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OPEN FILE 8221**

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westernmost continental craton**

**A.M. Farahbod and J.F. Cassidy**

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## Abstract

In this study we investigated coda-wave attenuation ( $Q_C$ ) in the interior of British Columbia, with a focus on stations in the eastern Cordillera and westernmost continental craton using records from 13 stations (short period and broadband) of the Canadian National Seismic Network (CNSN). Our dataset is comprised of 1832 earthquakes recorded between 1992 and 2017 with magnitudes ranging from 1.5 to 4.9, depths from 0 to 54 km (with the vast majority being  $<15$  km) and epicentral distances of 15 to 100 km. This gives a total of 1214 high signal-to-noise (S/N) traces ( $S/N \geq 5.0$ ) useful for  $Q_C$  calculation (with a range of ellipse parameter,  $a_2$ , of 20 to 100) across the region. Coda windows were selected to start at  $t_c = 2t_s$  (two times the travel time of the direct S wave), and were filtered at center frequencies of 2, 4, 8, 12 and 16 Hz. Our study reveals a consistent pattern. We find that in the interior of BC, the lowest  $Q_0$  values (e.g.,  $Q_0$  of 45) are at station BCBC at the western end of the Anahim Volcanic Belt. This is consistent with previous studies showing a low average  $Q_0$  of 53 ( $a_2$  of 30-50 km) for stations within that volcanic belt. The highest  $Q_0$  values that we find (e.g.,  $Q_0$  of 165) are at station BLBC, located on the western edge of the continental craton. Other stations in the interior of BC show intermediate values of  $Q_0$ . One surprising result is that FNBB and BMBC stations in northeast BC - also located on the western edge of the continental craton - show consistently low  $Q_0$  values (46-76 over the range of  $a_2$  from 20 to 70). Those stations were deployed in a region of hydraulic fracturing activity, and the low  $Q_0$  values may be partially attributed to fluids or fracturing in the uppermost crust.

## **Introduction**

Each year, nearly 2000 earthquakes are located in the province of British Columbia. The majority of these events are located along the Pacific coast (in the offshore region that extends from northern Vancouver Island to Haida Gwaii, or in the Cascadia subduction zone). In contrast, the central interior of British Columbia is one of the most seismically quiescent areas of the province. For example, in more than 40 years of earthquake monitoring, few earthquakes have been detected or located in the vicinity of the Nechako basin [Cassidy et al., 2007].

In recent years, detailed coda Q attenuation studies have been conducted in the Cascadia subduction zone of southwestern BC (Farahbod et al., 2016) and in the vicinity of the Anahim volcanic Belt in the interior of BC (Farahbod and Cassidy, 2016). However, coda Q attenuation in the eastern Cordillera and westernmost craton has never been investigated. In this study, we examine seismic attenuation characteristics of the interior and eastern BC and westernmost Alberta based upon seismic data collected by the Canadian National Seismic Network (CNSN) from 1992 to 2017. The single scattering approximation (Sato, 1977) using *S*-Wave coda is applied; the attenuation and frequency dependency for different paths and the correlation of the results with the geotectonic of the region will be presented.

## **Geology and tectonic setting**

The complex geology of BC is a function of its location on the western edge of the North American continent and the eastern rim of the Pacific Ocean. There are five morpho-geological belts that define the geology of British Columbia from east to west: The Foreland, Omineca, Intermontane, Coast and Insular Belt (Figure 1). Each one has different metamorphic, physiographic, metallogenic and tectonic histories.

