

| Year | Significant | Date (U.T.) | Time (UT) | Date (Local) | Time (local) | Region | Area | Lat | Lon | Qual. | Depth (km) | Preferred Magnitude | Mag Type | Other magnitudes | Source of magnitude information | Assoc. Landslide(s) | Assoc. Tsunami | Damage to Buildings | Deaths | MMI Maximum in Canada | Description | Source | URL English |
|------|-------------|-------------|-----------|---------------------|---------------|--------|---|-------|---------|-------|------------|---------------------|---------------------|--------------------|--------------------------------------|---------------------|----------------|-----------------------------|---|--|--|--|---|
| 1663 | *** | 1663-02-05 | 22:30 | 1663-02-05 | 17:30 | E | Charlevoix-Kamouraska, Quebec. | 47.6 | -70.1 | D | x | 7 | M _L | | Estimated | Yes | No | Yes | 0 | IX | Epicentre most likely in the Charlevoix-Kamouraska Seismic Zone, Quebec; Felt in most of New France (Quebec City, Trois-Rivières, Montréal) and parts of New England (Boston) and New Amsterdam (New York City). Some damage to masonry in Quebec City, Trois-Rivières and Montréal. Landslides reported in the Charlevoix region, and along the St. Lawrence, Shipshaw, Betsiamites, Pentecôte, Batiscan and Saint-Maurice rivers. Numerous aftershocks felt in Quebec City during the following months. | Gouin 2001 | http://earthquakescanada.nrcan.gc.ca/historic_eq/15-19th/1663_e.php |
| 1700 | *** | 1700-01-27 | 05:00 | 1700-01-26 | 21:00 | W | Cascadia Subduction Zone, British Columbia. | 48.5 | -125 | C | x | 9 | M _w | | Estimated | Yes | Yes | Yes (in Japan from tsunami) | Unknown, native villages destroyed according to oral traditions | XII | Cascadia subduction zone, offshore of Vancouver Island, Washington and Oregon. Recorded widely in oral native accounts and by geological evidence for subsidence and a tsunami along the outer coast; confirmed by a tsunami record in Japan. Extent of damage unknown. | Natural Resources Canada | http://earthquakescanada.nrcan.gc.ca/historic_eq/15-19th/1700/1700_e.php |
| 1732 | ** | 1732-09-16 | 16:00 | 1732-09-16 | 11:00 | E | Near Montreal, Quebec. | 45.5 | -73.6 | D | x | 5.8 | m _N | | Estimated from intensity data | No | No | Yes | 0 | VI | Probable epicentre near Montréal, Quebec. Felt in New France, from Louisbourg to the James Bay. Considerable damage in the city of Montréal where hundreds of chimneys were damaged and walls cracked. No injuries documented. Aftershocks felt in Montreal. | Gouin 2001 | http://earthquakescanada.nrcan.gc.ca/historic_eq/15-19th/1732_e.php |
| 1791 | ** | 1791-12-07 | 01:00 | 1791-12-06 | 20:00 | E | Charlevoix-Kamouraska, Quebec. | 47.4 | -70.5 | C | x | 6 | M _L | | Estimated from intensity information | No | No | Yes | 0 | VII | Felt strongly in Charlevoix, Quebec, and in Quebec City. Damage to houses and churches in Baie-Saint-Paul, Les Éboulements and on Île aux Coudres. | Gouin 2001 | http://earthquakescanada.nrcan.gc.ca/historic_eq/15-19th/1791_e.php |
| 1817 | * | 1817-05-22 | 07:31 | 1817-05-22 | | E | Passamaquoddy Bay, New Brunswick. | 45.0 | -67.2 | C | x | 4.8 | m _N | | Estimated from intensity information | No | No | No | 0 | VI | Chimney damage in St. Stephen, New Brunswick. | Burke (pers. comm.) | |
| 1831 | * | 1831-07-07 | | 1831-07-07 or 08(?) | Night | E | Charlevoix-Kamouraska, Quebec. | 47.6 | -70.1 | C | x | 5.0 | M _L | | Estimated from intensity information | No | No | Yes | 0 | VII | At La Malbaie, Quebec, damage to walls (wide crack), chimneys thrown down or displaced. Also felt in Quebec City. | Gouin 2001 | |
