury/Fatality Rate per 100,000 populations.

1. Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include: lightning, forest fires, motor vehicle accidents, and explosions - steam/ammunition.
2. Population Source: BC Stats.
3. Totals as reported to the Office of the Fire Commissioner.

Fire Fatalities by Property Classification

Property Classification	Fatalities	%
Residential - One and Two Family Dwellings	35	66
Residential - Mobile Homes	6	11
Outside Area	10	19
Senior Housing	1	2
Campground	1	2
Totals	53	100



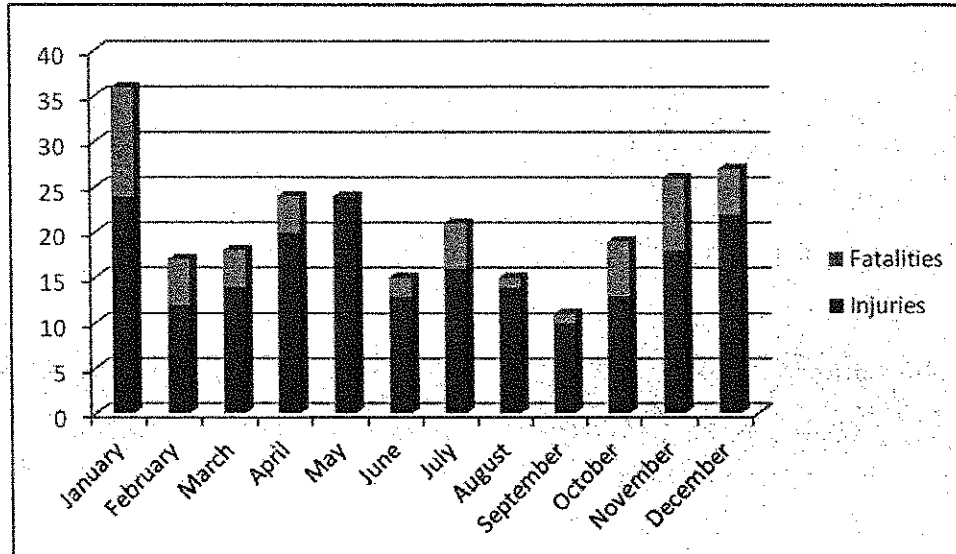
FIRE FACTS

Fire Injuries and Fatalities 2009

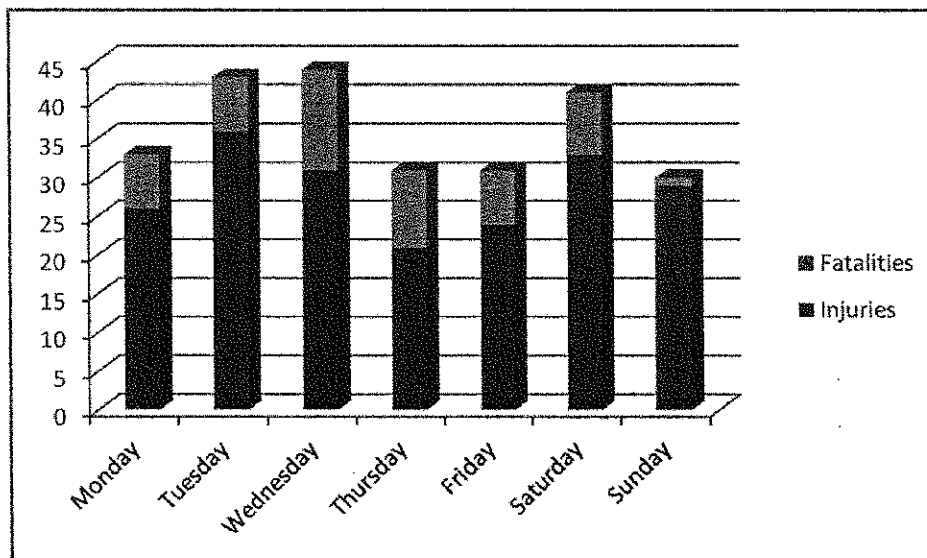
- Most injuries occurred in the spring months (April-May 22%) and winter months (Nov-Jan 32%).
- Most fatalities occurred in the January and November making up (38%).
- 11% of fire fatalities were caused by smoking materials (cigarette, lighter, matches) and 23% of fire injuries were caused by the stovetop/oven where the igniting object were determined as cause of the fire.

Residential Fires and Smoke Alarm Operation

Fire Fatalities and Injuries by Month



Fire Fatalities and Injuries by Day of Week

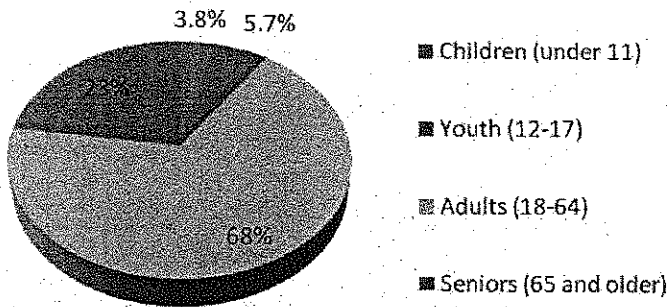


Fire Fatalities and Injuries by Time of Day

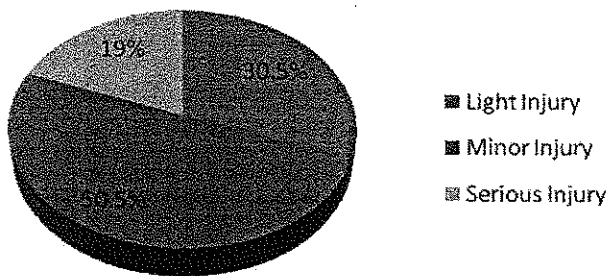
Time of Day Range	Fire Injuries		Fire Fatalities	
	Number	%	Number	%
6:01 am - 11:59 am	26	13	11	21
12 noon - 4:59 pm	62	31	8	15
5 pm - 9:59 pm	43	21.5	15	28
10 pm - 6 am	69	34.5	19	36
Total	200	100	53	100

Residential Fires and Smoke Alarm Operation

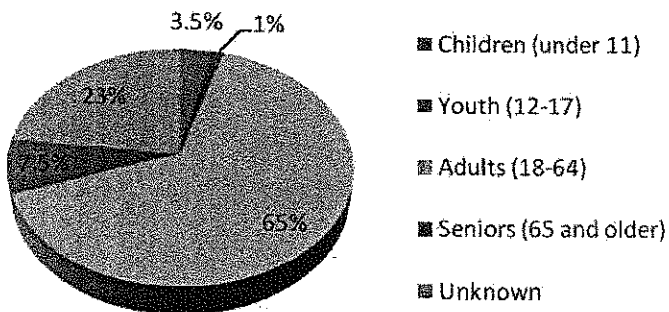
Fire Fatalities by Age Group



Type of Fire Injuries



Fire Injuries by Age Group



Location of Fire Fatalities

Abbotsford	1
Agassiz	1
Armstrong	1
Balfour	1
Burnaby	2
Cache Creek	1
Chilliwack	1
Cranbrook	1
Eagle Bay	3
Edgewater	1
Hornby Island	1
Ladysmith	5
Lake Cowichan	1
Lone Butte	1
Lund	1
Mayne Island	1
McBride	1
Merritt	1
Mission	1
Mount Currie	1
Nanaimo	1
Nelson	1
New Westminster	2
North Vancouver	2
Penticton	1
Port Coquitlam	1
Port Hardy	1
Quesnel	1
Saltspring Island	2
Savona	1
Sooke	1
Squamish	2
Surrey	2
Terrace	2
Vancouver	4
Victoria	2
Totals	53

* Above statistics include 35 firefighter injuries and 0 firefighter fatalities.
 * See glossary for definitions of types of injuries.

Residential Fires and Smoke Alarm Operation



Top Areas of Origin for Fires Started in Residential Homes:

1. Kitchen - 26%
2. Ceiling/Wall/Floor - 11%
3. Bedroom - 9%
4. Living room - 8%

Smoke Alarm Operation

Smoke Alarm Breakdown by Description in Building Structures	Number of Fires	Total Dollar Loss	Injuries	Fatalities
Cannot be determined	721	\$70,960,860	49	18
Alarm Activated - Assisted Occupant(s) in evacuating	450	\$35,850,034	37	4
Alarm Activated - Inaudible	13	\$201,500	0	0
Alarm Activated - Occupant(s) unable to respond	28	\$684,579	3	3
Alarm Activated - Unnecessary to evacuate or unoccupied	163	\$9,101,113	2	0
Alarm Activated - Occupant action unknown	110	\$4,356,215	11	2
Alarm Not Activated - Unsuitable location	97	\$3,441,251	2	0
Alarm Not Activated - No battery or battery dead	54	\$12,803,770	1	2
Alarm Not Activated - AC power not connected, disabled or off	44	\$2,468,026	10	0
Alarm Not Activated - Mechanical Failure	10	\$460,217	0	0
Alarm Not Activated - Unknown	305	\$13,972,113	19	2
No smoke alarm installed	398	\$17,764,548	26	5
Sub-total - Smoke Alarm did not activate, or was not installed	908	\$50,910,125	58	9
Totals	2393	\$172,065,226	160	36

Fire Facts

Residential Fires

- In 2009, residential fires accounted for nearly 80% of fire-related injuries in BC.
- On average, a British Columbian is injured by residential fire every 55 hours in BC.
- In 2009, there were 2,393 residential fires reported in B.C., resulting in 36 fatalities.
- Adults have the highest risk (75%) of dying in the home fires.
- Cooking is the leading cause of the determined home fires and fire related injuries.

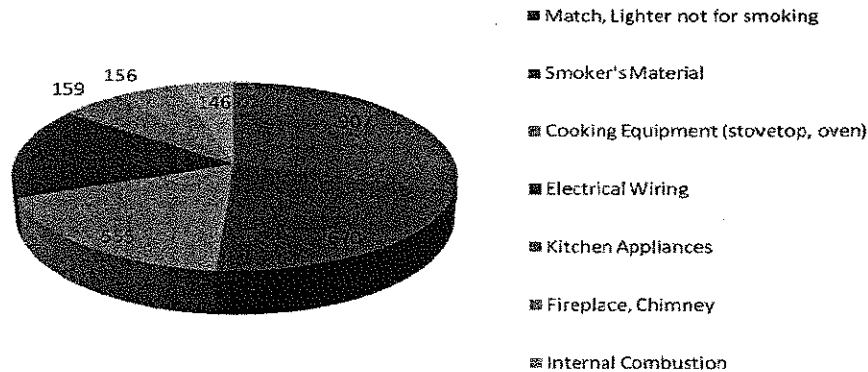
Fire Dollar Losses in BC and Top Causes of Fires

Five Year Fire Dollar Losses in BC

Year	Total Number of Fires	All Fires in BC Dollar Loss
2005	7250	\$213,474,122
2006	8073	\$236,880,593
2007	7846	\$307,307,614
2008	8092	\$385,910,724
2009	8718	\$291,895,609
Totals	39,979	\$1,435,468,662
5 Year Average	7995	\$287,093,732

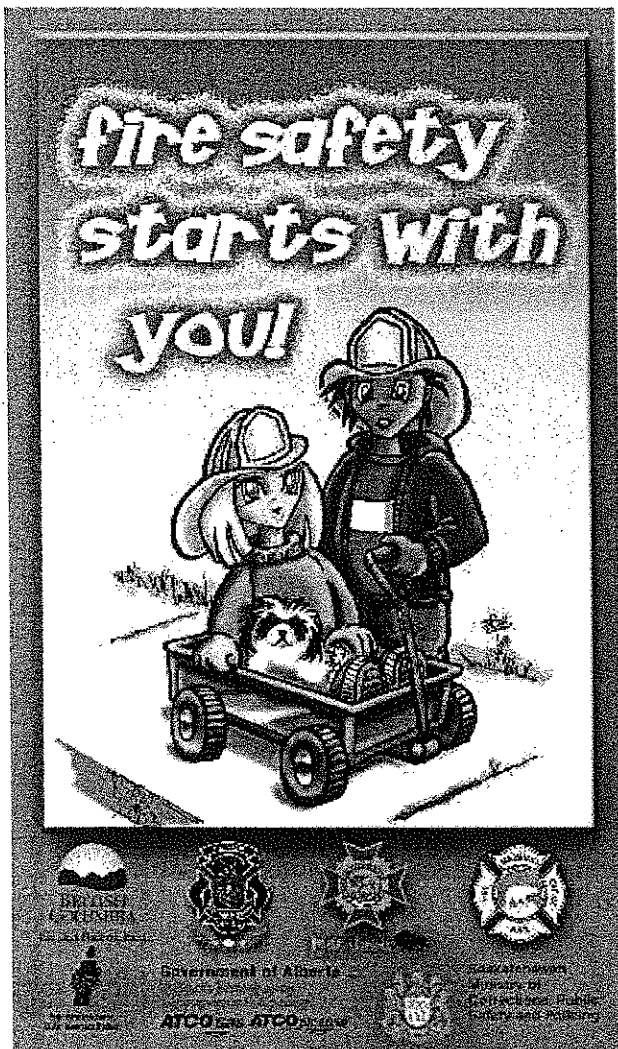


Top Causes of Fires



Breakdown of Fires by Act or Omission

Act of Omission	Percentage	Injured	Fatality	Dollar Loss
Accidental	47%	134	25	\$126,711,644
Undetermined	31%	44	25	\$112,789,184
Incendiary	20%	14	3	\$47,957,338
Natural	2%	8	0	\$4,437,443
Totals	100%	200	53	\$291,895,609



Fire Prevention Week Facts

Through a federal proclamation signed in 2009, the second week of October will be known as “Fire Prevention Week” across Canada. The focus of the 2009 campaign was “Be Fire Safe: Don’t Get Burned” and included lesson plans focused on:

- identifying fire and burn hazards;
- knowing what to do in case of a fire and who to call;
- recognizing the sound of a smoke alarm and knowing what to do;
- planning an escape and practicing a home escape plan;
- demonstrating what to do if clothing is on fire; and,
- treating a minor burn.

BC Fire departments are the catalysts that get the Fire Prevention Week message out to BC schools, targeting kindergarten through grade 3 children and their families. Without fire department engagement, creative initiatives, communications and steadfast support to their communities, the fire safety message would not be as successful as it is.