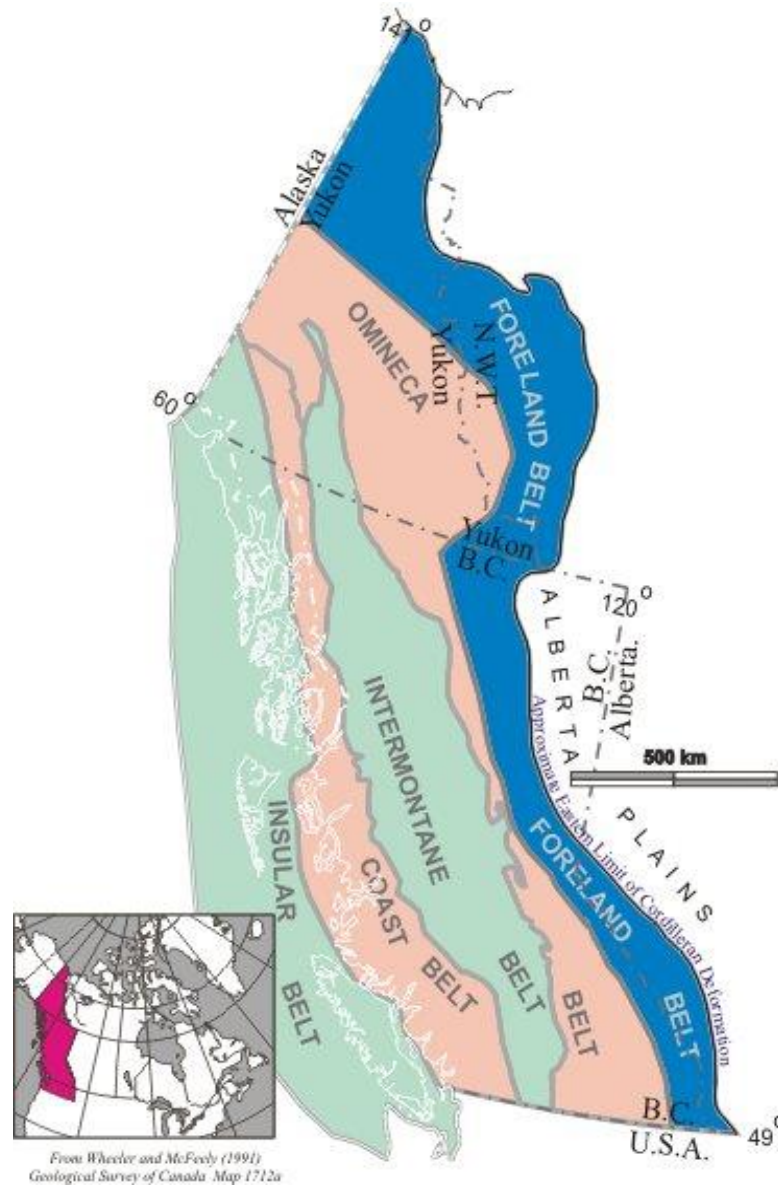
The Foreland Belt is composed of weakly metamorphosed sedimentary rocks which are 1.4 billion to 33 million years old. During the break up of Pangea during the Jurassic (~180 Ma.) the North American continent began to move westward, accreting terranes which lay just off the coast of the continent. These terranes were squeezed between the subducting oceanic lithosphere off the coast of North America, and the wedge shaped North American Craton. These terranes were squeezed upwards and downwards which resulted in the detachment of the thick miogeoclinal sequences deposited during the late Proterozoic and Paleozoic from the cratonic basement. These sequences were upthrust onto the edge of the North American Craton forming the Foreland Belt (Welford et al., 2001).

The Omenica Belt is composed of highly metamorphosed, pericratonic (near craton) terranes on the edge of the North American craton not far from the continental margin that are 2 billion to 180 million years old. Terranes in the belt include the Slide Mountain terrane, the Yukon-Tanana terrane and the Cassiar terrane. This belt goes from low hills to high mountains across its length, and today represents the once deeply buried roots of this ancient magmatic arc assemblage (Monger and Price, 2002).

The Intermontane Belt is a flatter, more rounded region composed of the Cache Creek, Quesnellia, and Stikine terranes. In this belt, lightly metamorphosed former island arcs and ocean basins accreted onto the continent 180 to 175 million years ago, and intruded by plateau basalts 10 million years ago. Volcanic activity has been recorded as occurring in the past 10,000 years, including in the Nazko Cone.

The Coast Belt is the suture zone between the Intermontane Belt and the Insular Belt and it contains heavily metamorphosed fragments of both the terranes. In the southeast there is a series of small terranes of both oceanic (Bridge River and Chilliwack) and continental affinity (Jack Konat Mountain, Ladner). The western mountains (Coast and Cascade Mountains and the Mount Saint Elias range) are rugged areas of high relief.

The Insular Belt forms the offshore islands (including Vancouver Island, the Gulf Islands, Haida Gwaii and the Alexander Archipelago in Alaska). It is composed of the Wrangel, Alexander, Chugach, Yukatat terranes and a few smaller ones such as the Pacific Rim terrane. The Insular Belt is the most tectonically active of the belts with the ages from 600 million years to recent and the greatest relief differences from the depths of the Queen Charlotte sound to the heights of the Wrangell–St. Elias Mountains.