| 1842 | * | 1842-11-07 | | 1842-11-07 | | E | Trois-Rivières, Quebec. | 46.0 | -73.2 | C | x | 5.0 | M _L | | Estimated from intensity information | No | No | Yes | 0 | VI | In Trois-Rivières, Quebec, bricks fell from chimneys, fallen objects, broken windows. | Gouin 2001 | |
| 1855 | ** | 1855-02-08 | 18:00 | 1855-02-08 | 09:15 | E | Moncton, New Brunswick. | 46.0 | -64.5 | C | x | 5.2 | m _N | | Estimated from intensity information | No | No | Yes | 0 | VI | Minor damage was reported for this earthquake. Chimney damage reported in Moncton, New Brunswick. In Hopewell, near the epicentre, the shock cracked the plastering of walls. | Leblanc and Burke, 1985. | |
| 1860 | ** | 1860-10-17 | 11:15 | 1860-10-17 | about 06:00 | E | Charlevoix-Kamouraska, Quebec. | 47.5 | -70.1 | C | x | 6 | M _L | | Estimated from intensity information | No | No | Yes | 0 | VIII | Widely felt in Quebec and felt as far as New Brunswick, eastern Ontario and New England. Damage in the epicentral region on both shores of the St. Lawrence River: North Shore: Baie-Saint-Paul; La Malbaie; South Shore: Rivière-Œuelle. Also felt strongly in Quebec City. | Gouin, 2001. | http://earthquakescanada.nrcan.gc.ca/historic_eq/15-19th/1860_e.php |
| 1861 | * | 1861-07-12 | 02:00 | 1861-07-11 | 21:00 | E | Western Quebec, Quebec. | 45.4 | -75.4 | C | x | 5.0 | M _L | | Estimated from intensity information | No | No | Yes | 0 | VII | Felt over most of western Quebec and eastern Ontario. Epicentre probably in the Saint-André-Avellin region, Quebec. where damage to masonry walls and chimneys was reported. In Ottawa, Ontario, overturned chimneys were reported. | Gouin, 2001. | |
| 1864 | * | 1864-10-29 | 14:55 | 1864-10-30 | 06:55 | W | Gulf Islands, British Columbia. | 48.75 | -123.25 | C | 50+/-25.5 | | OT | | Estimated from intensity information | No | No | Yes | 0 | VI | Felt severely in British Columbia in Victoria, New Westminster, Vancouver. At least one chimney fell in Vancouver. No aftershocks reported. | Milne, 1956. | |
| 1869 | * | 1869-10-22 | 11:00 | 1869-10-22 | about 05:00 A | E | Central New Brunswick. | 46.5 | -66.5 | C | x | 5.7 | M _L (IV) | | MMI IV isoseismal Magnitude | No | No | Yes | 0 | VI | Minor damage to chimneys and walls were reported from a widespread distribution of communities; e.g. Eastport in southeastern Maine, Fredericton and Woodstock in central New Brunswick, Newcastle (Miramichi City) in northern New Brunswick and Saint John, along the southern coast of New Brunswick. | Leblanc and Burke, 1985; Burke, 2004. | |
| 1870 | *** | 1870-10-20 | 16:30 | 1870-10-20 | 11:30 | E | Charlevoix-Kamouraska, Quebec. | 47.4 | -70.5 | C | x | 6½ | M _L | | Estimated from intensity information | Yes | No | Yes | Possibly 2 in Les Éboulements | IX-X | Felt over most of the Province of Quebec, in Ontario, New Brunswick, and in New England. Considerable damage to houses in Charlevoix, especially in Baie-Saint-Paul, Les Éboulements and along the South Shore of the St. Lawrence River. Damage to chimneys reported in lower town in Quebec City. Possible rock slide along the Saguenay River. | Gouin, 2001. | http://earthquakescanada.nrcan.gc.ca/historic_eq/15-19th/1870_e.php |
| 1872 | | 1872-01-10 | 01:00 | 1872-01-09 | 20:00 | E | Quebec City, Quebec. | 47.5 | -70.5 | C | x | 5 | M _L | | Estimated from intensity information | No | No | Yes | 0 | V | Quebec City Region; Vibrations cracked a wall in the lower town and made objects fall. | Gouin, 2001. | |