Juvenile Firesetter Statistics

Gender Breakdown for Juvenile Firesetters :

- Male - 70
- Female - 14

Ignition Source used to start fires:

- Lighter - 64
- Matches - 16
- Other - 4

Fires Per Capita by Location *

Location Name	2009 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
100 Mile House	1,943	22	0	0	1,071,949	551.7	11.3
Abbotsford	136,031	454	7	1	10,153,180	74.6	3.3
Alert Bay	476	0	0	0	0	0	0
Anmore	2,030	0	0	0	0	0	0
Armstrong	4,539	2	0	1	1,100	0.2	0.4
Ashcroft	1,742	1	0	0	0	0	0.6
Barriere	1,723	1	0	0	3,535	2.1	0.6
Belcarra	679	0	0	0	0	0	0
Bowen Island	3,613	1	0	0	142,500	39.4	0.3
Burnaby	223,076	164	16	2	7,286,378	32.7	0.7
Burns Lake	2,117	5	0	0	592,500	279.9	2.4
Cache Creek	1,085	1	1	1	25,000	23	0.9
Campbell River	31,367	34	0	0	1,016,990	32.4	1.1
Canal Flats	747	0	0	0	0	0	0
Castlegar	7,881	6	0	0	211,440	26.8	0.8
Central Saanich	16,190	18	1	0	323,750	20	1.1
Chase	2,481	4	0	0	534,630	215.5	1.6
Chetwynd	2,680	3	0	0	261,545	97.6	1.1
Chilliwack	76,200	205	15	1	5,349,592	70.2	2.7
Clearwater	2,364	1	0	0	130,000	55	0.4
Clinton	598	5	0	0	71,900	120.2	8.4
Coldstream	10,402	17	0	0	690,650	66.4	1.6
Colwood	16,194	29	2	0	471,450	29.1	1.8
Comox	13,460	1	0	0	2,373	0.2	0.1
Coquitlam	123,362	156	0	0	21,063,615	170.7	1.3
Courtenay	24,246	28	2	0	1,026,878	42.4	1.2
Cranbrook	19,185	33	0	1	892,016	46.5	1.7
Creston	5,252	25	0	0	75,000	14.3	4.8
Cumberland	3,167	1	0	0	3,000,000	947.3	0.3
Dawson Creek	11,528	49	0	0	955,257	82.9	4.3
Delta	99,984	22	1	0	1,573,888	15.7	0.2
Duncan	5,014	3	0	0	15,528	3.1	0.6
Elkford	2,606	19	0	0	0	0	7.3
Enderby	2,910	1	0	0	0	0	0.3
Esquimalt	17,704	13	0	0	933,800	52.7	0.7
Fernie	4,420	9	1	0	14,370	3.3	2
Fort St. James	1,362	0	0	0	0	0	0
Fort St. John	18,394	30	2	0	11,074,666	602.1	1.6

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2009 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Fraser Lake	1,135	1	0	0	2,000	1.8	0.9
Fruitvale	2,034	6	1	0	14,783	7.3	2.9
Gibsons	4,453	3	0	0	3,340	0.8	0.7
Gold River	1,426	8	0	0	360,615	252.9	5.6
Golden	3,964	20	0	0	1,324,504	334.1	5
Grand Forks	4,155	16	0	0	30,411	7.3	3.9
Granisle	377	0	0	0	0	0	0
Greenwood	633	0	0	0	0	0	0
Harrison Hot Springs	1,596	1	0	0	0	0	0.6
Hazelton	296	0	0	0	0	0	0
Highlands	2,036	0	0	0	0	0	0
Hope	6,277	55	1	0	699,068	111.4	8.8
Houston	2,962	2	0	0	320,000	108	0.7
Hudson's Hope	1,052	1	0	0	14,490	13.8	1
Invermere	3,184	0	0	0	0	0	0
Kamloops	87,124	155	3	0	4,648,108	53.4	1.8
Kaslo	1,167	0	0	0	0	0	0
Kelowna	120,961	228	2	0	4,985,259	41.2	1.9
Kent	5,522	11	0	0	2,108,833	381.9	2
Keremeos	1,514	12	0	0	367,496	242.7	7.9
Kimberley	6,713	15	0	0	1,009,085	150.3	2.2
Kitimat	9,238	34	8	0	2,524,386	273.3	3.7
Ladysmith	8,128	31	0	0	849,282	104.5	3.8
Lake Country	11,423	19	0	0	906,464	79.4	1.7
Lake Cowichan	3,186	3	0	1	651,668	204.5	0.9
Langford	27,362	53	0	0	1,631,839	59.6	1.9
Langley District Municipality	103,394	337	4	0	5,124,311	49.6	3.3
Langley, City of	25,557	36	1	0	1,232,026	48.2	1.4
Lantzville	3,721	0	0	0	0	0	0
Lillooet	2,370	18	0	0	500,000	211	7.6
Lions Bay	1,403	0	0	0	0	0	0
Logan Lake	2,193	2	0	0	33,732	15.4	0.9
Lumby	1,806	8	1	0	474,060	262.5	4.4
Lytton	231	0	0	0	0	0	0
Mackenzie	3,831	5	0	0	119,196	31.1	1.3
Maple Ridge	75,143	35	1	0	1,952,826	26	0.5
Masset	930	1	0	0	0	0	1.1

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2009 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
McBride	675	1	0	1	1,000	1.5	1.5
Merritt	7,460	10	0	1	55,142	7.4	1.3
Metchosin	5,139	1	0	0	470,000	91.5	0.2
Midway	658	1	0	0	7,174	10.9	1.5
Mission	37,213	32	0	1	4,070,874	109.4	0.9
Montrose	1,023	0	0	0	0	0	0
Nakusp	1,532	12	0	0	1,306,200	852.6	7.8
Nanaimo	84,331	533	7	1	5,565,239	66	6.3
Nelson	9,951	21	0	0	1,328,234	133.5	2.1
New Denver	503	0	0	0	0	0	0
New Hazelton	610	0	0	0	0	0	0
New Westminster	65,096	127	6	2	1,305,425	20.1	2
North Cowichan	29,530	17	0	0	1,695,982	57.4	0.6
North Saanich	11,034	1	0	0	2,354	0.2	0.1
North Vancouver District Municipality	86,832	53	0	1	3,538,243	40.7	0.6
North Vancouver, City of	48,941	102	12	1	9,663,814	197.5	2.1
Northern Rockies Regional Municipality (Fort Nelson)	4,457	20	0	0	557,782	125.15	4.48
Oak Bay	18,035	66	0	0	102,735	5.7	3.7
Oliver	4,788	11	0	0	37,983	7.9	2.3
Osoyoos	5,196	9	0	0	542,624	104.4	1.7
Parksville	11,798	4	0	0	464,977	39.4	0.3
Peachland	5,250	19	0	0	556,356	106	3.6
Pemberton	33,291	49	0	1	2,897,868	87	1.5
Penticton	18,035	66	0	0	102,735	5.7	3.7
Pitt Meadows	17,937	13	1	0	1,341,043	74.8	0.7
Port Alberni	17,763	22	0	0	741,191	41.7	1.2
Port Alice	843	2	0	0	0	0	2.4
Port Clements	450	0	0	0	0	0	0
Port Coquitlam	56,516	151	2	1	3,063,055	54.2	2.7
Port Edward	577	0	0	0	0	0	0
Port Hardy	3,991	3	0	1	7,050	1.8	0.8
Port McNeill	2,622	2	0	0	246,763	94.1	0.8
Port Moody	33,039	83	1	0	243,115	7.4	2.5
Pouce Coupe	747	2	0	0	427,352	572.1	2.7
Powell River	13,355	26	0	0	1,494,850	111.9	1.9

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2009 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Prince George	74,639	454	0	0	3,358,422	45	6.1
Prince Rupert	12,862	52	1	0	384,050	29.9	4
Princeton	2,761	10	0	0	1,127,400	408.3	3.6
Qualicum Beach	8,776	4	0	0	366,497	41.8	0.5
Quesnel	9,722	37	0	1	1,273,322	131	3.8
Radium Hot Springs	1,006	4	0	0	38,500	38.3	4
Revelstoke	7,276	27	2	0	252,965	34.8	3.7
Richmond	193,491	514	13	0	10,456,874	54	2.7
Rossland	3,536	2	0	0	27,200	7.7	0.6
Saanich	113,656	181	5	1	1,550,736	13.6	1.6
Salmo	1,061	1	0	0	892	0.8	0.9
Salmon Arm	17,242	23	1	0	4,060,235	235.5	1.3
Sayward	326	0	0	0	0	0	0
Sechelt - including Indian Government	9,176	7	0	0	294,893	32.1	0.8
Sicamous	2,953	3	0	0	20,468	6.9	1
Sidney	11,592	13	0	0	634,500	54.7	1.1
Silverton	192	0	0	0	0	0	0
Slocan	345	0	0	0	0	0	0
Smithers	5,328	3	0	0	1,576,198	295.8	0.6
Sooke	10,553	43	3	0	928,950	88	4.1
Spallumcheen	5,135	1	0	0	512,900	99.9	0.2
Sparwood	3,809	2	0	0	42,500	11.2	0.5
Squamish	17,202	10	1	2	2,575,670	149.7	0.6
Stewart	481	0	0	0	0	0	0
Summerland	11,257	33	0	0	2,108,363	187.3	2.9
Sun Peaks Mountain	n/a	0	0	0	0	0	0
Surrey	447,106	593	24	3	35,050,717	78.4	1.3
Tahsis	354	0	0	0	0	0	0
Taylor	1,483	10	0	0	702,951	474	6.7
Telkwa	1,332	0	0	0	0	0	0
Terrace	11,689	69	2	2	1,156,603	98.9	5.9
Tofino	1,831	4	0	0	38,590	21.1	2.2
Trail	7,362	13	0	0	237,800	32.3	1.8
Tumbler Ridge	2,421	3	0	0	402,092	166.1	1.2
Ucluelet	1,593	3	0	0	193,955	121.8	1.9
Valemount	1,007	0	0	0	0	0	0
Vancouver	628,600	1,614	25	4	23,009,296	36.6	2.6
Vanderhoof	4,148	3	0	0	27,098	6.5	0.7

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2009 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Vernon	39,016	49	0	1	1,348,737	34.6	1.3
Victoria	82,886	75	7	1	2,474,772	29.9	0.9
View Royal	9,595	5	0	0	20,000	2.1	0.5
Village of Queen Charlotte	951	0	0	0	0	0	0
Warfield	1,813	2	0	0	7,100	3.9	1.1
Wells	244	0	0	0	0	0	0
West Kelowna	n/a	0	0	0	0	0	0
West Vancouver	43,361	32	1	0	4,139,695	95.5	0.7
Whistler	10,241	13	0	0	560,627	54.7	1.3
White Rock	18,998	0	0	0	0	0	0
Williams Lake	11,103	73	0	0	3,409,997	307.1	6.6
Zeballos	182	0	0	0	0	0	0
Unincorporated Areas	531,787	795	16	19	44,833,622	84.31	1.5
BC Total Population	4,459,947	8718	200	53	\$291,895,609	65.45	2.0

*As reported to the Office of the Fire Commissioner
Population Source: BC Vital Stats

Fire Facts

- OFC coordinated 66 deployments of structure protection personnel/equipment in 2009.
- There were 68 fires related to school property with a total dollar loss of \$3,079,182.
- There were 112 industrial fires totaling \$13,078,042 in dollar losses, with no injuries and fatalities. 65% of these fires were related to wood, furniture, paper and printing manufacturing.
- In 2009 there were 29 fires with a total dollar loss of \$43,022 caused by fireworks.
- There were 23 structure fires related to illegal activities from grow ops and methamphetamine labs which caused over \$3 million dollars in losses.

Act or omission (AO) - The human element by which someone has done something (an act) or failed to do something (an omission). The act or omission indicates whether the fire was deliberate, neglectful or accidental.

Area of origin - The area of a building or vehicle where the fire started.

Fire - Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include:

- Lightning, forest fire, motor vehicle accidents, explosion - steam/ammunition.

Fire Fatality - A person killed as a direct result of a fire or a person who dies from a fire injury within one year following the date on which the injury was sustained.

Fire Injury - A person injured as a direct result of a fire.

Light Injury - An injury that required admission to a hospital for between 24 hours to 48 hours and/or absence from work for a period of two to fifteen days.

Minor Injury - An injury that does not require hospitalization of more than a 24-hour period or absence from work of not more than one full day.

Serious Injury - An injury that required admission to a hospital for a period of more than 48 hours and/or an absence from work for a period exceeding fifteen days.

Incendiary or Set Fires - Includes arson, suspected arson, riot, mischief or vandalism.

Juvenile Firesetter - Children and/or adolescents (under 18 years of age) that engage in fire setting.

Material first ignited - The actual material that ignites and creates the fire condition.

Property classification - The principal use or occupancy of the building.

Residential Property - Property in which sleeping accommodation is provided for normal residential purposes. Includes one and two family dwellings, apartments, rooming or boarding houses, hotels, motels, dormitories and mobile homes.

Smoker's Material and 'Open' Flames - Includes cigarettes, pipes, cigars and/or matches, lighters when used in conjunction with smoking. This includes matches and lighters not associated with smoker's material, candles, cutting torches, welding equipment and hot ashes.



Acknowledgements

Photo Acknowledgements

The Office of the Fire Commissioner would like to thank the photographers who submitted amazing pictures. They may not be copied or used elsewhere without permission from the original copyright holder.



If you have any questions or concerns regarding this report, or require more detailed statistical information, we encourage you to contact us.

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The Office of the Fire Commissioner uses a real-time database environment. Therefore, statistics are subject to change as fire reports are completed.

Report prepared by Shelley Ballantyne and Tammy-Lou Nieman of the Office of the Fire Commissioner.
Published September 2013.

Annual Statistical Fire Report 2010



**Emergency Management BC
Office of the Fire Commissioner**

This report contains British Columbia fires as reported to the Office of the Fire Commissioner for 2010



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British Columbia Fire Injuries and Fatalities

BC Dollar Losses, Fire Injuries and Fire Fatalities 5 Year Summary

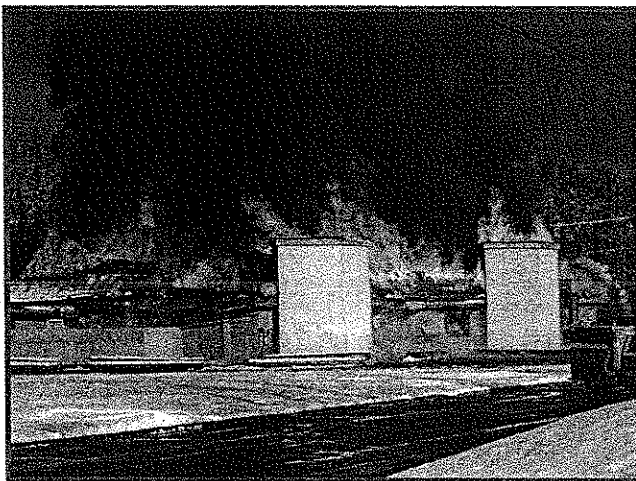
Year	Population for BC	Total Number of Fires	Civilian Injuries	Firefighter Injuries	Civilian Fatalities	Firefighter Fatalities	BC Fire Injury/Fatality Rate*
2006	4,243,580	8073	180	21	23	0	4.7/0.5
2007	4,309,632	7846	150	22	43	0	4.0/1.0
2008	4,384,047	8092	168	41	57	0	4.7/1.3
2009	4,459,947	8718	165	35	53	0	4.4/1.2
2010	4,529,674	7306	163	16	44	0	3.9/0.9
Totals	21,926,880	40,035	826	135	220	0	21.7/4.9
5 Year Average	4,385,376	8007	165	27	44	0	4.3/0.9

* BC Fire Injury/Fatality Rate per 100,000 populations.

1. Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include: lightning, forest fires, motor vehicle accidents, and explosions - steam/ammunition.
2. Population Source: BC Stats.
3. As reported to the Office of the Fire Commissioner.

Fire Fatalities by Property Classification

Property Classification	Fatalities	%
Residential - One and Two Family Dwellings	34	77
Residential - Mobile Homes	2	5
Outside Area	1	2
Senior Housing/Community Care	3	6
Vehicle	4	10
Totals	44	100

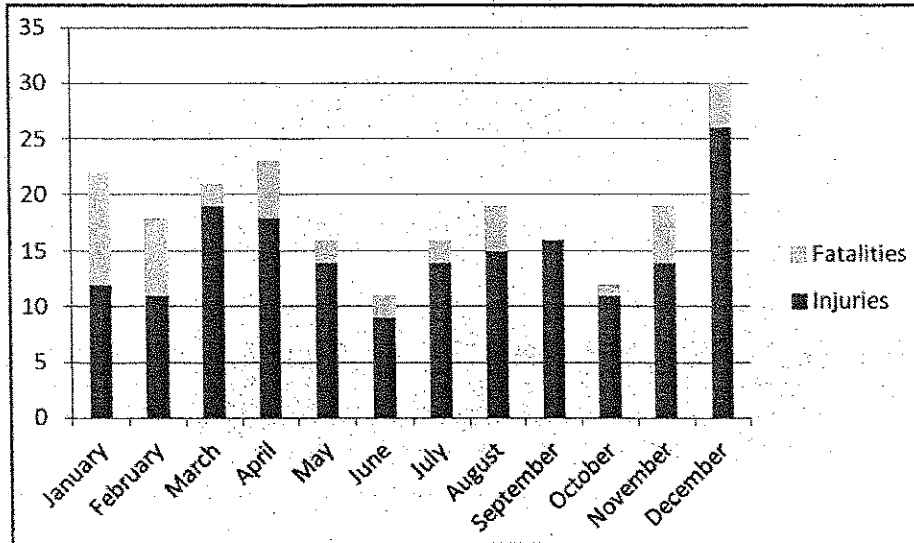


FIRE FACTS

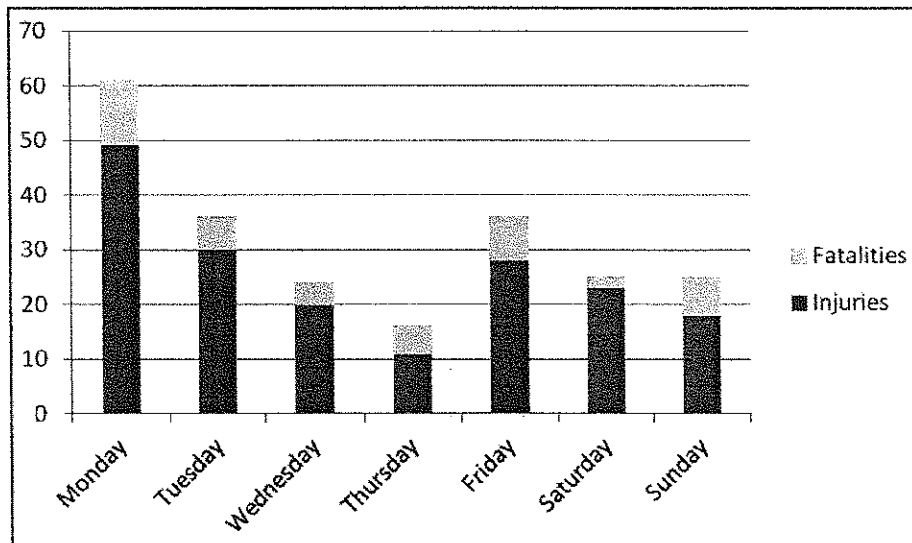
Fire Injuries and Fatalities 2010

- Most injuries occurred (Dec-April 48%).
- Most fatalities occurred during the winter months (Nov-Feb 59%).
- 14% of fire fatalities were caused by smoking materials (cigarette, lighter, matches) and 4 deaths were due to overloaded extension cords.
- 17% of fire injuries were caused by the stovetop/oven where the igniting objects were determined as cause of the fires.