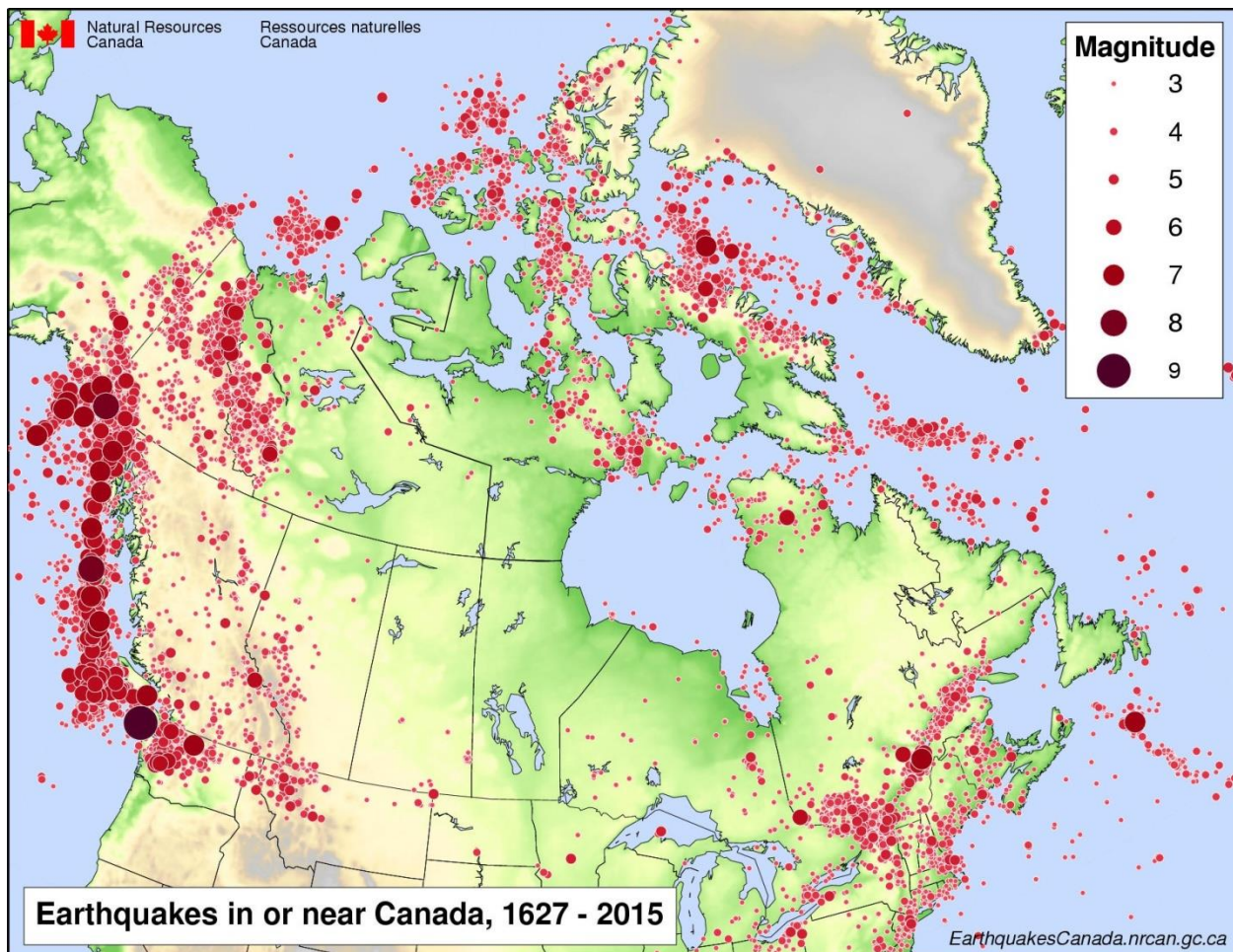


**Figure 1:** Morpho-geological belts that define the geology of British Columbia (map: Courtesy of the Geological Survey of Canada, 2005; adopted from Wheeler and McFeely, 1991).

## BC Seismicity

Each year, seismologists with the Geological Survey of Canada record ~2000 earthquakes along the Pacific Coast which is the most earthquake-prone region of Canada (Figure 2). The west coast of Canada is one of the few areas in the world where all three types of plate movements (convergent, divergent and transform) take place, resulting in significant earthquake activity. Earthquakes in this region occur along the faults in the offshore region (e.g., the M=8.1 Haida Gwaii earthquake of 1949); within the subducting ocean plate (e.g., a magnitude 6.8 earthquake beneath the Seattle-Tacoma region in 2001); and within

the continental crust (e.g., a magnitude 7.3 earthquake on central Vancouver Island in 1946). Moving inland from the coast (and the active plate boundaries), the frequency and size of the earthquakes decreases. However, seismicity (both frequency and magnitude) increases again (Cassidy et al., 2010) in both the eastern foothill of the Rocky Mountains and the Nahanni and McKenzie Mountains of the Yukon and western NWT.



**Figure 2:** Earthquake map of Canada (Courtesy of the Natural Resources Canada).

### The coda $Q$ method

In this study, we determine the coda  $Q$  factor for central and eastern British Columbia and westernmost Alberta using the single backscattering approximation, which explains the decay of earthquake coda under the assumption of weak isotropic scattering from homogeneously distributed heterogeneities [Aki, 1969; Aki & Chouet, 1975; Sato 1977]. The coda waves are assumed to comprise S-to-S backscattered waves, which do not produce secondary scattering when encountering another



scatterer and the measured coda  $Q$ , ( $Q_C$ ) depends on both intrinsic and scattering attenuation [Aki & Chouet, 1975; Wu & Aki, 1988]. The coda wave amplitude at frequency  $f$ , and lapse time  $t$  (time from the event origin) is described by