| 1872 | ** | 1872-12-15 | 05:37 | 1872-12-14 | 21:37 | W | Washington-British Columbia Border. | 47.76 | -119.90 | C | x | 6.8 | OT | | Estimated from intensity information | No | Yes (USA) | Yes | 0 | VIII | Lake Chelan, Washington. Strong shaking felt in southern British Columbia. The shaking was strong enough to frighten people and cause them to run out of buildings in Victoria, New Westminster, and Yale, British Columbia, and in Seattle, Washington. The earthquake was reported felt from central British Columbia in the north (Quesnel) to central Oregon in the south (Salem) and east into the present day Alberta and Montana. | Milne, 1956; Burke | http://earthquakescanada.nrcan.gc.ca/historic_eq/15-19th/1872_e.php |
| 1880 | * | 1880-11-29 | | 1880-11-29 | Morning | E | Quebec North Shore, Quebec. | 49.5 | -67.0 | C | x | 5.5 | M _{FA} | | Estimated from intensity information | No | No | Yes | 0 | V-VI | region. | Gouin, 2001. | |
| 1882 | | 1882-05-01 | 06:45 | 1882-04-30 | 22:45 | W | Puget Sound, Washington | 47 | -123 | C | x | 6.0 | OT | | Estimated from intensity information | No | No | No | 0 | V | Felt in Victoria, British Columbia, where some crockery was thrown down from shelves and some loose plaster fell. Damage reported in Montreal, Quebec: broken windows, fallen bricks from walls, building that was being built collapsed, fallen dishes, plaster fallen. Similar damage reported in Quebec from Coteau Landings, Saint-Hilaire, Saint-Jean-sur-Richelieu, Ormstown (fallen chimneys) and Summerstown, Ontario. | Milne, 1956; Ludvin and Qamar, 1995. | |
| 1893 | | 1893-11-27 | 16:50 | 1893-11-27 | 11:47 | E | Montreal, Quebec. | 45.5 | -73.3 | C | x | 5.7 | M _L | | Estimated from intensity information | No | No | Yes | 0 | V-VI | | Gouin, 2001. | |
| 1897 | | 1897-03-23 | 22:06 | 1897-03-23 | 18:06 | E | Montreal, Quebec. | 45.5 | -73.6 | C | x | 5.0 | M _L | | Estimated from intensity information | No | No | Yes | 0 | V-VI | In Montreal, Quebec, cracked walls and ceilings, one fallen chimney, some broken windows and fallen objects. | Gouin, 2001. | |
| 1899 | | 1899-09-04 | 00:22 | | | W | Alaska - Yukon border | 59.43 | -143.05 | C | x | 7.9 | M _S | | Estimated from intensity information | No | No | No | 0 | IV | Felt mildly in Whitehorse, Yukon Territory. | Doser, 2006. | |
| 1899 | | 1899-09-04 | 04:40 | | | W | Alaska - Yukon border | 60 | -142 | C | x | 6.9 | M _S | | Estimated from intensity information | No | No | No | 0 | IV | Felt mildly in Whitehorse, Yukon Territory. | | |
| 1899 | | 1899-09-10 | 17:04 | 1899-09-10 | 08:04 | W | Yukon-Alaska Border | 58.62 | -139.07 | C | x | 7.4 | M _S | | Estimated from intensity information | No | No | No | 0 | | Not reported felt | Doser, 2006. | |
| 1899 | ** | 1899-09-10 | 21:41 | 1899-09-10 | 13:41 | W | Yukon-Alaska Border | 59.39 | -139.5 | C | x | 8.0 | M _S | | Estimated from intensity information | Yes | Yes | Yes (USA) | 0 | | Yukon - Alaska border. First of three great earthquakes in this region in the space of eight days. Strong effects experienced in many parts of northern British Columbia and southern Yukon Territory. Followed by a series of strong aftershocks the following days. Phenomena observed included surface faulting, avalanches, fissures, spouting from sand craterlets, and slight damage to buildings. A destructive tsunami 10.6 meters in height occurred in Yakutat Bay, and tsunamis also were observed at other places along the Alaskan coast. | Milne, 1956.; Canada-Seismicity. Stover and Coffman, USGS, 1993; Dosser, 2006. | |