Fire Fatalities and Injuries by Month



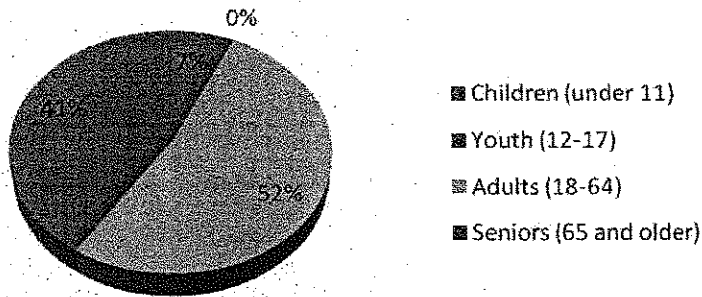
Fire Fatalities and Injuries by Day of Week



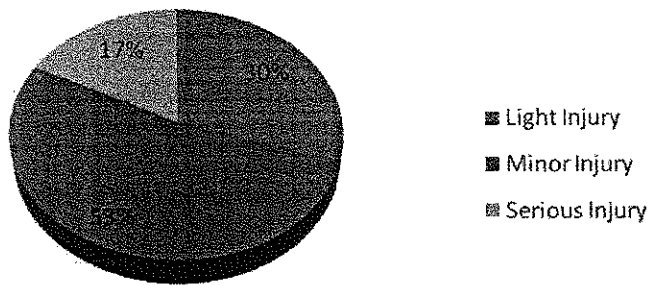
Fire Fatalities and Injuries by Time of Day

Time of Day Range	Fire Injuries		Fire Fatalities	
	Number	%	Number	%
6:01 am - 11:59 am	35	19.6	10	23
12 noon - 4:59 pm	45	25.1	5	11
5 pm - 9:59 pm	40	22.3	8	18
10 pm - 6 am	59	33.0	21	48
Total	179	100	44	100

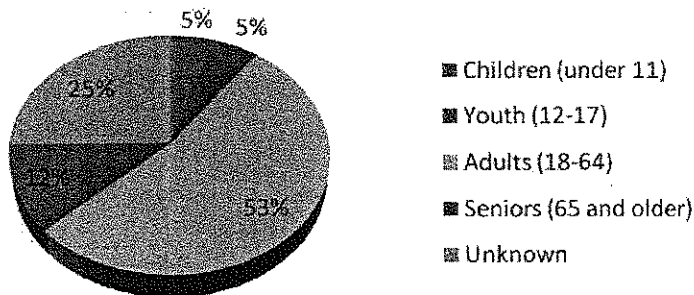
Fire Fatalities % by Age Group



Type of Fire Injuries



Fire Injuries % by Age Group



Location of Fire Fatalities

Burnaby	3
Big Lake	1
Campbell River	1
Chilliwack	2
Cranbrook	1
Coquitlam	1
Duncan	1
Delta	1
Falkland	1
Firvale	2
Gabriola Island	1
Kelowna	2
Kitwanga	1
Lone Butte	1
Mission	1
Pine View	1
Port Hardy	3
Prince George	2
Richmond	2
Surrey	5
Vancouver	6
Victoria	2
Vernon	1
West Vancouver	2
Totals	44

* Above statistics include 16 firefighter injuries and 0 firefighter fatalities.

* See glossary for definitions of types of injuries.

Residential Fires and Smoke Alarm Operation



Top Areas of Origin for Fires Started in Residential Homes:

1. Kitchen - 30%
2. Living room - 8%
3. Bedroom - 8%
4. Patio - 4%

Smoke Alarm Operation

Smoke Alarm Breakdown by Description in Building Structures	Number of Fires	Total Dollar Loss	Injuries	Fatalities
Cannot be determined	622	\$44,581,073	31	16
Alarm Activated - Assisted Occupant(s) in evacuating	365	\$24,040,774	39	3
Alarm Activated - Inaudible	14	\$1,102,002	0	0
Alarm Activated - Occupant(s) unable to respond	26	\$1,304,224	3	0
Alarm Activated - Unnecessary to evacuate or unoccupied	152	\$6,252,842	3	1
Alarm Activated - Occupant action unknown	90	\$3,945,267	5	0
Alarm Not Activated - Unsuitable location	99	\$984,403	7	0
Alarm Not Activated - No battery or battery dead	58	\$3,484,936	9	1
Alarm Not Activated - AC power not connected, disabled or off	41	\$1,344,412	4	0
Alarm Not Activated - Mechanical Failure	8	\$1,938,404	0	0
Alarm Not Activated - Unknown	313	\$24,484,329	26	10
No smoke alarm installed	351	\$21,090,942	15	2
Sub-total - Smoke Alarm did not activate, or was not installed	870	\$53,327,426	61	13
Totals	2139	\$134,553,608	142	33

Fire Facts

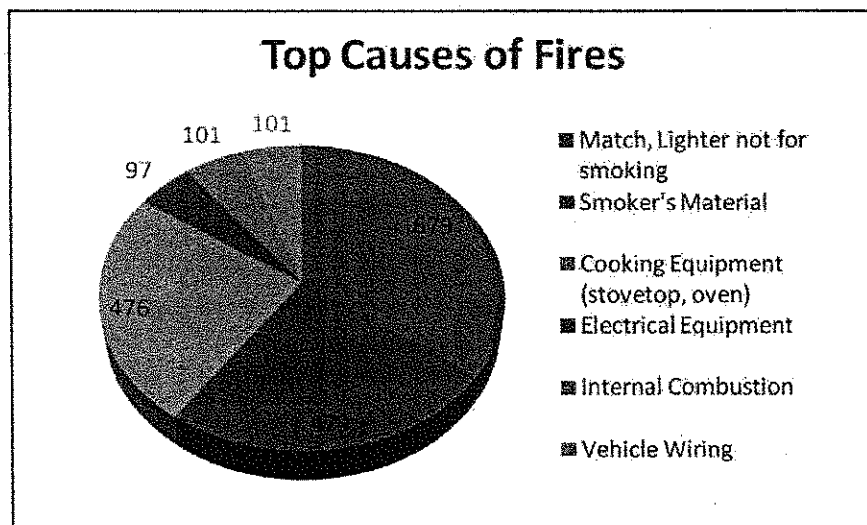
Residential Fires

- In 2010, residential fires accounted for nearly 80% of fire-related injuries in BC.
- On average, a British Columbian is injured by residential fire every 61 hours in BC.
- In 2010, there were 2,139 residential fires reported in B.C., resulting in 44 fatalities.
- Adults have the highest risk (50%) of dying in the home fires.
- Cooking is the leading cause of the determined home fires and fire related injuries.

Fire Dollar Losses in BC and Top Causes of Fires

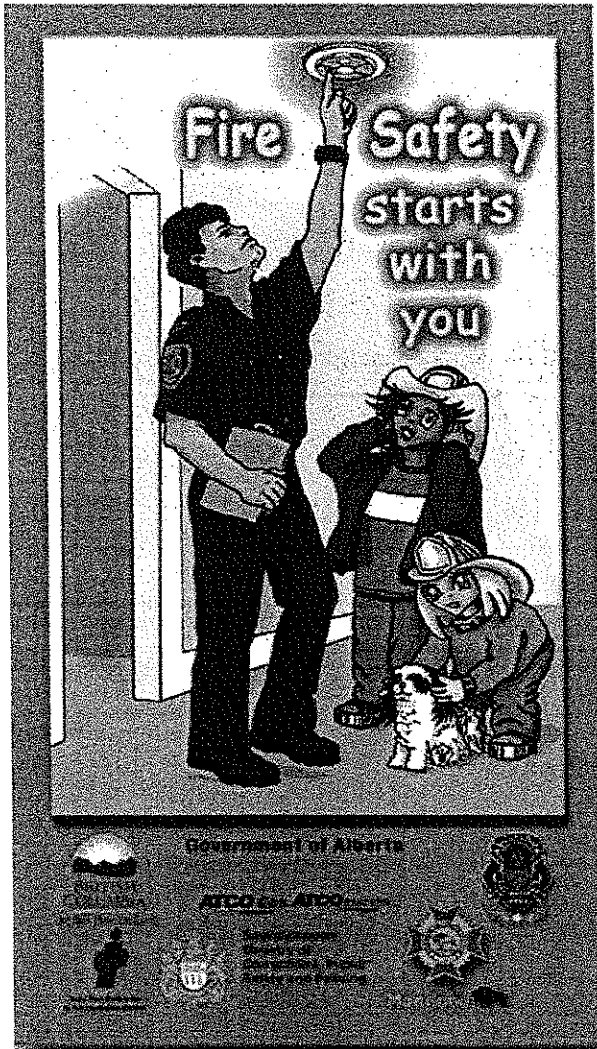
Five Year Fire Dollar Losses in BC

Year	Total Number of Fires	All Fires in BC Dollar Loss
2006	8073	\$236,880,593
2007	7846	\$307,307,614
2008	8092	\$385,910,724
2009	8718	\$291,895,609
2010	7306	\$227,930,819
Totals	40,035	\$1,449,925,359
5 Year Average	8007	\$289,985,071



Breakdown of Fires by Act or Omission with Injury or Fatality

Act of Omission	Percentage	Injured	Fatality	Dollar Loss
Accidental	65%	128	17	\$8,168,397
Undetermined	27%	38	22	\$4,602,319
Incendiary	8%	12	5	\$1,713,611
Natural	0%	1	0	\$5,000
Totals	100%	179	44	\$14,489,327



Fire Prevention Week Facts

Through a federal proclamation signed in 2010, the 3rd to the 9th of October was known as "Fire Prevention Week" across Canada.

The focus of the 2010 campaign was "Smoke Alarms – A Sound You Can Live With" and included lesson plans focused on:

- identifying fire and burn hazards in the kitchen, where most fire injuries happen;
- knowing what to do in case of a fire and who to call;
- recognizing the sound of a smoke alarm and knowing what to do;
- planning an escape and practicing a home escape plan;
- Stop, Drop and Roll technique.

BC Fire departments are the catalysts that get the Fire Prevention Week message out to BC schools, targeting kindergarten through grade 3 children and their families. Without fire department engagement, creative initiatives, communications and steadfast support to their communities, the fire safety message would not be as successful as it is.

Juvenile Firesetter Statistics

Gender of Juvenile	No. of Fires Set
Male	61
Female	12
Unknown	4
Total	77

Age Range of Juveniles	No. of Fires Involved
Ages 1-8	9
9-12	19
13-18	44
Unknown	5
Total	77

Ignition Source used to start fires	No. of Fires
Lighter	62
Matches	9
Other	6
Total	77

Fires Per Capita by Location *

Location Name	2010 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
100 Mile House	1,954	17	0	0	565,072	289.2	8.7
Abbotsford	138,139	388	4	0	12,823,010	92.8	2.8
Alert Bay	485	0	0	0	0	0	0
Anmore	2,202	0	0	0	0	0	0
Armstrong	4,513	1	0	0	2,055	0.5	0.2
Ashcroft	1,755	0	0	0	0	0	0
Barriere	1,712	3	0	0	346,168	202.2	1.8
Belcarra	690	0	0	0	0	0	0
Bowen Island	3,677	3	0	0	863,354	234.9	0.8
Burnaby	227,323	143	19	3	6,928,603	30.5	0.6
Burns Lake	2,142	1	0	0	80,000	37.3	0.5
Cache Creek	1,084	0	0	0	0	0	0
Campbell River	31,571	36	1	1	661,226	20.9	1.1
Canal Flats	826	0	0	0	0	0	0
Castlegar	7,877	8	0	0	403,072	51.2	1.0
Central Saanich	16,197	13	0	0	235,150	14.5	0.8
Chase	2,487	0	0	0	0	0	0
Chetwynd	2,713	3	0	0	102,299	37.7	1.1
Chilliwack	77,953	177	19	2	4,037,703	51.8	2.3
Clearwater	2,355	0	0	0	0	0	0
Clinton	603	1	0	0	20,000	33.2	1.7
Coldstream	10,286	10	0	0	160,590	15.6	1.0
Colwood	16,574	22	1	0	1,764,300	106.4	1.3
Comox	13,640	4	0	0	1,884,112	138.1	0.3
Coquitlam	126,558	142	5	1	3,056,853	24.2	1.1
Courtenay	24,582	24	0	0	144,588	5.9	1.0
Cranbrook	19,117	20	0	0	685,827	35.9	1.0
Creston	5,244	16	0	0	181,890	34.7	3.1
Cumberland	3,252	0	0	0	0	0	0
Dawson Creek	11,856	41	0	0	1,282,997	108.2	3.5
Delta	99,971	58	0	1	527,980	5.3	0.6
Duncan	4,985	4	0	0	28,038	5.6	0.8
Elkford	2,705	2	0	0	0	0	0.7
Enderby	2,923	1	0	0	1,215,390	415.8	0.3
Esquimalt	17,684	6	0	0	1,768	0.1	0.3
Fernie	4,409	9	3	0	833,050	188.9	2.0
Fort St. James	1,295	0	0	0	0	0	0
Fort St. John	19,867	8	0	0	134,045	6.7	0.4

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2010 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Fraser Lake	1,160	1	0	0	24,460	21.1	0.9
Fruitvale	2,012	2	0	0	35,000	17.4	1.0
Gibsons	4,414	7	0	0	1,474,159	334.0	1.6
Gold River	1,410	11	0	0	954,390	676.9	7.8
Golden	3,934	26	1	0	1,149,910	292.3	6.6
Grand Forks	3,997	2	0	0	25,224	6.3	0.5
Granisle	396	0	0	0	0	0	0
Greenwood	685	2	0	0	218,863	319.2	2.9
Harrison Hot Springs	1,597	1	0	0	3,531	2.2	0.6
Hazelton	302	0	0	0	0	0	0
Highlands	2,256	2	0	0	95,000	42.1	0.9
Hope	6,320	34	0	0	867,859	137.3	5.4
Houston	3,007	7	0	0	1,235,900	411.0	2.3
Hudson's Hope	1,056	1	0	0	190,000	179.9	0.9
Invermere	3,617	6	0	0	532,421	147.2	1.7
Kamloops	87,085	219	8	0	4,459,167	51.2	2.5
Kaslo	1,183	1	1	0	40,000	33.8	0.8
Kelowna	121,271	164	1	2	8,489,027	70.0	1.4
Kent	5,578	11	0	0	2,694,260	483.0	2.0
Keremeos	1,516	5	0	0	137,371	90.6	3.3
Kimberley	6,646	5	0	0	343,000	51.6	0.8
Kitimat	9,176	31	0	0	1,838,523	200.4	3.4
Ladysmith	8,240	37	0	0	518,835	63.0	4.5
Lake Country	11,509	14	2	0	503,500	43.7	1.2
Lake Cowichan	3,183	3	0	0	325,000	102.1	0.9
Langford	29,150	68	0	1	1,111,102	38.1	2.3
Langley District Municipality	104,666	325	2	0	7,117,514	68.0	3.1
Langley, City of	25,850	30	0	0	113,565	4.4	1.2
Lantzville	3,688	0	0	0	0	0	0
Lillooet	2,367	2	0	0	9,400	4.0	0.8
Lions Bay	1,394	0	0	0	0	0	0
Logan Lake	2,207	0	0	0	0	0	0
Lumby	1,815	5	0	0	16,351	9.0	2.8
Lytton	226	0	0	0	0	0	0
Mackenzie	3,705	4	0	0	133,383	36.0	1.1
Maple Ridge	76,396	30	0	0	908,072	11.9	0.4
Masset	920	2	0	0	0	0	2.2