$$A(f, t) = S(f)t^{-\nu}e^{-\pi ft/Q_C} \quad (1)$$

where  $S(f)$  is the source factor which is related to the earthquake's source spectrum and includes station site, backscattering, and source effects [Wu & Aki, 1988]. The geometrical spreading parameter  $\nu$  is 1, 0.5 and 0.75 for body-wave scattering (this study), surface wave scattering, and diffusion, respectively [Aki & Chouet, 1975]. Equation (1) assumes that the source and receiver are at the same point, a good approximation only for signals at a lapse time,  $t$ , greater than 2 times the travel time of the direct S wave,  $t_s$  [Rautian & Khalturin, 1978; Sato, 1977]. Equation (1) for body-wave can be written as:

$$\ln(A(f, t)) + \ln(t) = \ln(S(f)) - \pi ft/Q_C \quad (2)$$

so that,  $Q_C$  can be obtained by linear regression of  $\ln(A(f, t))$  on  $t$  over a coda time window at a constant frequency  $f$ . In practice,  $A(f, t)$  is obtained by bandpass-filtering the coda signal over a narrow passband centered on frequency  $f$  and fitting a time decay envelope to the filtered signal [Rautian & Khalturin, 1978]. When many decay curves are available for the same region, all data can be inverted simultaneously to obtain one  $Q_C$  value [Aki & Chouet, 1975; Havskov et al., 1989]. Obtaining one  $Q$  value for each decay curve and averaging  $Q^{-1}$  values gives the same result [Kvamme, 1985]. This latter method has the additional advantages of faster computation and the ability to check the fit to equation (2) to eliminate bad results [Havskov et al., 1989].

Assuming that the coda window starts at  $t_1=2t_s$ , the end time  $t_2$  controls the maximum size of the volume sampled by the backscattered waves [Zelt et al., 1999]. The sampling volume is one-half of a three-dimensional ellipsoid, with the source and receiver as focal points, semi-major axis  $a_1 = V_s t/2$  and semi-minor axis  $a_2 = (a_1^2 - R^2/4)^{1/2}$ , where  $V_s$  is the average S-wave velocity (3.5 km/sec) and  $R$  is the station-event separation [Pauli, 1984]. For similar  $a_1$  and  $a_2$ , the sampled volume is nearly a sphere and the maximum depth sampled is approximately given by  $Z_{\max} = a_2 + d/2$ , where  $d$  is the event depth [Havskov et al., 1989; Zelt et al., 1999].

Practically, to make meaningful comparisons of  $Q_C$  from different regions, it is important to make estimates of the volumes sampled by different stations. The average sampling volume can be determined by setting  $t = (t_1 + t_2)/2$  in the equation for  $a_1$  [Havskov et al., 1989]. Therefore, by varying  $t_2$ , it is possible to ensure that the volumes being sampled by each event-station combination are approximately the same [Zelt et al., 1999].

## Data and Analysis

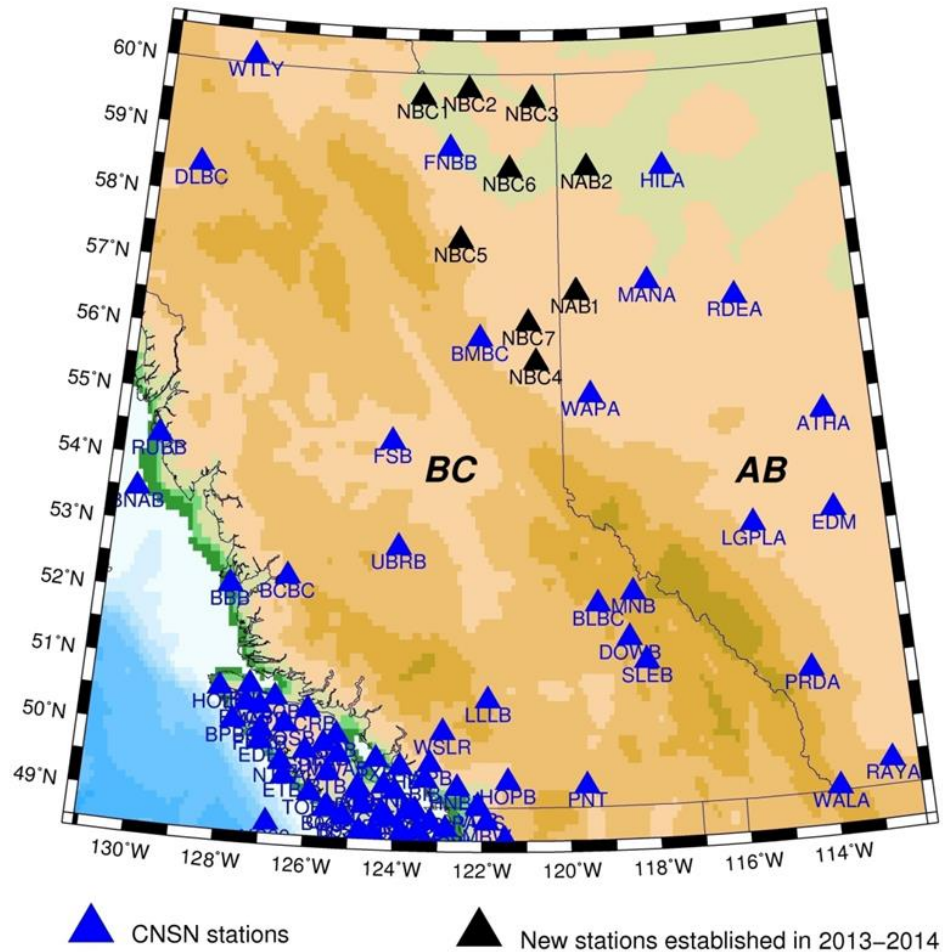
For calculating  $Q_C$ , we used seismic waveform data from 13 short period and broadband CNSN sites (BCBC, BLBC, BMBC, DLBC, DOWB, FNBB, FSB, LLLB, MNB, PNT, SLEB, UBRB and WALA) in the interior of BC and westernmost Alberta (Figure 3). These data have sampling rates of either 100 Hz or 40 Hz, and a flat frequency response from 1 to 16 Hz. Maps of event-station configurations are provided (in Appendix 1) for selected earthquakes in a radius of 100 km around each seismic station. In one case, due to unavailability of new data within 100 km of the station UBRB, we refer interested readers to our previous open file report (Farahbod & Cassidy, 2016) for more information about  $Q_C$  estimates around this station. Frequency-magnitude distribution of selected earthquakes for each station is provided in Appendix 2.