| 1900 | * | 1900-10-09 | 12:28 | 1900-10-09 | 04:28 | W | Kodiak Island, Alaska | 58.39 | -152.42 | C | x | 7.7 | M _S | | Estimated from intensity information | No | No | Yes (USA) | 0 | VI | Felt strongly in Whitehorse, Yukon Territory. | NOAA Intensity database; Dosser, 2006. | |
| 1904 | ** | 1904-03-21 | 06:04 | 1904-03-21 | 02:04 | E | Passamaquoddy Bay, New Brunswick. | 45.0 | -67.2 | C | x | 5.9 | M _L (IV) | 5.7 m _N | Estimated felt area IV magnitude | No | No | Yes | 0 | VII | Strong earthquake felt throughout the Maritime provinces, the St. Lawrence Lowlands and the New England states. Minor damage to buildings was reported from several communities along the coasts of New Brunswick and Maine and chimneys were thrown down at St. Stephen in southwestern New Brunswick and Eastport in southeastern Maine. | Leblanc and Burke, 1985. | |
| 1908 | | 1908-05-15 | 08:31 | | | W | Coast of southeastern Alaska. | 59.19 | -141.67 | C | x | 7.0 | M _S | | | No | No | No | 0 | | Not reported felt. | Doser, 2006. | |
| 1909 | | 1909-01-11 | 23:49 | 1909-01-11 | 15:49 | W | Gulf Islands, British Columbia. | 48.7 | -122.8 | C | 50+/-26.0 | M _{FA} | | | No | No | Yes | 0 | V | Strongly felt in Canada, damage also caused in the United States. At Victoria, the most serious damage was that of broken crockery. At Blaine, walls were cracked. | Rogers, 1983. | | |
| 1909 | * | 1909-05-16 | 04:15 | 1909-01-15 | 22:15 | W | Southern Saskatchewan | 49 | -104 | C | x | 5.5 | m _N | | | No | No | Yes | 0 | VI | In southern Saskatchewan, some broken windows and articles fallen from shelves. | Horner and Hasegawa 1978 | |
| 1912 | | 1912-03-11 | 10:17 | | | W | West of Vancouver Island, British Columbia. | 51.0 | -131. | C | x | 6.5 | M _S | | | No | No | No | 0 | | Felt on Triangle Island off the northwest coast of Vancouver Island. | Milne, 1956. | |
| 1914 | * | 1914-02-10 | 18:31 | 1914-02-10 | 13:30 | E | Cornwall region, Ontario | 46 | -75 | C | x | 5.5 | M _L | | | No | No | No | 0 | V-VI | Probably in the Cornwall, Ontario, region based on maximum damage occurrence (displaced walls, fallen plaster). Felt over eastern Ontario, Western Quebec and eastern U.S. | Smith, 1962; Gouin, 2001 | |
| 1914 | | 1914-07-21 | 22:31 | | | W | West of Vancouver Island, British Columbia. | 49 | -130 | C | x | 6.5 | M _S | | | No | No | No | 0 | | Not reported felt. | | |
| 1917 | * | 1917-01-26 | 19:35 | 1917-01-26 | 14:35 | E | Western Quebec. | 46.8 | -74.5 | C | x | 4.3 | M _L | | | No | No | no | u | V | in montreal, Quebec: objects fell from shelves and furniture. in Ottawa, Ontario, some plaster fell from ceilings. | Gouin, 2001. | |
| 1917 | | 1917-07-01 | 13:20 | | | W | West of Vancouver Island, British Columbia. | 50 | -128 | C | x | 6.4 | OT | | | No | No | No | 0 | | Not reported felt. | | |
| 1917 | | 1917-12-23 | 15:48 | | | W | West of Vancouver Island, British Columbia. | 50 | -128 | C | x | 6.5 | OT | | | No | No | No</ | | | | | |

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| 1929 | *** | 1929-05-26 | 22:39 | 1929-05-26 | 14:42 | W | Queen Charlotte Islands, British Columbia. | 51.51 | -130.74 | C | x | 7.0 | M _S | | | Yes | Yes | Yes | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | </ |
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| 1976 | 1976-12-20 | 20:33 | | | W | West of Vancouver Island, British Columbia. | 48.79 | -129.28 | B | 10 (F) 6.7 | M _S | | | No | No | No | 0 | | Not reported felt. | | |
| 1979 | * | 1979-02-28 | 21:27 | 1979-02-28 | 13:27 | N | Southern Yukon-Alaska Border. | 60.59 | -141.47 | B | x | 7.5 | M _w | 7.2 M _S ; 7.1 m _B | No | No | Yes | 0 | | Felt strongly in Canada; with minor damage at Bayshore (Southern Klwane Lake), Beaver Creek, Bunwash Landing, Destruction Bay, Haines Junction and Whitehorse. | Stover, Reagor and Wetmiller 1980, NOAA Intensity database |
| 1979 | * | 1979-08-19 | 22:49 | 1979-08-19 | 18:49 | E | Charlevoix-Kamouraska, Quebec. | 47.67 | -69.9 | A | 10 | 5.0 | m _N | 4.6 m _B ; 4.5 M _S ; 5.3 M _L | No | No | Yes | 0 | VI | Felt in Charlevoix, Kamouraska, and Saguenay regions. Damaged three chimneys. | Hasegawa and Wetmiller 1980. |
| 1980 | | 1980-12-17 | 16:22 | 1980-12-17 | 08:22 | W | West of Vancouver Island, British Columbia. | 49.42 | -129.62 | B | 10 (F) 6.8 | M _S | 6.0 m _B | | No | No | No | 0 | | West of Vancouver Island, British Columbia. | Natural Resources Canada. |
| 1982 | ** | 1982-01-09 | 12:53 | 1982-01-09 | 08:53 | E | Miramichi Highlands, New Brunswick. | 47.0 | -66.6 | B | 7 | 5.8 | m _N | 5.7 m _B ; 5.2 M _S | No | No | Yes | 0 | VI | First of two moderate earthquakes, Miramichi Highlands, New Brunswick. Because the epicentral area is unpopulated, damage was very slight: a few hairline cracks but no structural damage in buildings up to 100 km away. Followed by hundreds of aftershocks over the following months. | Wetmiller et al. http://earthquakescanada.nrcan.gc.ca/historic_eq/20th/miramichi_e.php |
| 1982 | * | 1982-01-11 | 21:41 | 1982-01-11 | 17:41 | E | Miramichi Highlands, New Brunswick. | 47.0 | -66.6 | B | 7 | 5.5 | m _N | 5.4 m _B ; 4.5 M _S | No | No | Yes | 0 | VI | Second of two moderate earthquakes, Miramichi Highlands, New Brunswick. Because the epicentral area is unpopulated, damage was very slight. Followed by hundreds of aftershocks over the following months. | Wetmiller et al. http://earthquakescanada.nrcan.gc.ca/historic_eq/20th/miramichi_e.php |
| 1983 | | 1983-06-28 | 03:25 | | | W | Alaska - Yukon border. | 60.16 | -141.22 | B | 10 (F) 5.4 | M _S | | | No | No | No | 0 | | Not reported felt. | |
| 1983 | | 1983-10-07 | 10:18 | 1983-10-07 | 06:18 | E | Blue Mountain Lake, New York. | 44.03 | -74.31 | B | 7 | 5.2 | M _w | 5.1 M _B ; 5.7 M _L | Yes (USA) | No | Yes (USA) | 0 | VI | Adirondack Mountains, New York. Felt mildly in southern Quebec. | Seeber and Armbruster, 1986 |
| 1985 | *** | 1985-10-05 | 15:24 | 1985-10-05 | 09:24 | N | North Nahanni River, Northwest Territories. | 62.21 | -124.22 | B | 5 | 6.6 | M _w | 6.5 m _B | Yes | No | No | 0 | IX | Felt in the western Northwest Territories, southeastern Yukon and northern Alberta and British Columbia. The earthquake caused large landslides, rockfalls and a major rock avalanche in the epicentral region. An estimated 5 to 7 million cubic metres of rocks crashed 1.6 km down from the crest to the toe of the slide. Felt strongly with slight damage at Wrigley, Fort Simpson and Fort Liard. Hundreds of aftershocks recorded in the following months. | Wetmiller et al. http://earthquakescanada.nrcan.gc.ca/historic_eq/20th/nahanni/nahanni85_e.php |