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2010 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
McBride	677	0	0	0	0	0	0
Merritt	7,283	4	0	0	147,834	20.3	0.5
Metchosin	5,061	0	0	0	0	0	0
Midway	663	1	0	0	0	0	1.5
Mission	37,563	80	0	0	3,423,422	91.1	2.1
Montrose	1,046	0	0	0	0	0	0
Nakusp	1,536	17	0	0	500	0.3	11.1
Nanaimo	85,487	408	8	0	4,504,586	52.7	4.8
Nelson	9,791	23	0	0	1,316,905	134.5	2.3
New Denver	510	0	0	0	0	0	0
New Hazelton	603	1	0	0	90,000	149.3	1.7
New Westminster	66,873	97	5	0	3,806,163	56.9	1.5
North Cowichan	29,828	13	1	1	226,667	7.6	0.4
North Saanich	11,108	2	0	0	7,056	0.6	0.2
North Vancouver District Municipality	88,345	55	2	0	1,690,070	19.1	0.6
North Vancouver, City of	50,711	100	2	0	4,121,560	81.3	2.0
Northern Rockies Regional Municipality (Fort Nelson)	5,742	32	1	0	312,477	54.4	5.5
Oak Bay	18,006	41	4	1	429,197	23.8	2.3
Oliver	4,549	9	0	0	627,883	138.0	2.0
Osoyoos	5,201	4	0	0	252,284	48.5	0.8
Parksville	11,828	2	0	0	47,679	4.0	0.2
Peachland	5,170	13	0	0	1,353,952	261.9	2.5
Pemberton	2,437	0	0	0	0	0	0
Penticton	33,068	77	0	0	535,397	16.2	2.3
Pitt Meadows	18,131	6	0	0	199,227	11.0	0.3
Port Alberni	17,747	13	0	0	424,729	23.9	0.7
Port Alice	842	1	0	0	370,235	439.7	1.2
Port Clements	456	0	0	0	0	0	0
Port Coquitlam	57,414	109	0	0	529,370	9.2	1.9
Port Edward	571	0	0	0	0	0	0
Port Hardy	3,949	15	0	3	486,374	123.2	3.8
Port McNeill	2,647	2	0	0	24,389	9.2	0.8
Port Moody	33,923	11	0	0	128,233	3.8	0.3
Pouce Coupe	792	1	0	0	7,000	8.8	1.3

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2010 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Powell River	13,570	14	4	0	572,279	42.2	1.0
Prince George	75,546	319	0	1	2,583,221	34.2	4.2
Prince Rupert	12,990	36	3	0	2,344,331	180.5	2.8
Princeton	2,994	0	0	0	0	0	0
Qualicum Beach	8,727	3	0	0	159,300	18.3	0.3
Quesnel	9,743	33	1	0	3,345,524	343.4	3.4
Radium Hot Springs	1,015	1	0	0	6,400	6.3	1.0
Revelstoke	7,269	15	0	0	79,754	11.0	2.1
Richmond	196,801	441	5	2	7,217,039	36.7	2.2
Rossland	3,553	2	0	0	10,000	2.8	0.6
Saanich	114,107	168	5	0	3,393,439	29.7	1.5
Salmo	1,070	1	0	0	25,000	23.4	0.9
Salmon Arm	17,123	12	0	0	683,743	39.9	0.7
Sayward	334	0	0	0	0	0	0
Sechelt - including Indian Government	9,494	4	0	0	1,029,446	108.4	0.4
Sicamous	2,962	0	0	0	0	0	0
Sidney	11,597	3	0	0	13,183	1.1	0.3
Silverton	205	0	0	0	0	0	0
Slocan	397	0	0	0	0	0	0
Smithers	5,407	4	0	0	526,402	97.4	0.7
Sooke	10,873	34	1	0	949,599	87.3	3.1
Spallumcheen	5,152	13	0	0	404,980	78.6	2.5
Sparwood	3,770	1	0	0	766	0.2	0.3
Squamish	17,892	6	0	0	492,209	27.5	0.3
Stewart	495	1	0	0	400,000	808.1	2.0
Summerland	11,004	48	0	0	851,389	77.4	4.4
Sun Peaks	396	0	0	0	0	0	0
Surrey	462,211	595	21	5	27,506,588	59.5	1.3
Tahsis	380	0	0	0	0	0	0
Taylor	1,497	11	0	0	91,000	60.8	7.3
Telkwa	1,402	0	0	0	0	0	0
Terrace	11,927	37	1	0	497,027	41.7	3.1
Tofino	1,894	1	0	0	5,100	2.7	0.5
Trail	7,240	11	1	0	324,105	44.8	1.5
Tumbler Ridge	2,408	0	0	0	0	0	0
Ucluelet	1,605	0	0	0	0	0	0
Valemount	1,062	1	0	0	1,037	1.0	0.9
Vancouver	642,657	1,083	25	7	12,993,489	20.2	1.7

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2010 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Vanderhoof	4,047	3	0	0	19,688	4.9	0.7
Vernon	38,883	90	0	1	1,002,240	25.8	2.3
Victoria	83,338	32	0	0	861,045	10.3	0.4
View Royal	9,740	6	2	0	36,200	3.7	0.6
Village of Queen Charlotte	959	0	0	0	0	0	0
Warfield	1,808	0	0	0	0	0	0
Wells	278	0	0	0	0	0	0
West Kelowna	27,235	1	0	0	21,440	0.8	0.0
West Vancouver	44,046	34	0	2	1,344,263	30.5	0.8
Whistler	10,528	8	0	0	3,423,540	325.2	0.8
White Rock	19,272	15	0	0	182,400	9.5	0.8
Williams Lake	10,998	45	0	0	261,282	23.8	4.1
Zeballos	166	1	0	0	20	0.1	6.0
Unincorporated Areas	521,799	817	20	10	54,857,453	105.13	1.5
BC Total Population	4,459,674	7306	179	44	\$227,930,819	65.45	2.0

*As reported to the Office of the Fire Commissioner
Population Source: BC Stats

Fire Facts

- OFC coordinated 20 deployments of structure protection personnel/equipment in 2010.
- There were 68 fires related to school property with a total dollar loss of \$2,447,662.
- There were 101 industrial fires totaling \$20,545,996 in dollar losses, with 2 injuries and no fatalities. 52% of these fires were related to wood, furniture, paper and printing manufacturing.
- In 2010 there were 43 fires with a total dollar loss of \$524,044 caused by fireworks.
- There were 24 structure fires related to illegal activities from grow ops and methamphetamine labs which caused over \$5 million dollars in losses.

Act or omission (AO) - The human element by which someone has done something (an act) or failed to do something (an omission). The act or omission indicates whether the fire was deliberate, neglectful or accidental.

Area of origin - The area of a building or vehicle where the fire started.

Fire - Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include:

- Lightning, forest fire, motor vehicle accidents, explosion - steam/ammunition.

Fire Fatality - A person killed as a direct result of a fire or a person who dies from a fire injury within one year following the date on which the injury was sustained.

Fire Injury - A person injured as a direct result of a fire.

Light Injury - An injury that required admission to a hospital for between 24 hours to 48 hours and/or absence from work for a period of two to fifteen days.

Minor Injury - An injury that does not require hospitalization of more than a 24-hour period or absence from work of not more than one full day.

Serious Injury - An injury that required admission to a hospital for a period of more than 48 hours and/or an absence from work for a period exceeding fifteen days.

Incendiary or Set Fires - Includes arson, suspected arson, riot, mischief or vandalism.

Juvenile Firesetter - Children and/or adolescents (under 18 years of age) that engage in fire setting.

Material first ignited - The actual material that ignites and creates the fire condition.

Property classification - The principal use or occupancy of the building.

Residential Property - Property in which sleeping accommodation is provided for normal residential purposes. Includes one and two family dwellings, apartments, rooming or boarding houses, hotels, motels, dormitories and mobile homes.

Smoker's Material and 'Open' Flames - Includes cigarettes, pipes, cigars and/or matches, lighters when used in conjunction with smoking. This includes matches and lighters not associated with smoker's material, candles, cutting torches, welding equipment and hot ashes.



Acknowledgements

Photo Acknowledgements

The Office of the Fire Commissioner would like to thank the photographers who submitted amazing pictures. They may not be copied or used elsewhere without permission from the original copyright holder.



If you have any questions or concerns regarding this report, or require more detailed statistical information, we encourage you to contact us.

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The Office of the Fire Commissioner uses a real-time database environment. Therefore, statistics are subject to change as fire reports are completed.

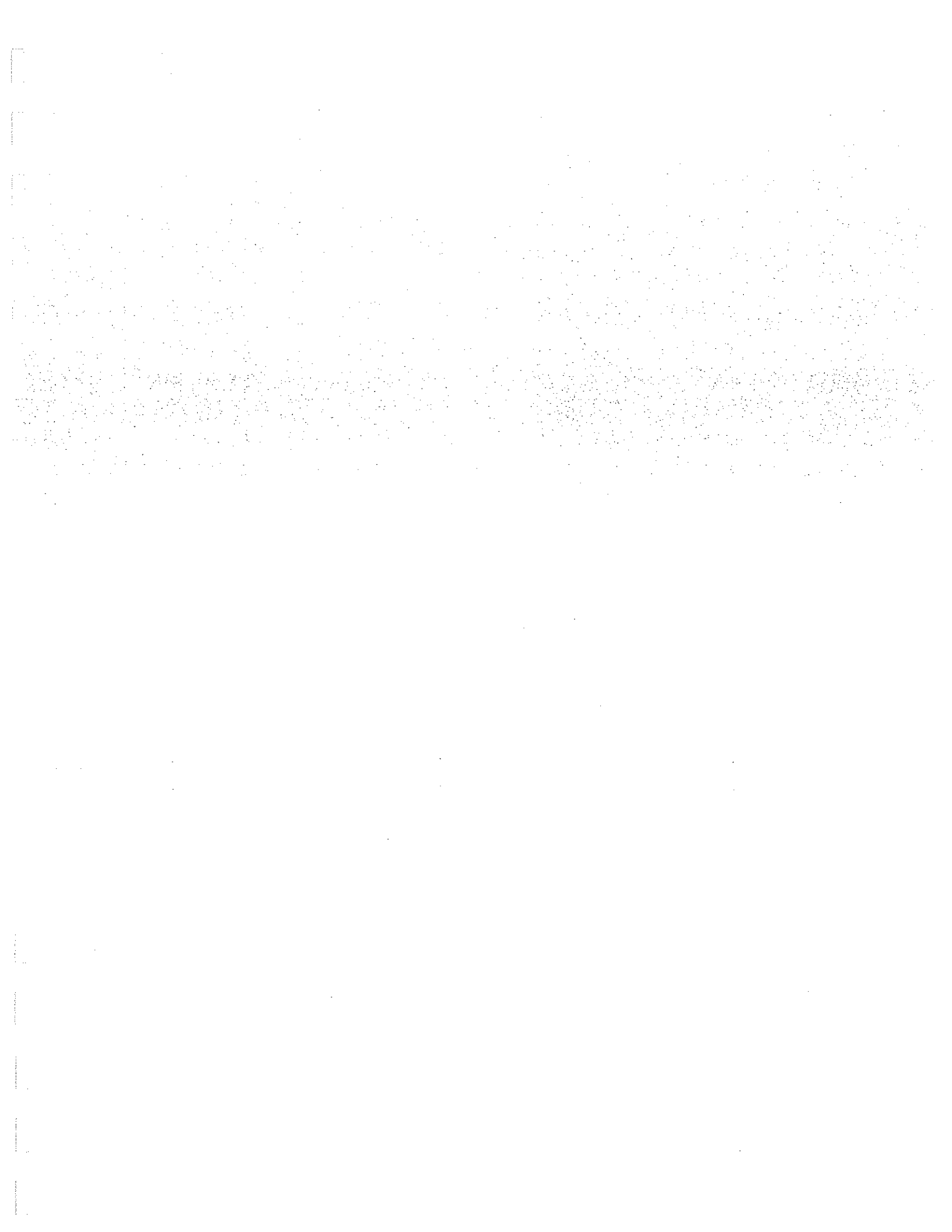
Report prepared by Shelley Ballantyne and Tammy-Lou Nieman of the Office of the Fire Commissioner.
Published September 2013.

Annual Statistical Fire Report 2011



**Emergency Management BC
Office of the Fire Commissioner**

This report contains British Columbia fires as reported to the Office of the Fire Commissioner in 2011



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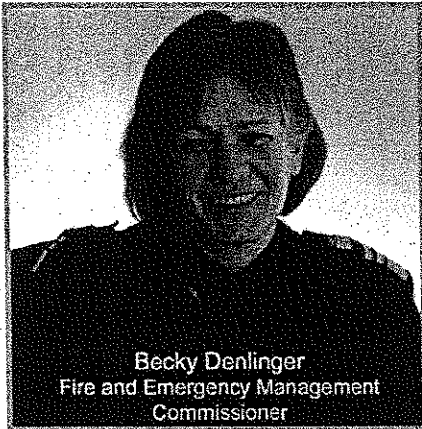
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Message from the Fire Commissioner



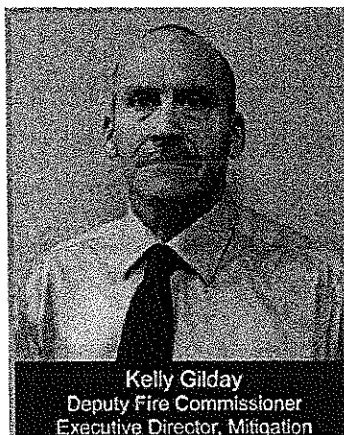
I am pleased to present the Office of the Fire Commissioner (OFC) 2011 Annual Report. This report provides a tool for the fire service to share information and trends related to fire incidents that occur in British Columbia. The OFC serves as the senior fire authority in the province with respect to fire safety and prevention and operates under provincial legislation through the *Fire Services Act*, which defines the duties and responsibilities of the Fire Commissioner and Local Assistants to the Fire Commissioner (LAFC).

It is the statutory requirement of LAFC's to;

- initiate an investigation into every fire within their jurisdiction
- determine the cause, origin and circumstances of the fire
- report their findings to the Fire Commissioner

These responsibilities and procedures are the same for every Local Assistant, whether his or her jurisdiction is a large urban municipality or a rural district. LAFC's must investigate a fire and submit to the fire commissioner a report containing all facts ascertained about the cause, origin and circumstances of the fire in order to identify hazards and prioritize public education initiatives that further the work of the entire fire service in support of fire prevention.

All of the information reported by the LAFC's throughout 2011 is summarized in this annual report. I invite you to review the findings and to strengthen our shared vision for a fire-safe British Columbia through partnerships that support improved fire safety, safer products in our homes, and the provision of exceptional fire services skilled at fire inspections and investigations. Together we can realize our vision of creating a fire-safe British Columbia.



Enderby Line of Duty Fatality

On Wednesday December 29th, 2011, the fire service and the community of Enderby suffered a tragic loss. Captain Daniel Botkin was killed and another Enderby Fire Rescue firefighter suffered serious injuries when, after extinguishing a structure fire at a log home construction business, an explosion occurred in a nearby sea container. The container was reportedly being utilized as a secure storage area.

This incident is a sad reminder of the risks involved and the sacrifices firefighters sometimes make protecting and ensuring the safety of the communities they serve.

The Office of the Fire Commissioner participated in the investigation of this incident along with RCMP, Worksafe BC, and the BC Coroners Service.