Our dataset (Appendix 1) comprises 1832 events recorded between 1992 and 2017 with magnitudes ranging from 1.5 to 4.9, depths from 0 to 54 km (with the vast majority being less than 15 km) and epicentral distances of 15 to 100 km. This provided a total of 1214 high signal-to-noise traces ( $SN \geq 5.0$ ) useful for  $Q_C$  calculation; however, the number of traces actually used for analysis depends on sampling size. The coda window length used in this study is 20 seconds except for epicentral distances less than 30 km which is 10 sec.

For each event-station combination, we picked P-wave and S-wave arrivals (Figure 4) and relocated earthquakes considering a velocity model used for standard earthquake locations in this region. Then we calculated  $Q_C$  at five frequencies between 2 and 16 Hz using equation (2). The frequency dependence of  $Q_C$  can be expressed as  $Q_C = Q_0 f^\alpha$  [Rautian & Khalturin, 1978];  $Q_0$  ( $Q_C$  at 1 Hz) and  $\alpha$ , are obtained by linear regression of  $\log(Q_C)$  on  $\log(f)$ . For each station,  $Q_C$  is determined by averaging the calculated values from all events.

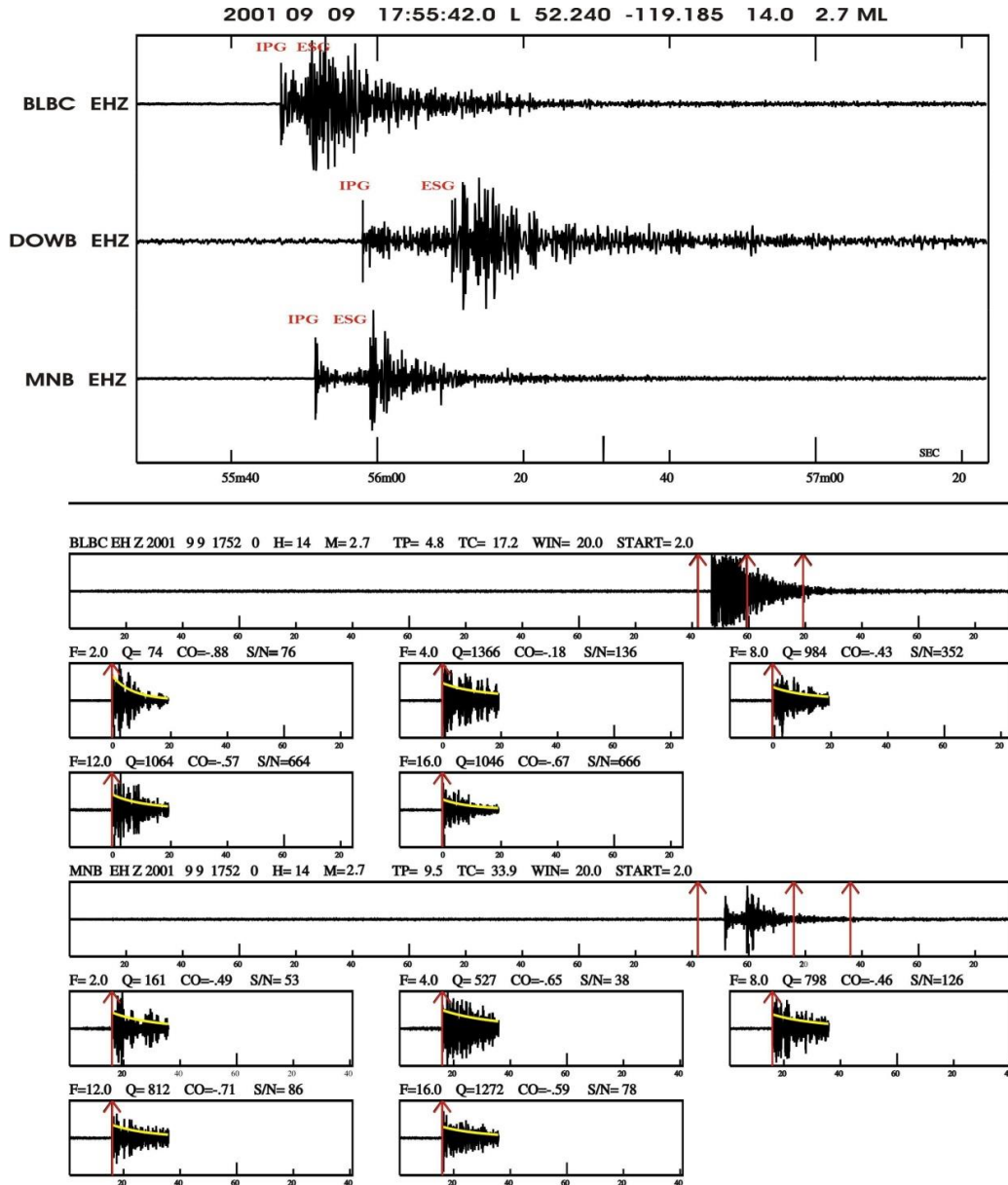
In general,  $Q_C$  increases with lapse time which likely is a result of including a greater volume of less complex upper mantle material in the sampling volume [Pauli, 1984 & Zelt et al., 1999]. Therefore, in order to reduce sampling size and to ensure that approximately equivalent volumes are sampled at each