| 1985 | *** | 1985-12-23 | 05:16 | 1985-12-22 | 23:16 | N | North Nahanni River, Northwest Territories. | 62.19 | -124.23 | B | 6 | 6.9 | M _w | 6.4 m _B ; 6.6 M _S | Yes | No | No | 0 | IX | Felt in the western Northwest Territories, southeastern Yukon and northern Alberta and British Columbia. Hundreds of aftershocks recorded in the following months. | Wetmiller et al. http://earthquakescanada.nrcan.gc.ca/historic_eq/20th/nahanni/nahanni85_e.php |
| 1986 | | 1986-03-21 | 23:56 | 1986-03-21 | 15:56 | W | Prince George, British Columbia. | 54.21 | -121.94 | B | Betwe | 5.4 | m _B | 5.2 M _S | No | No | ? | 0 | | Eastern British Columbia. Felt strongly in the Prince George area and at Willow River, Giscome, Upper Fraser and Sinclair Mills. Minor damage occurred in the sparsely populated epicentral region, mainly to older unreinforced masonry chimneys. | Rogers et al, 1990. |
| 1987 | | 1987-11-17 | 08:46 | | | W | Gulf of Alaska. | 58.56 | -143.31 | B | 10 (F) 6.9 | M _S | | | No | No | No | 0 | | Not reported felt. | |
| 1987 | | 1987-11-30 | 19:23 | | | W | Gulf of Alaska. | 58.67 | -142.83 | B | 10 (F) 7.6 | M _S | | | No | No | No | 0 | | Not reported felt. | |
| 1988 | | 1988-03-06 | 22:35 | | | W | Gulf of Alaska. | 56.96 | -143.15 | B | 10 (F) 7.6 | M _S | 6.8 m _B | | No | Yes | No | 0 | | Slight damage to three ships in epicentral region. Felt throughout southeastern Alaska, southwestern Yukon and northwestern British Columbia. Small, non destructive tsunami measured along Alaska coast. | |
| 1988 | | 1988-03-06 | 23:14 | | | W | Gulf of Alaska. | 57.47 | -143.08 | B | 10 (F) 6.2 | m _B | | | No | No | No | 0 | | Not reported felt. | |
| 1988 | | 1988-03-25 | 19:36 | | | N | North Nahanni River, Northwest Territories. | 62.12 | -124.21 | B | 10 (F) 6.0 | M _S | | | No | No | No | 0 | | Felt at Wrigley, Fort Simpson, Nahanni Butte and Fort Liard, Northwest Territories. Felt in the southern Yukon Territory as far west as Haines Junction. Felt as far south as Prince George, British Columbia, and Edmonton, Alberta. | |
| 1988 | *** | 1988-11-25 | 23:46 | 1988-11-25 | 18:46 | E | Saguenay Region, Quebec. | 48.12 | -71.18 | B | 28 | 5.9 | M _w | 5.9 m _B ; 6.5 m _N ; 5.8 M _S | Yes | No | Yes | 2 (heart attacks) | VIII | Laurenides Fauna Reserve, south of Saguenay (Chicoutimi), Quebec. Preceded by a foreshock 2½ days before. Damage caused to unreinforced masonry at Jonquière, Chicoutimi, La Baie, Charlevoix region, Montmagny, Quebec City, Sorel and Montreal-East. Liquefaction of soft soils in the Ferland-et-Boilleau area. Eleven cases of soil movements reported. Only one felt aftershock. | Mitchell et al., http://earthquakescanada.nrcan.gc.ca/historic_eq/20th/saguenay88/saguenay88_e.php |
| 1989 | ** | 1989-12-25 | 14:24 | 1989-12-25 | 09:24 | E | Ungava Peninsula, Quebec. | 60.12 | -73.6 | B | 1 | 6.3 | M _S | 6.3 m _B ; 6.1 m _N ; M _w 6.2-6.5; m _B 6.2 (NEIC) | No | No | No | 0 | IV | The first earthquake in eastern North America to have produced surface faulting. No damage due to remoteness of epicentre from inhabited communities. Weakly felt in some northern Quebec communities. | Drysdale et al. http://earthquakescanada.nrcan.gc.ca/historic_eq/20th/ungava_e.php |
| 1990 | ** | 1990-10-19 | 07:01 | 1990-10-19 | 03:01 | E | Mont-Laurier, Quebec. | 46.47 | -75.59 | B | 13 | 5.0 | m _N | 4.9 M _L | No | No | No | 0 | | Some minor damage in Mont-Laurier (cracked chimneys, water pipes broken). Widely felt up to distances of 500 km. | Lamontagne et al., 1994 |