BC Dollar Losses, Fire Injuries and Fire Fatalities 2002 to 2011

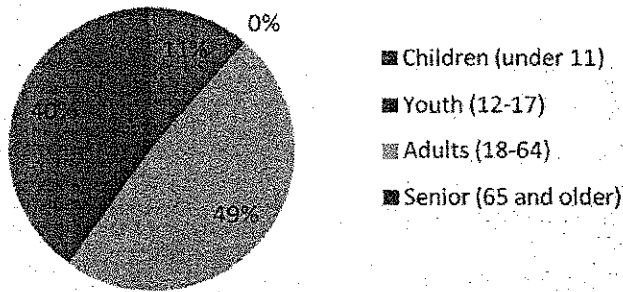
Year	Total Number of Fires	All Fires in BC Dollar Loss	Civilian Injuries	Firefighter Injuries	Civilian Fatalities	Firefighter Fatalities	Population for BC
2011	6621	\$337,184,370	186	25	35	1	4,573,321
2010	7306	\$227,927,319	163	16	44	0	4,529,674
2009	8719	\$292,030,089	165	35	53	0	4,459,947
2008	8092	\$385,910,724	168	41	57	0	4,384,047
2007	7846	\$307,307,614	150	22	43	0	4,309,632
2006	8073	\$236,880,593	180	21	23	0	4,243,580
2005	7250	\$213,474,122	175	20	34	1	4,196,788
2004	7622	\$167,801,269	197	11	28	2	4,155,170
2003	6270	\$485,414,632	175	37	23	0	4,122,396
2002	6706	\$214,455,137	201	69	41	0	4,098,178
Totals	74,505	\$2,868,385,869	1760	297	380	4	
10 Year Average	7450	\$286,838,586	176	30	38	0	4,307,273

1. Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include: lightning, forest fires, motor vehicle accidents, and explosions - steam/ammunition.
2. Population Source: BC Stats.
3. As reported to the Office of the Fire Commissioner.

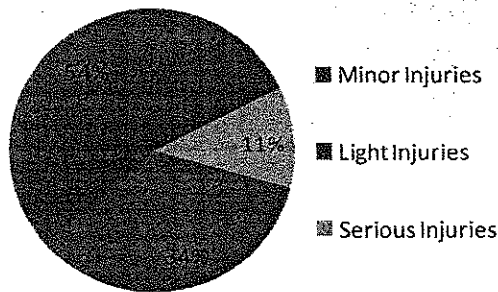
Fire Facts – Fire Injuries and Fatalities 2011:

- Most injuries occurred in May (15%).
- Most fatalities occurred in the winter months with January having greatest percentage (20%).
- 26% of fire fatalities were caused by smoking materials (cigarette, lighter, matches).
- 8 fatalities were inside trailer homes.
- In 2011 there were 40 fires with a total dollar loss of \$1,548,345 due to fireworks.

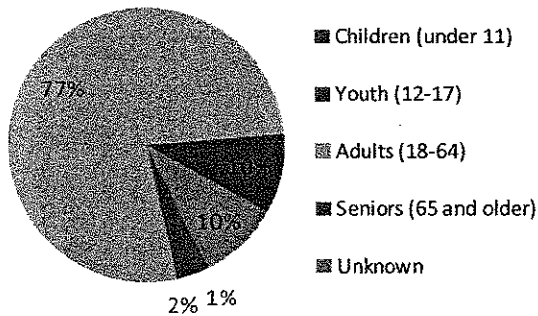
Fire Fatalities % by Age Group



Type of Fire Injuries



Fire Injuries by Age Group



* Above statistics include 25 firefighter injuries and 1 firefighter fatality.
 * See glossary for definitions of types of injuries.

Location of Fire Fatalities for 2011:

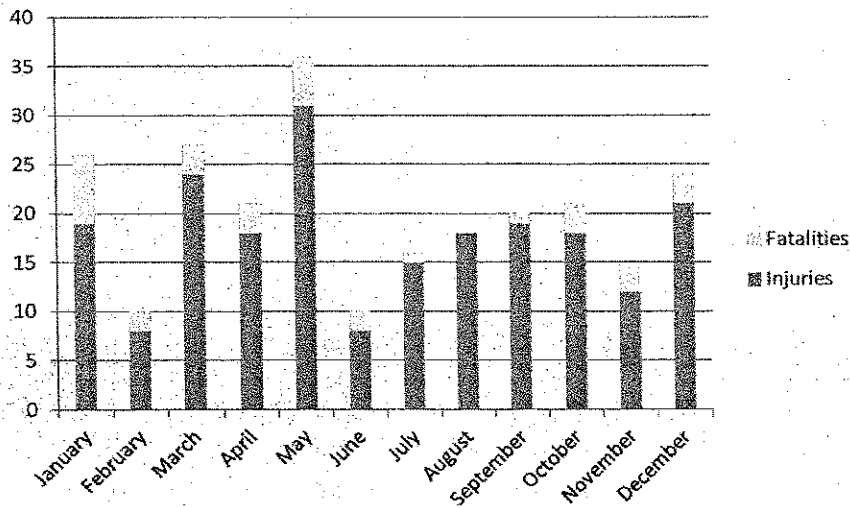
Chilliwack River Valley	1
Comox	1
Coquitlam	1
Creston	1
Dawson Creek	1
Enderby	1
Hope	3
Kelowna	1
Lytton	2
Nanaimo	1
North Vancouver	2
Port Alberni	1
Port Hardy	1
Prince George	3
Campbell River (Strathcona Regional District)	1
Richmond	2
Surrey	5
Terrace	3
Brentwood Bay (Tsartlip Band)	1
Vancouver	2
West Vancouver	1
Totals	35

Fire Facts – Residential Fires:

- In 2011, residential fires accounted for nearly 83% of fire-related injuries in BC.
- On average, one British Columbian is injured by fire every 42 hours in BC.
- In 2011, there were 2,095 residential fires reported in B.C., resulting in 21 fatalities.
- Adults have the highest risk (48%) then seniors (40%) of dying in the home fires.
- Cooking is the leading cause of home fires and fire related injuries.

Residential Fires and Smoke Alarm Operation

Fire Fatalities by Month



Fire Facts - Major Areas of Origin for Fire in Residential Homes:

1. Kitchen - 33%
2. Bedroom - 8%
3. Living room - 8%
4. Chimney - 6%
5. Vehicle Storage - 3%
6. Laundry Room - 3%

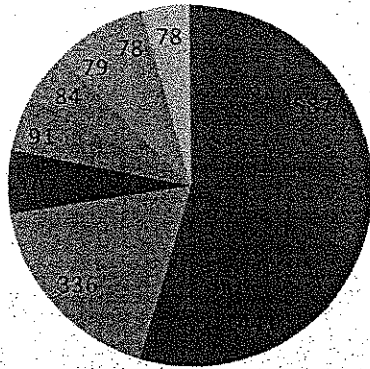
Smoke Alarm Operation

Smoke Alarm Breakdown by Description in Building Structures	Number of Fires	Total Dollar Loss	Injuries	Fatalities
Cannot be determined	903	\$99,784,070	42	10
Alarm Activated - Assisted Occupant(s) in evacuating	488	\$36,779,696	54	1
Alarm Activated - Inaudible	17	\$1,764,528	0	0
Alarm Activated - Occupant(s) unable to respond	34	\$290,260	5	2
Alarm Activated - Unnecessary to evacuate or unoccupied	219	\$13,337,409	10	0
Alarm Activated - Occupant action unknown	129	\$10,941,217	10	0
Alarm Not Activated - Unsuitable location	113	\$2,188,069	1	1
Alarm Not Activated - No battery or battery dead	59	\$4,198,762	10	3
Alarm Not Activated - AC power not connected, disabled or off	31	\$3,221,250	1	1
Alarm Not Activated - Mechanical Failure	8	\$293,850	1	0
Alarm Not Activated - Unknown	349	\$23,712,731	24	2
No smoke alarm installed	553	\$118,185,606	25	4
Totals	2903	\$314,697,448	183	24

Fire Facts - Smoke Alarm Not Activated or Installed:

- There were 1,113 fires, \$151,800,268 in total dollar losses, 62 injuries and 11 fatalities resulting from incidents where it was determined that the smoke alarm did not activate, or was not installed.
- Chances of dying in a home fire may be reduced by 74% if a working smoke alarm is present in the home.

Top Causes of Fires



- Stove, Range, Top Burner Area, Oven
- Match or lighter - not used for smoking
- Smoker's material - cigarette
- Internal combustion engine
- Permanent electric wiring, non-aluminum cable
- Electrical Equipment - unclassified
- Electrical Distribution Equipment - unclassified
- Wood/Pellet Stove
- Vehicle Wiring

Fire Facts - Breakdown of Fires by Act or Omission:

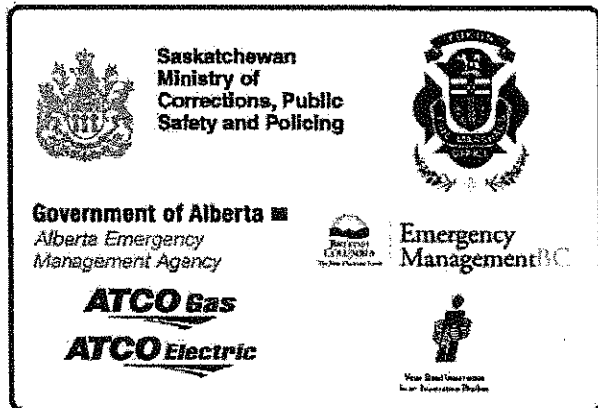
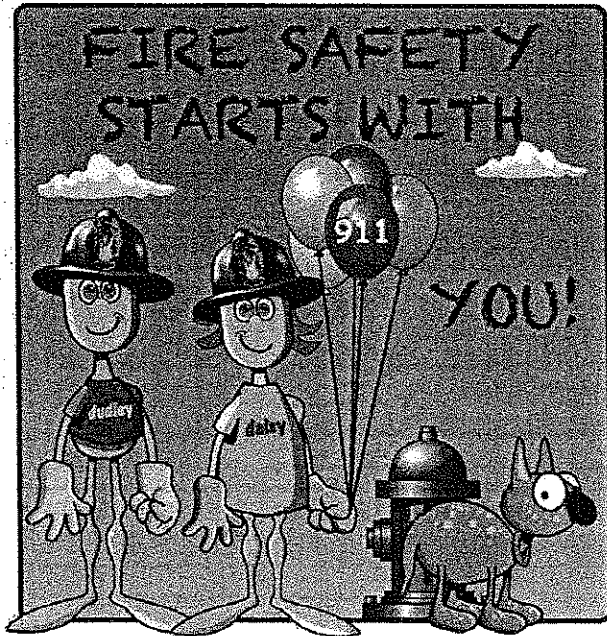
- Accidental - 49%, 147 injuries, 15 fatalities, \$116,769,551 Dollar Loss.
- Undetermined - 29%, 40 injuries, 16 fatalities, \$186,255,622 Dollar Loss.
- Incendiary - 21%, 24 injuries, 4 fatalities, \$28,664,338 Dollar Loss.
- Natural - 1%, no injuries or fatalities, \$5,494,859 Dollar Loss.

Incendiary Fires by Major Property Classification

Property Classification	Number of Fires	Total Dollar Loss	Injuries	Fatalities
Assembly	56	\$627,342	0	0
Institutional	5	\$215,485	0	0
Residential	196	\$17,217,707	22	2
Business	6	\$5,300	0	0
Commercial	23	\$3,378,501	0	0
Industrial	2	\$27,500	0	0
Vehicle/Outdoor Fire	1025	\$4,039,132	2	2
Miscellaneous	43	\$1,722,689	0	0
Can't be determined	14	\$1,430,682	0	0
Total	1370	\$28,664,338	24	4

See the glossary for definition of Property Classification and Incendiary.

Fire Prevention Week is one of the main public education initiatives at the Office of the Fire Commissioner. The focus of the 2011 campaign was 'Protect Your Family from Fire'. The OFC supplied public education material for Fire Prevention Week to 303 fire departments.



Fire Prevention Week 2011 Facts:

- The Insurance Broker's Association of BC (IBABC) was a major sponsor for the Fire Prevention Week initiative, assisting the province with the purchase of over 291,000 Activity Booklets.
- Kidde Canada supported IBABC by donating 650 large Fire Prevention Week posters and 30 home fire safety kits containing smoke detectors and carbon monoxide alarms for draws within the insurance broker offices.
- BC Fire departments are the catalysts that get the Fire Prevention Week message out to BC schools, targeting kindergarten through grade 3 children and their families. Without fire department engagement, creative initiatives, communications and steadfast support to their communities, the fire safety message would not be as successful as it is.

Fire Facts – Juvenile Firesetter:

Breakdown of Gender for Juvenile Firesetter :

- Male - 37
- Female - 4

Ignition Source:

- Lighter - 30
- Matches – 9
- Other - 2

Structure Protection Program

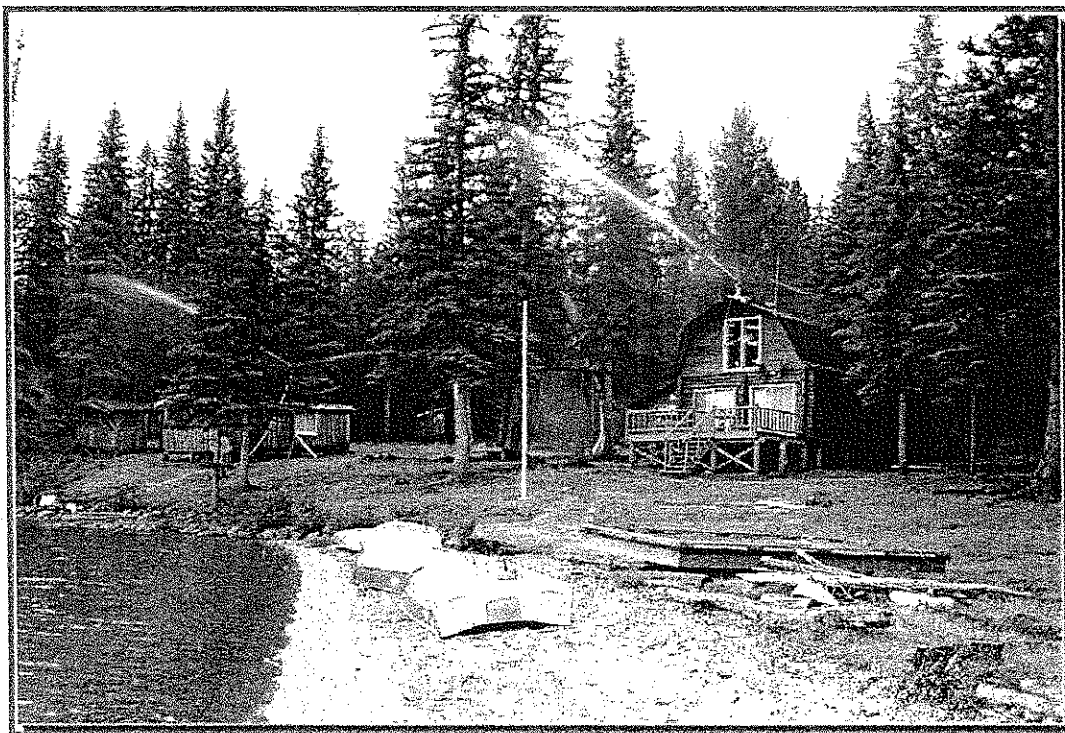
When wildland fires threaten structures, the OFC may be called upon by Ministry of Forests & Range BC Wildfire Management Branch to provide specialized resources for the purpose of structure protection. Examples of these resources are the OFC Structure Protection Specialist, Structure Protection Units (SPUs), engines, tenders, structure protection teams or other resources specific to structure protection. Normally, the OFC Structure Protection Specialists represent the OFC and supervise one or more SPU contractors/individuals with structure firefighting training.

Thankfully, 2011 was a very quiet year for the Structure Protection Program with no deployments. The OFC and the BC fire service know enough to appreciate the 'quiet' years and continue preparing for subsequent years.