station used to calculate  $Q_C$ , we fixed  $a_2$  and average of maximum lapse time to specific values. These values are selected based on the location distribution of earthquakes around the stations.



**Figure 3:** Seismograph stations in the province of British Columbia and western Alberta. Data for this study were acquired from the old CNSN stations (blue triangles) in the interior of BC including BCBC, BLBC, BMBC, DLBC, DOWB, FNBB, FSB, LLLB, MNB, PNT, SLEB, UBRB and also WALA in the BC - Alberta border.

We used the computer program SEISAN [Havskov and Ottemöller, 2012] to calculate coda  $Q$ . The program calculates  $Q_C$  for a series of events and stations at five frequencies (2, 4, 8, 12 and 16 Hz). On completion, the average values are calculated and a  $Q_C$  versus  $f$  curve is fit to the calculated values [Havskov and Ottemöller, 2010]. The program also plots the individual events and filtered coda windows (Figure 3).

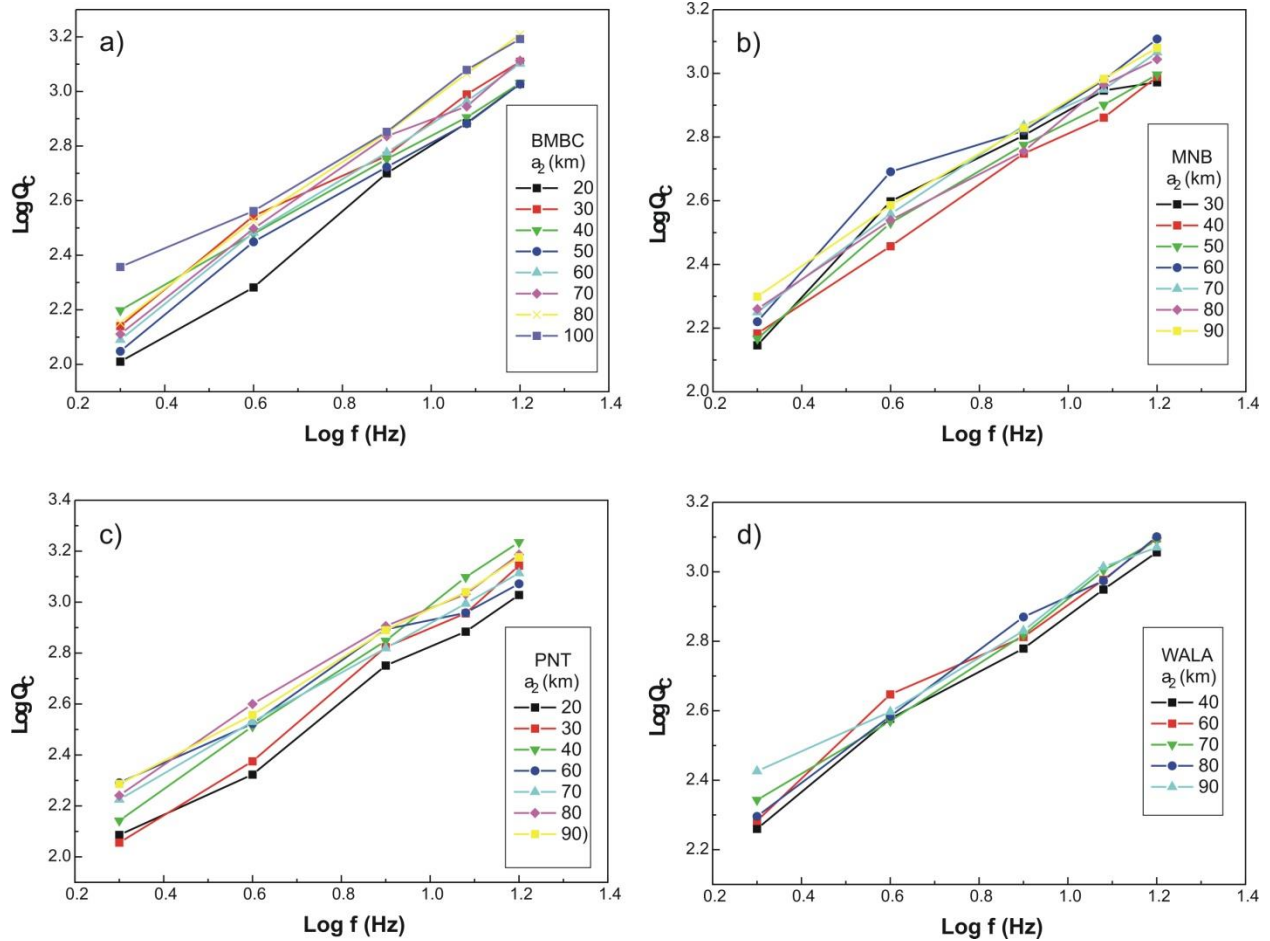


**Figure 4:** Data processing example for an earthquake on September 9, 2001. The first step is a visual inspection of available waveforms and the selection of the closest stations to the event (only stations within 100 km are shown) with the highest SN ratio (top). In the bottom panel, for each station (if  $SN \geq 5.0$ ), the top trace is the original unfiltered waveform where the 3 vertical lines indicate (from left) origin time, start and end of coda window. Above the seismogram is first the station code, origin time, depth (h), magnitude (ML), P-wave travel time (TP, s), start of coda window from the origin (TC, s), window length (WIN, s) and start of coda window in terms of S-wave travel time ( $t_{\text{coda}} > ST * S\text{-travel time}$ ). The amplitude decay corresponding to estimation parameters (f: frequency, C: correlation coefficient and SN: signal-to-noise ratio) are shown by the yellow curve in the five filtered segment.