| 1992 | | 1992-01-02 | 16:40 | | | W | West of Vancouver Island, British Columbia. | 48.52 | -129.5 | B | 10 (F) 6.0 | M _S | | | No | No | No | 0 | | Not reported felt. | |
| 1992 | | 1992-01-04 | 00:56 | | | N | Franklin Lake, Northwest Territories. | 66.80 | -94.80 | B | 9 | 6.0 | m _B (L _g) | | No | No | No | 0 | | Weakly felt in Gjoa Haven and Baker Lake, Nunavut Territory. | Bent and Cassidy, 1993. |
| 1992 | | 1992-04-06 | 13:54 | 1992-04-06 | 05:54 | W | West of Vancouver Island, British Columbia. | 50.55 | -130.46 | B | 10 (F) 6.8 | M _S | 6.0 m _B | | No | No | No | 0 | IV | Felt mildly at Port Hardy and Port McNeill, British Columbia. | Natural Resources Canada earthquake database; Cassidy and Rogers 1994. |
| 1992 | | 1992-08-07 | 18:19 | | | W | Gulf of Alaska. | 57.41 | -142.9 | B | 10 (F) 6.6 | M _S | 6.4 M _L | | No | No | No | 0 | | Felt strongly in southeastern Alaska, felt mildly in southwestern Yukon and northwestern British Columbia | |
| 1993 | | 1993-08-03 | 07:19 | | | W | South of Queen Charlotte Islands, British Columbia. | 51.19 | -130.79 | B | 10 (F) 6.2 | M _w | 5.6M _L ; 5.5 m _B ; 6.1 M _S | | No | No | No | 0 | | Felt strongly on the Goose Group Islands and mildly at Bella-Bella, British Columbia. | |
| 1996 | | 1996-10-06 | 20:13 | | | W | West of Vancouver Island, British Columbia. | 48.80 | -128.41 | B | 10 (F) 6.3 | M _S | | | No | No | No | 0 | | Not reported felt. | |
| 1997 | * | 1997-11-06 | 02:34 | 1997-11-05 | 21:34 | E | Quebec City, Quebec. | 46.80 | -71.42 | A | 22 | 5.1 | m _N | | No | No | Yes | 0 | VII | Quebec City Region, near the Cap-Rouge suburb. Felt in Quebec City, Charlevoix, and Saguenay regions. Also reported felt in Ottawa Valley, Montreal, Maine, and Northern New York State. Minor damage reported in a school of the Quebec City region. | Nadeau et al., http://earthquakescanada.nrcan.gc.ca/recent_eq/1997/19971106.0234/index_e.php |
| 1998 | | 1998-08-30 | 11:33 | | | W | West of Vancouver Island, British Columbia. | 50.91 | -130.66 | B | 10 (F) 6.0 | M _S | | | No | No | No | 0 | | Not reported felt. | |
| 1999 | | 1999-03-16 | 12:50 | 1999-03-16 | 07:50 | E | Lower St Lawrence, Quebec. | 49.61 | -66.32 | B | 20 | 5.1 | m _N | | No | No | No | 0 | V | A few items knocked off shelves in Gros Morne, Quebec. Felt widely on north and south shores of the St Lawrence River to Quebec City. | Lamontagne et http://earthquakescanada.nrcan.gc.ca/recent_eq/1999/19990316.1250/index_e.php |
| 2000 | * | 2000-01-01 | 11:22 | 2000-01-01 | 06:22 | E | Kipawa, Quebec. | 46.84 | -78.92 | B | 12 | 5.2 | m _N | | No | No | Yes | 0 | VI | Témiscamingue Region, Quebec. Some reports of minor damage in the epicentral region. Felt in Témiscaming, Quebec, North Bay, Ontario, and as far away as Toronto. | Bent et al., 200 http://earthquakescanada.nrcan.gc.ca/recent_eq/2000/20000101.1122/index_e.php |
| 2000 | | 2000-01-06 | 10:42 | | | W | Coast of southeastern Alaska. | 58.07 | -136.81 | B | 10 (F) 6.4 | M _w | 6.1 M _L | | No | No | No | 0 | | Felt strongly in Alaska panhandle, felt mildly in southwestern Yukon and northwestern British Columbia | |
| 2001 | | 2001-02-17 | 20:11 | | | W | West of Queen Charlotte Islands, British Columbia. | 54.02 | -133.70 | B | 20 (F) 6.3 | M _w | 6.0 M _L | | No | No | No | 0 | | Felt throughout the Queen Charlottel Islands and along the north coast of British Columbia. | |