Fire Facts - SPU:

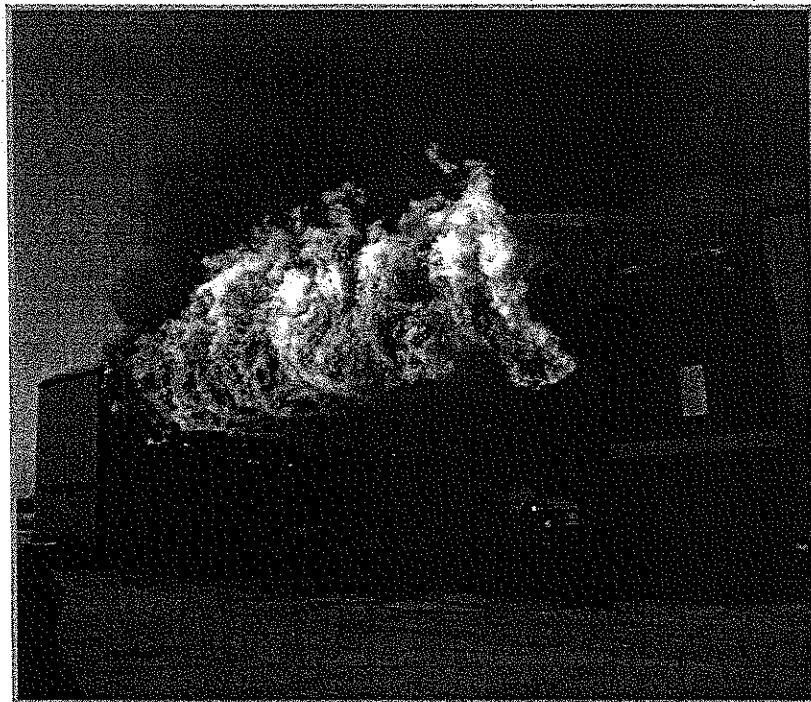
SPU Responses:

- 2007 - 13
- 2008 - 26
- 2009 - 66
- 2010 - 20
- 2011 - 0



Illegal Activity (Marijuana Grow Operations and Methamphetamine Laboratories)

Fighting fires in residences housing illegal marijuana grow operations or methamphetamine laboratories are one of the most dangerous situations a fire department may face. Often there are extreme fire risks associated with the manner in which these illegal activities are conducted, such as unsafe electrical wiring, improper installation of equipment, theft of power or natural gas, improper storage and unsafe use of chemicals. The number of fire reported incidents related to these illegal operations has remained relatively static over the last 5 years.



2011 Fire Facts - Miscellaneous:

- There were 54 fires related to school property with a total dollar loss of \$820,608.
- There were 109 industrial fires totaling \$36,254,399 in dollar losses. 55% of these fires were related to wood, furniture, paper and printing manufacturing. Wood shavings made up 39% of the materials first ignited.
- There were 21 structure fires related to illegal activities - 3 housing methamphetamine laboratories and 18 housing marijuana grow operations.
- In 2011 there were 1198 Local Assistants to the Fire Commissioner and 400 Fire Departments in BC.

Fires Per Capita by Location *

Location Name	2011 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
100 Mile House	1,974	5	0	0	5,188	2.6	2.5
Abbotsford	139,343	282	7	0	5,618,508	40.3	2
Alert Bay	485	0	0	0	0	0	0
Anmore	2,265	0	0	0	0	0	0
Armstrong	4,413	0	0	0	0	0	0
Ashcroft	1,756	0	0	0	0	0	0
Barriere	1,693	2	0	0	130,000	76.8	1.2
Belcarra	689	0	0	0	0	0	0
Bowen Island	3,716	1	0	0	1,102,000	296.6	0.3
Burnaby	229,464	130	11	0	7,230,399	31.5	0.6
Burns Lake	2,116	2	0	0	77,391	36.6	0.9
Cache Creek	1,087	1	0	0	52,167	48	0.9
Campbell River	31,771	28	0	0	682,824	21.5	0.9
Canal Flats	813	0	0	0	0	0	0
Castlegar	7,911	5	0	0	161,602	20.4	0.6
Central Saanich	16,183	12	0	0	96,250	5.9	0.7
Chase	2,497	2	0	0	15,583	6.2	0.8
Chetwynd	2,706	0	0	0	0	0	0
Chilliwack	78,898	157	16	0	3,931,171	49.8	2
Clearwater	2,314	1	0	0	35,520	15.4	0.4
Clinton	609	4	0	0	59,000	96.9	6.6
Coldstream	10,319	9	0	0	845,199	81.9	0.9
Colwood	16,721	14	0	0	148,340	8.9	0.8
Comox	13,493	10	0	1	3,311,443	245.4	0.7
Coquitlam	127,785	108	7	1	5,583,520	43.7	0.8
Courtenay	24,967	28	0	0	1,412,977	56.6	1.1
Cranbrook	18,932	11	0	0	273,850	14.5	0.6
Creston	5,224	29	1	1	293,000	56.1	5.6
Cumberland	3,311	0	0	0	0	0	0
Dawson Creek	12,257	34	2	1	1,399,181	114.2	2.8
Delta	100,094	9	0	0	463,203	4.6	0.1
Duncan	4,900	4	0	0	46,295	9.4	0.8
Elkford	2,730	16	0	0	0	0	5.9
Enderby	2,936	3	1	1	320,422	109.1	1
Esquimalt	17,654	8	0	0	15,450	0.9	0.5
Fernie	4,458	5	0	0	3,231,131	724.8	1.1
Fort St. James	1,339	1	0	0	24,000	17.9	0.7
Fort St. John	20,408	8	0	0	378,658	18.6	0.4
Fraser Lake	1,172	0	0	0	0	0	0

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2011 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Fruitvale	2,022	2	0	0	23,500	11.6	1
Gibsons	4,450	1	0	0	76,330	17.2	0.2
Gold River	1,386	5	0	0	839,720	605.9	3.6
Golden	3,934	4	0	0	34,000	8.6	1
Grand Forks	3,917	24	0	0	71,500	18.3	6.1
Granisle	389	0	0	0	0	0	0
Greenwood	692	0	0	0	0	0	0
Harrison Hot Springs	1,597	0	0	0	0	0	0
Hazelton	314	1	0	0	1,000	3.2	3.2
Highlands	2,293	3	0	0	1,800,000	785	1.3
Hope	6,201	32	1	3	921,863	148.7	5.2
Houston	3,039	2	0	0	116,184	38.2	0.7
Hudson's Hope	1,055	1	0	0	0	0	0.9
Invermere	3,653	1	0	0	30,000	8.2	0.3
Kamloops	87,654	269	8	0	2,853,252	32.6	3.1
Kaslo	1,184	2	0	0	278,496	235.2	1.7
Kelowna	121,846	38	0	1	8,500,348	69.8	0.3
Kent	5,535	9	0	0	488,192	88.2	1.6
Keremeos	1,531	1	0	0	255	0.2	0.7
Kimberley	6,683	9	0	0	800,000	119.7	1.3
Kitimat	9,098	7	0	0	28,900	3.2	0.8
Ladysmith	8,328	53	0	0	2,157,230	259	6.4
Lake Country	11,799	27	0	0	3,238,000	274.4	2.3
Lake Cowichan	3,140	6	1	0	281,746	89.7	1.9
Langford	30,263	90	4	0	1,148,865	38	3
Langley District Municipality	105,747	284	3	0	6,157,003	58.2	2.7
Langley, City of	26,119	25	2	0	735,122	28.1	1
Lantzville	3,641	1	0	0	10,000	2.7	0.3
Lillooet	2,367	1	0	0	59,475	25.1	0.4
Lions Bay	1,408	0	0	0	0	0	0
Logan Lake	2,215	1	0	0	60,000	27.1	0.5
Lumby	1,863	1	0	0	40,000	21.5	0.5
Lytton	224	1	2	2	90,000	401.8	4.5
Mackenzie	3,738	8	0	0	1,463,329	391.5	2.1
Maple Ridge	77,402	14	2	0	264,573	3.4	0.2
Masset	924	0	0	0	0	0	0
McBride	697	0	0	0	0	0	0
Merritt	7,230	2	0	0	65,113	9	0.3

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2011 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Metchosin	5,326	1	0	0	20,617	3.9	0.2
Midway	669	0	0	0	0	0	0
Mission	37,372	50	0	0	3,079,659	82.4	1.3
Montrose	1,047	1	0	0	200,000	191	1
Nakusp	1,532	1	0	1	7,180	4.7	0.7
Nanaimo	86,961	348	7	1	3,413,841	39.3	4
Nelson	9,804	25	2	0	39,943	4.1	2.5
New Denver	515	0	0	0	0	0	0
New Hazelton	617	0	0	0	0	0	0
New Westminster	67,880	74	6	0	1,468,966	21.6	1.1
North Cowichan	30,125	10	0	0	1,067,500	35.4	0.3
North Saanich	11,128	0	0	0	0	0	0
North Vancouver District Municipality	88,678	74	6	1	3,397,852	38.3	0.8
North Vancouver, City of	51,083	95	2	1	8,358,204	163.6	1.9
Northern Rockies Regional Municipality (Fort Nelson)	5,855	22	0	0	189,654	32.4	3.8
Oak Bay	18,024	43	1	0	287,050	15.9	2.4
Oliver	4,478	6	0	0	187,980	42	1.3
Osoyoos	5,210	3	0	0	118,271	22.7	0.6
Parksville	11,584	0	0	0	0	0	0
Peachland	5,160	8	0	0	36,700	7.1	1.6
Pemberton	2,399	0	0	0	0	0	0
Penticton	33,098	50	1	0	1,988,603	60.1	1.5
Pitt Meadows	18,355	9	0	0	1,211,365	66	0.5
Port Alberni	17,836	7	0	1	536,742	30.1	0.4
Port Alice	837	0	0	0	0	0	0
Port Clements	457	0	0	0	0	0	0
Port Coquitlam	57,646	116	1	0	2,034,807	35.3	2
Port Edward	566	0	0	0	0	0	0
Port Hardy	3,917	2	0	1	140,000	35.7	0.5
Port McNeill	2,633	1	0	0	1	0	0.4
Port Moody	34,488	7	0	0	819,528	23.8	0.2
Pouce Coupe	804	0	0	0	0	0	0
Powell River	13,597	34	1	0	505,782	37.2	2.5
Prince George	75,828	351	7	3	6,341,296	83.6	4.6
Prince Rupert	12,935	23	0	0	504,595	39	1.8

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2011 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Princeton	3,073	4	0	0	127,500	41.5	1.3
Qualicum Beach	8,646	6	1	0	671,680	77.7	0.7
Quesnel	9,947	26	0	0	1,244,835	125.1	2.6
Radium Hot Springs	1,028	3	0	0	416,000	404.7	2.9
Revelstoke	7,329	11	0	0	64,600	8.8	1.5
Richmond	197,631	414	10	2	95,587,182	483.7	2.1
Rossland	3,563	5	0	0	402,500	113	1.4
Saanich	113,999	142	6	0	2,228,094	19.5	1.2
Salmo	1,073	0	0	0	0	0	0
Salmon Arm	17,246	15	0	0	629,107	36.5	0.9
Sayward	339	0	0	0	0	0	0
Sechelt - including Indian Government	10,552	5	0	0	135,696	12.9	0.5
Sicamous	2,913	0	0	0	0	0	0
Sidney	11,583	3	0	0	1,074,500	92.8	0.3
Silverton	203	0	0	0	0	0	0
Slocan	399	0	0	0	0	0	0
Smithers	5,347	5	0	0	171,512	32.1	0.9
Sooke	10,919	46	0	0	1,418,720	129.9	4.2
Spallumcheen	5,155	0	0	0	0	0	0
Sparwood	3,778	5	0	0	167,200	44.3	1.3
Squamish	18,712	3	0	0	16,596	0.9	0.2
Stewart	499	0	0	0	0	0	0
Summerland	10,942	48	0	0	2,144,200	196	4.4
Sun Peaks Mountain	405	1	0	0	210,000	518.5	2.5
Surrey	473,238	467	35	5	45,804,239	96.8	1
Tahsis	372	1	0	0	1,317	3.5	2.7
Taylor	1,501	0	0	0	0	0	0
Telkwa	1,441	0	0	0	0	0	0
Terrace	12,044	33	2	3	5,490,380	455.9	2.7
Tofino	1,922	0	0	0	0	0	0
Trail	7,260	6	0	0	1,233,502	169.9	0.8
Tumbler Ridge	2,436	2	0	0	45,000	18.5	0.8
Ucluelet	1,634	2	0	0	8,176	5	1.2
Valemount	1,070	0	0	0	0	0	0
Vancouver	651,048	1,325	45	2	20,274,023	31.1	2
Vanderhoof	4,114	6	0	0	54,312	13.2	1.5

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2011 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Vernon	38,990	89	0	0	4,435,403	113.8	2.3
Victoria	84,031	36	2	0	4,358,231	51.9	0.4
View Royal	9,838	5	1	0	29,276	3	0.5
Village of Queen Charlotte	952	0	0	0	0	0	0
Warfield	1,801	0	0	0	0	0	0
Wells	304	1	0	0	1,709	5.6	3.3
West Kelowna	27,408	56	0	0	1,464,150	53.4	2
West Vancouver	44,096	31	0	1	1,595,263	36.2	0.7
Whistler	10,437	14	0	0	1,567,565	150.2	1.3
White Rock	19,313	13	1	0	478,600	24.8	0.7
Williams Lake	11,006	37	0	0	2,327,875	211.5	3.4
Zeballos	171	0	0	0	0	0	0
Unincorporated Areas	526,188	540	7	2	35,771,023	67.9	1.0
BC Total Population	4,573,321	6621	211	35	\$337,184,370	73.72	1.4

* As reported to the Office of the Fire Commissioner
Population Source: BC Stat



Act or omission (AO) - The human element by which someone has done something (an act) or failed to do something (an omission). The act or omission indicates whether the fire was deliberate, neglectful or accidental.

Area of origin - The area of a building or vehicle where the fire started.

Assembly - Property for the gathering of persons for civic, political, travel, religious, social, educational or recreational purposes. Includes theatres, recreation places/clubs, schools, colleges, universities, churches, libraries and museums, eating establishments and passenger terminals.

Business and Personal Service - Property for conducting business. Includes offices, personal services such as hairdressing and data processing or storage facilities.

Commercial - Property used for the display and sale of merchandise. Includes food and beverage sales, department stores, furniture and appliance sales, books sales, recreational/hobby supply sales, repair shops, laundries, vehicle and boat sales.

Fatality - A person killed as a direct result of a fire or a person who dies from a fire injury within one year following the date on which the injury was sustained.

Fire - Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include:

- Lightning, forest fire, motor vehicle accidents, explosion - steam/ammunition.

Incendiary or Set Fires - Includes arson, suspected arson, riot, mischief or vandalism.

Industrial Manufacturing - Property where raw materials are transformed into new products and where the component parts of manufactured products are assembled. Includes chemical, petroleum, paint and plastic manufacturing; wood, furniture, and paper manufacturing; metal product and electrical equipment manufacturing; food and beverage processing; tobacco, soap and margarine manufacturing; textile and

footwear manufacturing; vehicle and related equipment manufacturing.

Injury - A person injured as a direct result of a fire.

Institutional - Property for medical treatment, or care of persons suffering from illness, disease or infirmity, for the care of infants, convalescents or aged persons and for penal or corrective purposes. Includes prisons, jails, and homes for the aged, hospitals and clinics.

Juvenile Firesetter - Children and/or adolescents (under 18 years of age) that engage in fire setting.

Light Injury - An injury that required admission to a hospital for between 24 hours to 48 hours and/or absence from work for a period of two to fifteen days.

Material first ignited - The actual material that ignites and creates the fire condition.

Minor Injury - An injury that does not require hospitalization of more than a 24-hour period or absence from work of not more than one full day.

Miscellaneous - Includes laboratories, farm facilities, outbuildings, utilities, glass and pottery manufacturing, mining, communications and nucleonic.

Property classification - The principal use or occupancy of the building.

Residential - Property in which sleeping accommodation is provided for normal residential purposes. Includes one and two family dwellings, apartments, rooming or boarding houses, hotels, motels, dormitories and mobile homes.

Serious Injury - An injury that required admission to a hospital for a period of more than 48 hours and/or an absence from work for a period exceeding fifteen days.

Smoker's Material and 'Open' Flames - Includes cigarettes, pipes, cigars and/or matches, lighters when used in conjunction with smoking. This includes matches and lighters not associated with smoker's material, candles, cutting torches, welding equipment and hot ashes.

Acknowledgements



Photo Acknowledgements

The Office of the Fire Commissioner would like to thank the photographers who submitted amazing pictures. They may not be copied or used elsewhere without permission from the original copyright holder.

If you have any questions or concerns regarding this report, or require more detailed statistical information, we encourage you to contact us.

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The Office of the Fire Commissioner uses a real-time database environment. Therefore, statistics are subject to change as fire reports are completed.