## Coda Q Results

In order to make a regional comparison of  $Q_C$  over the study area, it is necessary to use the shortest possible event-station paths. This, rules out simply selecting all the data with high signal-to-noise ratio. Therefore, we calculated  $Q_C$  at different stations by using different sets of ellipse parameter  $a_2$  (20-100 km) and lapse time (12-60 sec) with maximum sampling depth (on average) between 23 km and 107 km (Tables 1 and 2). Coda Q estimates based on one event only are not considered in this study. The corresponding estimated  $Q_0$  error for each station with five or more events ranges from 4 to 17 (bold values in Table 1). Error in frequency dependency factor ( $\alpha$ ) varies between 0.01 and 0.12 (Table 2).

Overall, there is an increase in  $Q_0$  values with increasing sampling volume. This trend is clearly observed in  $Q_C$  plots (Figure 5) as a function of frequency for different sampling volumes for select stations with the highest number of measurements. Our estimated  $Q_0$  values (with five or more events used for each estimate) are the lowest at station BCBC ( $Q_0 = 45$ ,  $a_2 = 30$  km) in the Anahim volcanic belt (west of the Nazko cone). The highest  $Q_0$  value is observed at station BLBC on the western edge of the continental craton ( $Q_0 = 165$ ,  $a_2 = 90$  km). In addition,  $Q_0$  values at station BMBC in the Bull Mountain (Montney Basin) and station FNBB in northeast BC (in the Horn River Basin) are clearly the lowest in the range of  $a_2 = 50$ -80 km. Less reliable estimates (with at least three events for each measurement) indicate high  $Q_0$  values at station DOWB, MNB and WALA located on the westernmost edge of the continental craton. Comparing the distributions of  $Q_0$  and  $\alpha$ , an inverse correlation is observed over all the study area.



**Figure 5:** Logarithmic plots of coda  $Q$  with frequency and different ellipse parameters (between  $a_2=20$  km and  $a_2=100$  km) at four stations with the highest number of observations (a: BMBC, b: MNB, c: PNT and d: WALA).