| 2001 | * | 2001-02-28 | 18:54 | 2001-02-28 | 10:54 | W | Southern Puget Sound, Washington. | 47.15 | -122.71 | B | 56 | 6.8 | M _w | 5.9 M _L | Yes | No | Yes (USA) | 0 | V | Southern Puget Sound, Washington. Felt strongly throughout Puget Sound, Seattle and vicinity. Felt as far away as Portland, Oregon, Kelowna, British Columbia and possibly Salt Lake City, Utah. Major structural damage in Olympia, Tacoma and Seattle, Washington. Very low-level damage in Victoria, British Columbia. | Natural Resou http://earthquakescanada.nrcan.gc.ca/recent_eq/2001/20010228.1854/index_e.php |
| 2001 | | 2001-09-14 | 04:45 | | | W | West of Vancouver Island, British Columbia. | 48.69 | -128.71 | B | 10 (F) 6.0 | M _w | | | No | No | No | 0 | | Not reported felt. | |
| 2001 | | 2001-10-12 | 05:02 | | | W | West of Queen Charlotte Islands, British Columbia. | 52.71 | -132.07 | B | 20 (F) 6.3 | M _w | 5.8 M _L ; 5.6 m _B ; 5.8 M _S | | No | No | No | 0 | | Felt throughout the Queen Charlotte Islands and along the north coast of British Columbia. | |
| 2002 | | 2002-04-20 | 10:50 | 2002-04-20 | 06:50 | E | Au Sable Forks, New York. | 44.53 | -73.73 | B | 10-13 | 5.5 | m _N | 5.0 M _w ; 5.3 m _B ; 4.2 M _S | Yes | No | Yes (USA) | 0 | VII (USA) | bridges and a rockfall was triggered. Felt widely in southern Quebec and eastern Ontario. | 2002; Pierre http://earthquakescanada.nrcan.gc.ca/recent_eq/2002/20020420.1050/index_e.php |
| 2002 | | 2002-11-03 | 22:12 | 2002-11-03 | 13:12 | N | Denali, Alaska. | 63.52 | -147.53 | B | 4 | 7.9 | M _w | 7.0 m _B ; 8.5 M _S | Yes | No | Yes (USA) | 0 | V | Extensive damage to roads and some damage to pipelines in Alaska. Felt moderately in western Yukon and mildly in northern British Columbia. western Northwest Territories and western Alberta. | United States Geological Survey website; Cassidy and Rogers, 2004. |
| 2003 | | 2003-07-12 | 23:01 | | | W | West of Queen Charlotte Islands, British Columbia. | 54.67 | -134.46 | B | 20 (F) 6.0 | M _w | 6.0 M _L ; 5.3 m _B ; 5.7 M _S | | No | No | No | 0 | | Felt throughout the Queen Charlotte Islands and along the north coast of British Columbia. | |
| 2004 | | 2004-06-28 | 09:49 | 2004-06-28 | 02:49 | W | Queen Charlotte Islands, British Columbia. | 54.80 | -134.25 | B | 20 | 6.8 | M _w | | No | No | No | 0 | IV | Felt mildly throughout the Queen Charlotte Islands and along the northwest coast of British Columbia. | Natural Resources Canada earthquake database |
| 2004 | | 2004-07-19 | 08:01 | 2004-07-19 | 01:01 | W | Offshore western Vancouver Island, British Columbia. | 49.47 | -127.25 | B | 23 | 6.4 | M _w | 5.9 M _L | No | No | No | 0 | IV | Southwest of Nootka Island, British Columbia. Felt on northern Vancouver Island, on central and southern Vancouver Island and the central coast, as well as the Sunshine Coast and Greater Vancouver. | Natural Resou http://earthquakescanada.nrcan.gc.ca/recent_eq/2004/20040719.0801/index_e.php |
| 2004 | | 2004-11-02 | 10:02 | | | W | West of Vancouver Island, British Columbia. | 49.15 | -129.0 | B | 10 (F) 6.6 | M _w | | | No | No | No | 0 | | Felt mildly on western Vancouver Island. | |
| 2005 | | 2005-03-06 | 06:17 | 2005-03-06 | 01:17 | E | Charlevoix-Kamouraska, Quebec. | 47.75 | -69.73 | A | 13 | 5.4 | m _N | | No | No | No | 0 | IV-V | Near Riviere-du-Loup. No damage but felt strongly in the regions of Charlevoix, Saguenay and Quebec City. Felt as far as the Ottawa valley, Montreal, Fredericton, New Brunswick, and Boston, Mass. | Natural Resou http://earthquakescanada.nrcan.gc.ca/recent_eq/2005/20050306.0617/index_e.php |