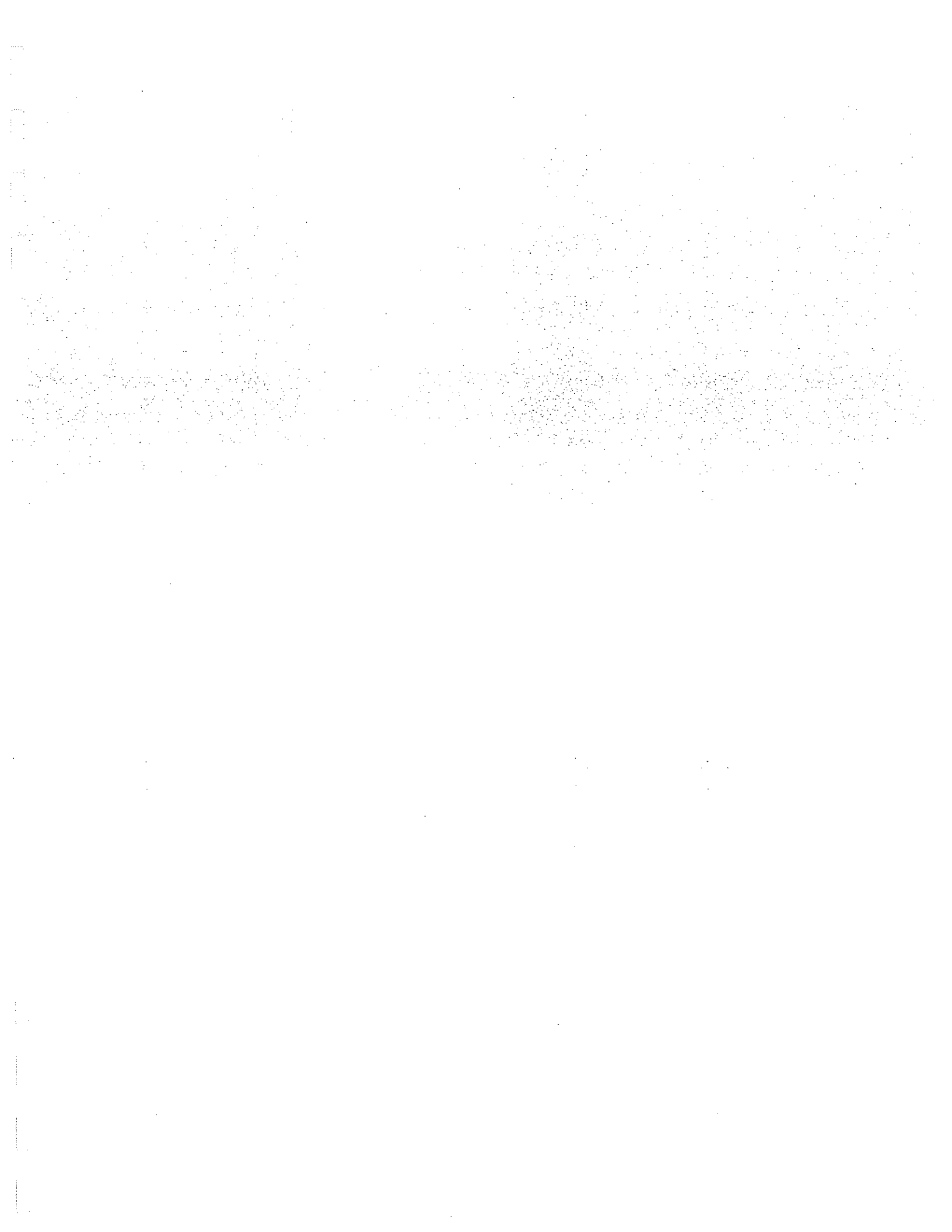
Report prepared by Shelley Ballantyne and Tammy-Lou Nieman of the Office of the Fire Commissioner.
Published December 2012.

Annual Statistical Fire Report 2012



**Emergency Management BC
Office of the Fire Commissioner**

*This report contains British Columbia fires as reported to the
Office of the Fire Commissioner for 2012*



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British Columbia Fire Injuries and Fatalities

BC Dollar Losses, Fire Injuries and Fire Fatalities 5 Year Summary

Year	Population for BC	Total Number of Fires	Civilian Injuries	Firefighter Injuries	Civilian Fatalities	Firefighter Fatalities	BC Fire Injury/Fatality Rate*
2008	4,384,047	8092	168	41	57	0	4.7/1.3
2009	4,459,947	8718	165	35	53	0	4.4/1.2
2010	4,529,674	7306	163	16	44	0	3.9/0.9
2011	4,573,321	6621	186	25	35	1	4.6/0.7
2012	4,622,573	6780	231	35	35	0	5.7/0.7
Totals	22,569,562	37,517	913	152	223	1	4.7/0.9
5 Year Average	4,513,912	7503	183	30	45	0.2	4.7/1.0

* BC Fire Injury/Fatality Rate per 100,000 populations.

1. Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include: lightning, forest fires, motor vehicle accidents, and explosions - steam/ammunition.
2. Population Source: BC Stats.
3. As reported to the Office of the Fire Commissioner.

Fire Fatalities by Property Classification

Property Classification	Fatalities	%
Residential - 1-2 Family Dwellings	18	51
Residential - Mobile Homes/RV	7	20
Workplace	4	11
Outside Area	3	9
Hotel/ Motel/ Rooming	1	3
Vehicle	2	6
Totals	35	100

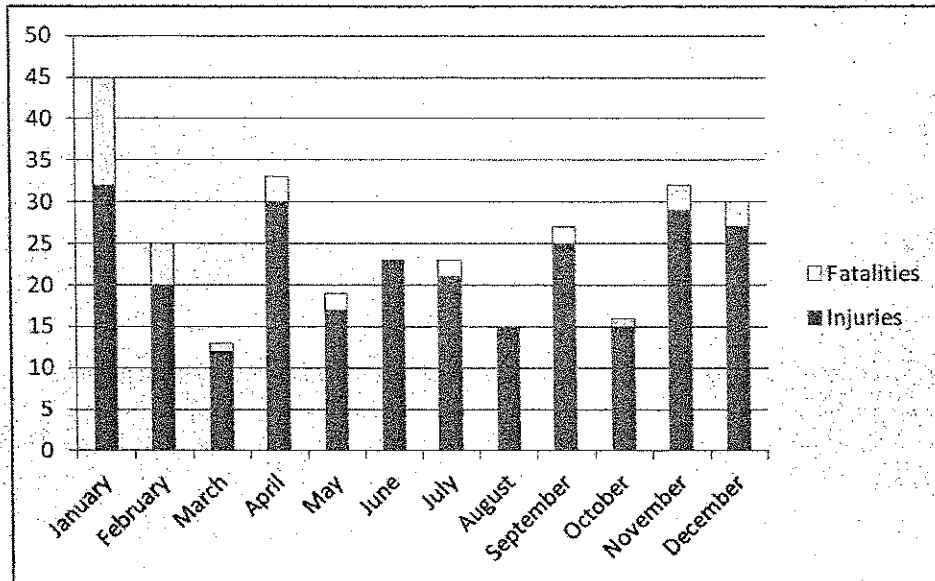


FIRE FACTS

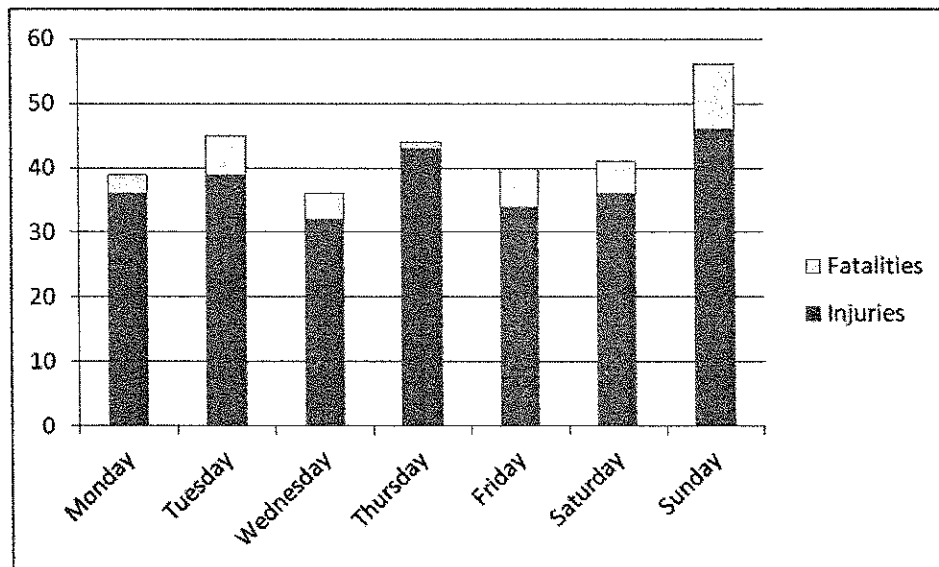
Fire Injuries and Fatalities 2012

- Injuries occurred consistently throughout the year ranging from 15-32.
- Most fatalities occurred during the winter months (Jan-Feb 51%).
- 22 of fire fatalities this year leading cause were found to be undetermined and 3 deaths were due to candles.
- 33% of fire injuries were caused by cooking and equipment.

Fire Fatalities and Injuries by Month



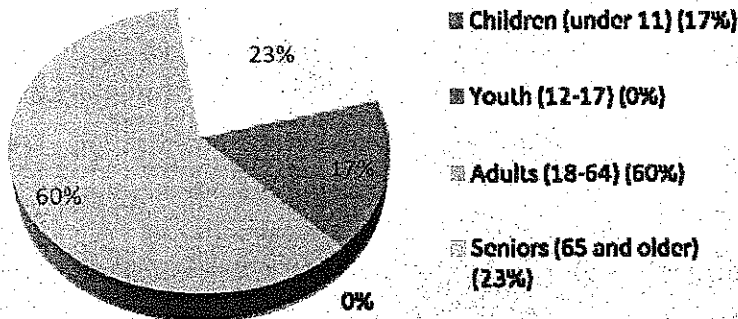
Fire Fatalities and Injuries by Day of Week



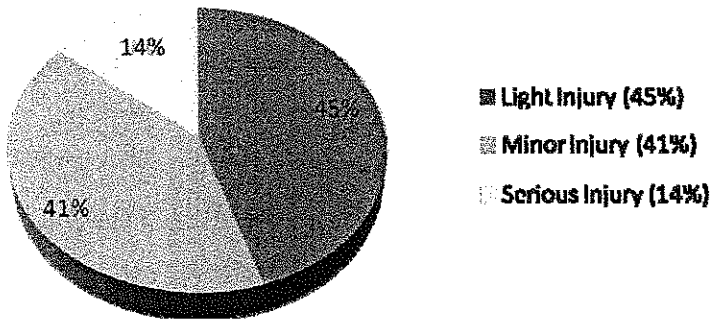
Fire Fatalities and Injuries by Time of Day

Time of Day Range	Fire Injuries		Fire Fatalities	
	Number	%	Number	%
6:01 am - 11:59 am	55	20	6	17
12 noon - 4:59 pm	61	23	4	11
5 pm - 9:59 pm	76	29	14	40
10 pm - 6 am	74	28	11	31
Total	266	100	35	100

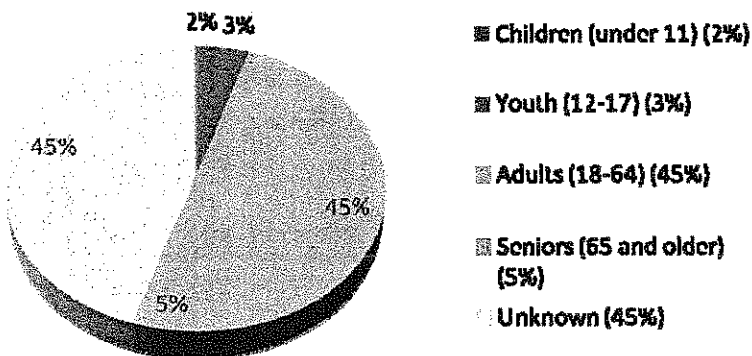
Fire Fatality by Age Group



Type of Fire Injuries



Fire Injuries by Age Group



Location of Fire Fatalities

Boston Bar	1
Burns Lake	2
Clinton	2
Clearwater	1
Coombs	1
Delta	1
Duncan	1
Fraser Valley Regional District	1
Hope	1
Granisle	1
Kamloops	1
Kelowna	1
Lantzville	2
MacKenzie	2
Nanaimo	1
New Westminster	1
North Vancouver	1
Saanich	1
Sicamous	3
Prince George	3
Surrey	2
Tumbler Ridge	1
Vancouver	3
Vernon	1
Totals	35

* Above statistics include 35 firefighter injuries and 0 firefighter fatalities.

* See glossary for definitions of types of injuries.

Residential Fires and Smoke Alarm Operation



Top Areas of Origin for Fires Started in Residential Homes:

1. Kitchen - 34%
2. Living room - 8%
3. Bedroom - 8%
4. Patio - 5%

Smoke Alarm Operation

Smoke Alarm Breakdown by Description in Building Structures	Number of Fires	Total Dollar Loss	Injuries	Fatalities
Cannot be determined	580	\$61,572,979	56	18
Alarm Activated - Assisted Occupant(s) in evacuating	475	\$58,220,476	60	0
Alarm Activated - Inaudible	6	\$113,300	0	0
Alarm Activated - Occupant(s) unable to respond	30	\$631,500	2	0
Alarm Activated - Unnecessary to evacuate or unoccupied	170	\$13,344,374	5	0
Alarm Activated - Occupant action unknown	124	\$4,841,287	11	1
Alarm Not Activated - Unsuitable location	100	\$1,901,137	1	0
Alarm Not Activated - No battery or battery dead	53	\$2,562,099	5	1
Alarm Not Activated - AC power not connected, disabled or off	30	\$1,088,403	9	2
Alarm Not Activated - Mechanical Failure	11	\$62,151	0	0
Alarm Not Activated - Unknown	308	\$11,995,363	23	0
No smoke alarm installed	319	\$18,887,597	24	0
Sub-total - Smoke Alarm did not activate, or was not installed	821	\$36,496,750	62	3
Totals	2206	\$175,220,666	196	22

Fire Facts

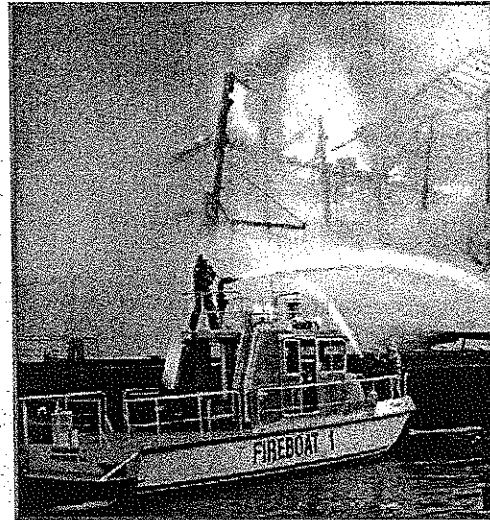
Residential Fires

- In 2012, residential fires accounted for nearly 74% of fire-related injuries in BC.
- On average, a British Columbian is injured by residential fire every 32 hours in BC.
- In 2012, there were 2,206 residential fires reported in B.C., resulting in 22 fatalities.
- Adults have the highest risk (50%) of dying in the home fires.
- Cooking is the leading cause of the determined home fires and fire related injuries.

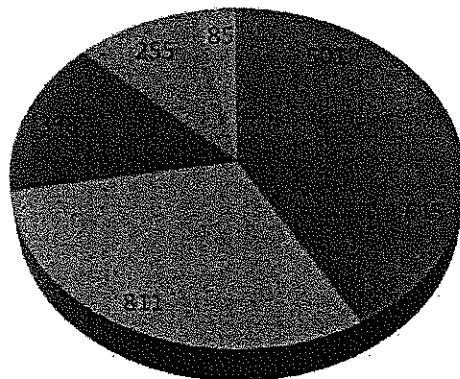
Fire Dollar Losses in BC and Top Causes of Fires

Five Year Fire Dollar Losses in BC

Year	Total Number of Fires	All Fires in BC Dollar Loss
2008	8092	\$385,910,724
2009	8718	\$291,895,609
2010	7306	\$227,930,819
2011	6621	\$337,184,370
2012	6780	\$388,486,994
Totals	37,517	\$1,631,408,516
5 Year Average	7503	\$326,281,703



Top Causes of Fires



- Match, Lighter not for smoking (501)
- Smoker's Material (615)
- Cooking Equipment (stovetop, oven) (811)
- Electrical Equipment (398)
- Heating Equipment (255)
- Internal Combustion (85)

Breakdown of Fires by Act or Omission with Injury or Fatality

Act or Omission	Percentage	Injured	Fatality	Dollar Loss
Accidental	61%	172	11	\$6,650,258
Undetermined	27%	60	21	\$88,811,050
Incendiary	12%	34	3	\$6,106,801
Natural	0%	0	0	\$0
Totals	100%	266	35	\$101,978,109



Fire Prevention Week Facts

Through a federal proclamation signed in 2012, the 7th to the 13th of October was known as “Fire Prevention Week” across Canada.

The focus of the 2012 campaign was “Have Two Ways Out” and included lesson plans focused on:

- understanding how quickly we must escape our houses if there is a fire;
- smoke alarms and creating a home escape plan;
- identifying fire, burn and other hazards;
- Fun activities that children can enjoy doing while learning safety.

BC Fire departments are the catalysts that get the Fire Prevention Week message out to BC schools, targeting kindergarten through grade 3 children and their families. Without fire department engagement, creative initiatives, communications and steadfast support to their communities, the fire safety message would not be as successful as it is.

Juvenile Firesetter Statistics

Gender of Juvenile	No. of Fires Set
Male	27
Female	1
Unknown	
Total	28

Age Range of Juveniles	No. of Fires Involved
Ages 1-8	2
9-12	3
13-18	23
Total	28

Ignition Source used to start fires	No. of Fires Set
Lighter	18
Matches	10
Other	0
Total	28

Fires Per Capita by Location *

Location Name	2012 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
100 Mile House	1,919	15	0	0	363,500	189.4	7.8
Abbotsford	140,235	189	4	0	2,070,375	14.8	1.3
Alert Bay	485	0	0	0	0	0	0
Anmore	2,202	0	0	0	0	0	0
Armstrong	4,513	0	0	0	0	0	0
Ashcroft	1,755	0	0	0	0	0	0
Barriere	1,712	0	0	0	0	0	0
Belcarra	690	0	0	0	0	0	0
Bowen Island	3,777	1	0	0	40,000	10.6	0.3
Burnaby	231,811	133	4	0	10,751,754	46.4	0.6
Burns Lake	2,142	0	0	0	0	0	0
Cache Creek	1,084	0	0	0	0	0	0
Campbell River	31,888	6	0	0	55,647	1.7	0.2
Canal Flats	826	0	0	0	0	0	0
Castlegar	7,958	3	0	0	94,600	11.9	0.4
Central Saanich	16,172	16	0	0	1,237,789	76.5	1.0
Chase	2,487	0	0	0	0	0	0
Chetwynd	2,713	0	0	0	0	0	0
Chilliwack	79,617	186	13	0	4,343,198	54.6	2.3
Clearwater	2,332	2	0	1	1,500,000	643.2	0.9
Clinton	609	2	1	2	105,000	172.4	3.3
Coldstream	10,271	4	0	0	1,156,000	112.5	0.4
Colwood	16,838	22	1	0	477,100	28.3	1.3
Comox	13,504	1	0	0	100,000	7.4	0.1
Coquitlam	129,716	155	17	0	3,832,190	29.5	1.2
Courtenay	25,116	13	0	0	827,870	33.0	0.5
Cranbrook	19,125	18	0	0	1,860,820	97.3	0.9
Creston	5,208	20	0	0	658,151	126.4	3.8
Cumberland	3,252	0	0	0	0	0	0
Dawson Creek	12,475	57	2	0	7,171,955	574.9	4.6
Delta	100,337	143	7	1	4,893,468	48.8	1.4
Duncan	4,904	1	0	0	6,002	1.2	0.2
Elkford	2,698	8	0	0	105,000	38.9	3.0
Enderby	2,892	2	0	0	930,671	321.8	0.7
Esquimalt	17,639	1	0	0	600	0	0.1
Fernie	4,502	3	0	0	15,800	3.5	0.7
Fort St. James	1,295	0	0	0	0	0	0
Fort St. John	20,992	5	0	0	70,748	3.4	0.2

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2012 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Fraser Lake	1,152	3	1	0	350	0.3	2.6
Fruitvale	2,035	2	0	0	70,000	34.4	1.0
Gibsons	4,461	1	0	0	11,000	2.5	0.2
Gold River	1,361	3	0	0	1,621,000	1191.0	2.2
Golden	3,835	1	0	0	3,000,000	782.3	0.3
Grand Forks	3,863	3	0	0	1,057,367	273.7	0.8
Granisle	392	1	0	1	3,900	9.9	2.6
Greenwood	685	0	0	0	0	0	0
Harrison Hot Springs	1,597	0	0	0	0	0	0
Hazelton	333	1	0	0	15,000	45.0	3.0
Highlands	2,256	0	0	0	0	0	0
Hope	6,136	23	2	1	717,000	116.9	3.7
Houston	3,041	3	0	0	2,150,000	707.0	1.0
Hudson's Hope	1,074	4	0	0	142,000	132.2	3.7
Invermere	3,625	1	0	0	65,000	17.9	0.3
Kamloops	87,647	222	6	1	10,800,631	123.2	2.5
Kaslo	1,183	0	0	0	0	0	0
Kelowna	122,455	170	0	1	4,219,713	34.5	1.4
Kent	5,564	13	0	0	705,550	126.8	2.3
Keremeos	1,540	1	0	0	285,000	185.1	0.6
Kimberley	6,646	0	0	0	0	0	0
Kitimat	9,176	0	0	0	0	0	0
Ladysmith	8,376	52	0	0	1,214,850	145.0	6.2
Lake Country	12,041	14	1	0	1,319,100	109.6	1.2
Lake Cowichan	3,151	5	1	0	245,750	78.0	1.6
Langford	31,195	97	3	1	1,365,090	43.8	3.1
Langley District Municipality	107,505	297	2	0	7,363,412	68.5	2.8
Langley, City of	26,261	21	0	0	181,522	6.9	0.8
Lantzville	3,652	2	0	0	10,085	2.8	0.5
Lillooet	2,423	3	0	0	1,400,000	577.8	1.2
Lions Bay	1,394	0	0	0	0	0	0
Logan Lake	2,207	0	0	0	0	0	0
Lumby	1,859	1	0	0	440,000	236.7	0.5
Lytton	226	1	0	0	10,000	44.2	4.4
Mackenzie	3,772	2	0	2	1,455,000	385.7	0.5
Maple Ridge	78,124	1	0	0	2,990	0	0
Masset	914	1	0	0	15,000	16.4	1.1

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2012 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
McBride	677	0	0	0	0	0	0
Merritt	7,283	0	0	0	0	0	0
Metchosin	5,061	0	0	0	0	0	0
Midway	663	0	0	0	0	0	0
Mission	37,614	30	0	0	3,845,251	102.2	0.8
Montrose	1,046	0	0	0	0	0	0
Nakusp	1,544	7	0	0	13,000	8.4	4.5
Nanaimo	87,515	359	4	0	1,704,550	19.5	4.1
Nelson	9,810	22	2	0	1,183,695	120.7	2.2
New Denver	510	0	0	0	0	0	0
New Hazelton	603	0	0	0	0	0	0
New Westminster	68,534	110	10	1	973,666	14.2	1.6
North Cowichan	30,168	12	0	1	1,293,000	42.9	0.4
North Saanich	11,108	0	0	0	0	0	0
North Vancouver District Municipality	89,437	86	4	1	3,224,326	36.1	1.0
North Vancouver, City of	51,870	98	0	0	886,009	17.1	1.9
Northern Rockies Regional Municipality (Fort Nelson)	5,742	0	0	0	0	0	0
Oak Bay	17,910	38	2	0	38,850	2.2	2.1
Oliver	4,380	2	0	0	0	0	0.5
Osoyoos	5,223	1	0	0	277,000	53.0	0.2
Parksville	11,828	0	0	0	0	0	0
Peachland	5,128	39	0	0	2,507,495	489.0	7.6
Pemberton	2,472	4	0	0	18,000	7.3	1.6
Penticton	33,318	24	0	0	14,264,941	428.1	0.7
Pitt Meadows	18,604	5	0	0	228,500	12.3	0.3
Port Alberni	17,747	0	0	0	0	0	0
Port Alice	842	0	0	0	0	0	0
Port Clements	456	0	0	0	0	0	0
Port Coquitlam	58,517	88	0	0	1,008,630	17.2	1.5
Port Edward	571	0	0	0	0	0	0
Port Hardy	3,730	24	0	0	360,800	96.7	6.4
Port McNeill	2,587	2	1	0	366,000	141.5	0.8
Port Moody	34,567	30	2	0	887,860	25.7	0.9
Pouce Coupe	792	0	0	0	0	0	0

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2012 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Powell River	13,596	21	1	0	602,875	44.3	1.5
Prince George	76,286	388	40	3	85,719,472	1123.7	5.1
Prince Rupert	12,913	45	0	0	637,400	49.4	3.5
Princeton	3,101	2	0	0	336,000	108.4	0.6
Qualicum Beach	8,584	2	0	0	503,100	58.6	0.2
Quesnel	9,951	17	0	0	726,006	73.0	1.7
Radium Hot Springs	1,026	1	0	0	650	0.6	1.0
Revelstoke	7,277	8	2	0	384,032	52.8	1.1
Richmond	199,949	446	17	0	28,283,906	141.5	2.2
Rosland	3,560	5	0	0	511,000	143.5	1.4
Saanich	114,013	147	9	1	2,405,000	21.1	1.3
Salmo	1,070	0	0	0	0	0	0
Salmon Arm	17,129	12	0	0	815,000	47.6	0.7
Sayward	334	0	0	0	0	0	0
Sechelt - including Indian Government	9,494	0	0	0	0	0	0
Sicamous	2,901	1	0	3	50,000	17.2	0.3
Sidney	11,597	0	0	0	0	0	0
Silverton	205	0	0	0	0	0	0
Slocan	439	1	0	0	11,000	25.1	2.3
Smithers	5,304	4	0	0	650,000	122.5	0.8
Sooke	11,125	31	0	0	602,150	54.1	2.8
Spallumcheen	5,152	0	0	0	0	0	0
Sparwood	3,835	1	0	0	8,500	2.2	0.3
Squamish	19,252	1	0	0	600,000	31.2	0.1
Stewart	495	0	0	0	0	0	0
Summerland	10,855	45	0	0	727,310	67.0	4.1
Sun Peaks	396	0	0	0	0	0	0
Surrey	482,725	555	38	2	29,122,878	60.3	1.1
Tahsis	380	0	0	0	0	0	0
Taylor	1,553	1	0	0	20,000	12.9	0.6
Telkwa	1,402	0	0	0	0	0	0
Terrace	12,182	42	0	0	653,150	53.6	3.4
Tofino	1,894	0	0	0	0	0	0
Trail	7,283	13	1	0	1,021,944	140.3	1.8
Tumbler Ridge	2,835	3	0	1	100,000	35.3	1.1
Ucluelet	1,605	0	0	0	0	0	0
Valemount	1,062	0	0	0	0	0	0
Vancouver	666,517	1,321	49	3	25,017,709	37.5	2.0

*As reported to the Office of the Fire Commissioner

Fires Per Capita by Location *

Location Name	2012 Population	Number of Fires	Injuries	Fatalities	Fire Dollar Loss	Per Capita Loss	Fires per 1000 Persons
Vanderhoof	4,113	7	0	0	193,242	47.0	1.7
Vernon	39,139	90	0	1	2,280,870	58.3	2.3
Victoria	84,360	37	3	0	1,369,998	16.2	0.4
View Royal	9,740	0	0	0	0	0	0
Village of Queen Charlotte	959	0	0	0	0	0	0
Warfield	1,808	0	0	0	0	0	0
Wells	278	0	0	0	0	0	0
West Kelowna	27,661	51	0	0	771,000	27.9	1.8
West Vancouver	44,284	29	0	0	1,480,062	33.4	0.7
Whistler	10,620	8	0	0	58,900	5.5	0.8
White Rock	19,211	4	0	0	171,791	8.9	0.2
Williams Lake	10,938	42	0	0	2,745,825	251.0	3.8
Zeballos	166	0	0	0	0	0	0
Unincorporated Areas	531,681	463	16	9	84,270,825	158.5	0.8
BC Total Population	4,459,674	6780	266	35	\$388,486,994	87.1	1.5

*As reported to the Office of the Fire Commissioner
Population Source: BC Stats

Fire Facts

- OFC coordinated 10 deployments of structure protection personnel/equipment in 2012.
- There were 55 fires related to school property with a total dollar loss of \$637,030.
- There were 118 industrial fires totaling \$139,890,212 in dollar losses, with 14 injuries and 5 fatalities. Babine Forest Products and the Lakeland Mill explosion were the devastating events that increased the fatalities and injuries. 53% of these fires were related to wood, furniture, paper and printing manufacturing.
- In 2012 there were 29 fires with a total dollar loss of \$46,300 caused by fireworks.
- There were 15 structure fires related to illegal activities from grow ops and methamphetamine labs which caused over \$2 million dollars in losses.

Act or omission (AO) - The human element by which someone has done something (an act) or failed to do something (an omission). The act or omission indicates whether the fire was deliberate, neglectful or accidental.

Area of origin - The area of a building or vehicle where the fire started.

Fire - Fire is any instance of destructive or uncontrolled burning of combustible solids, liquids or gases. Fire does not include:

- Lightning, forest fire, motor vehicle accidents, explosion - steam/ammunition.

Fire Fatality - A person killed as a direct result of a fire or a person who dies from a fire injury within one year following the date on which the injury was sustained.

Fire Injury - A person injured as a direct result of a fire.

Light Injury - An injury that required admission to a hospital for between 24 hours to 48 hours and/or absence from work for a period of two to fifteen days.

Minor Injury - An injury that does not require hospitalization of more than a 24-hour period or absence from work of not more than one full day.

Serious Injury - An injury that required admission to a hospital for a period of more than 48 hours and/or an absence from work for a period exceeding fifteen days.

Incendiary or Set Fires - Includes arson, suspected arson, riot, mischief or vandalism.

Juvenile Firesetter - Children and/or adolescents (under 18 years of age) that engage in fire setting.

Material first ignited - The actual material that ignites and creates the fire condition.

Property classification - The principal use or occupancy of the building.

Residential Property - Property in which sleeping accommodation is provided for normal residential purposes. Includes one and two family dwellings, apartments, rooming or boarding houses, hotels, motels, dormitories and mobile homes.

Smoker's Material and 'Open' Flames - Includes cigarettes, pipes, cigars and/or matches, lighters when used in conjunction with smoking. This includes matches and lighters not associated with smoker's material, candles, cutting torches, welding equipment and hot ashes.



Acknowledgements

Photo Acknowledgements

The Office of the Fire Commissioner would like to thank the photographers who submitted amazing pictures. They may not be copied or used elsewhere without permission from the original copyright holder.



If you have any questions or concerns regarding this report, or require more detailed statistical information, we encourage you to contact us.

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The Office of the Fire Commissioner uses a real-time database environment. Therefore, statistics are subject to change as fire reports are completed.

Report prepared by Shelley Ballantyne and Tammy-Lou Nieman of the Office of the Fire Commissioner.

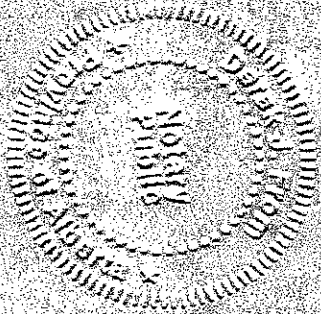
Published September 2013.

EXHIBIT "C"

This is Exhibit "C" referred to in the
Affidavit of Tim Moen sworn before me at
Calgary, this 17 day of
December, 2014



A commissioner for taking affidavits
For Alberta



No. T-2030-13

FEDERAL COURT

BETWEEN:

NEIL ALLARD
TANYA BEEMISH
DAVID HEBERT
SHAWN DAVEY

PLAINTIFFS

AND:

HER MAJESTY THE QUEEN IN RIGHT OF CANADA

DEFENDANTS

CERTIFICATE CONCERNING CODE OF CONDUCT FOR EXPERT WITNESSES

I, Tim Moen, having been named as an expert witness by the Plaintiffs, certify that I have read the Code of Conduct for Expert Witnesses set out in the schedule to the Federal Courts Rules before the commissioning of my Affidavit and agree to be bound by it.

Dated: December 19, 2014



Tim Moen
Expert Witness