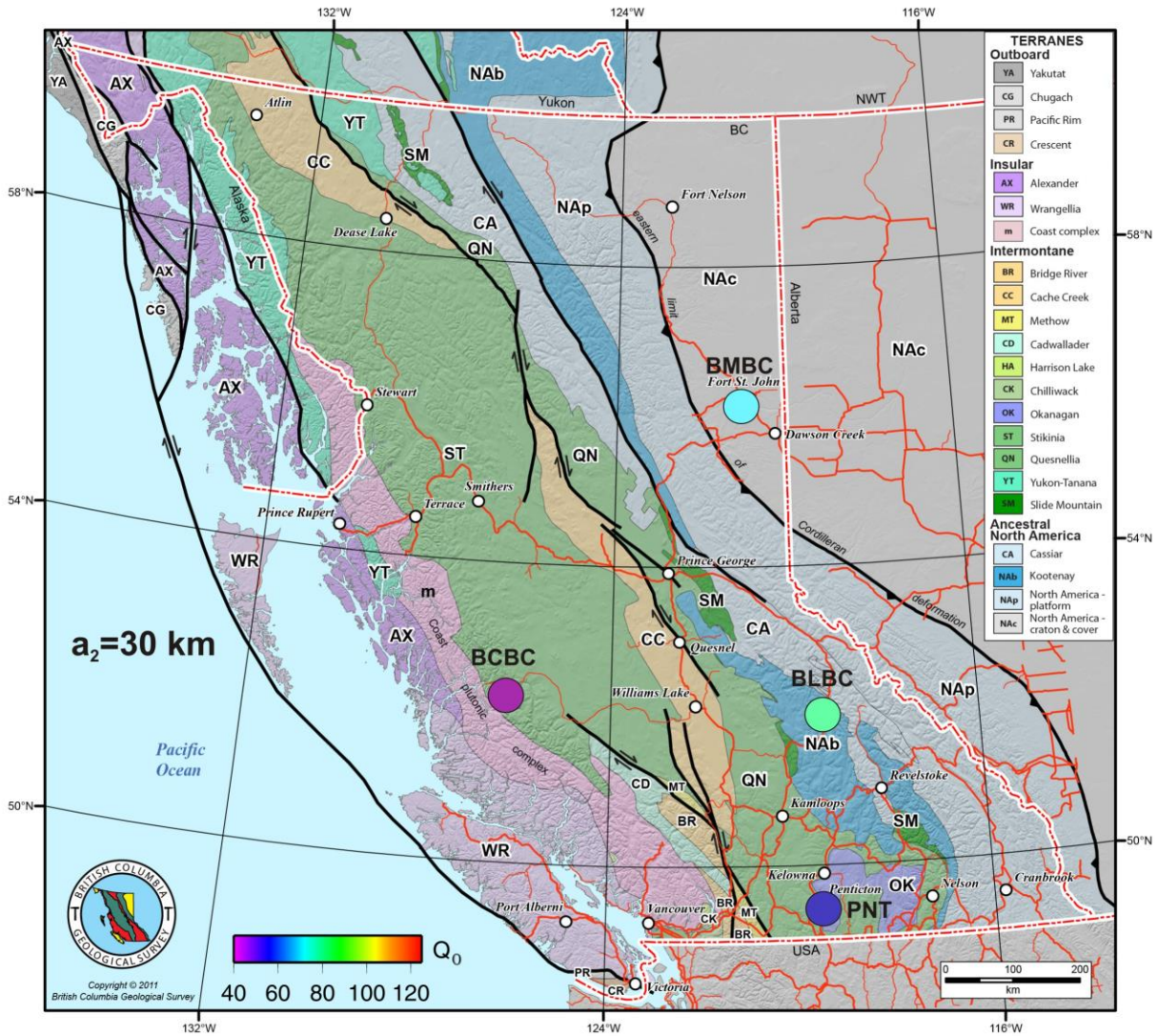
## Summary and conclusions

We investigated coda-wave attenuation in the interior of British Columbia and the westernmost continental craton using the single scattering approximation on records from short period and broadband stations of the regional Canadian National Seismic Network. Coda windows were selected to start at  $t_c = 2t_S$  and were filtered at center frequencies of 2, 4, 8, 12 and 16 Hz. We estimated coda  $Q$  for stations in a vast area covering a wide range of tectonic settings (Figures 6 - 8). The lowest  $Q_0$  of 45 ( $t_{\text{lapse}}=20$  sec, station BCBC) was observed in the Anahim volcanic belt (Stikinia terrane, Figure 6). The highest  $Q_0$  of 165 ( $t_{\text{lapse}}=54$  sec, station BLBC) is on the western flank of the stable North America craton (NAc, Figure 7). We note that Woodgold (1990) found very high values of  $Q_0$  (480-770) in the stable craton of eastern North America. Other high  $Q_0$  values are observed mainly in the North America platform

(Nap, Figure 7) in eastern BC. In this regard, there are two exceptional stations, FNBB and BMBC. Despite a fairly stable location on the NAc, they represent relatively low  $Q_0$  estimates. There is a general consensus that the observed seismicity around FNBB in the Horn River Basin is mainly induced or triggered by hydraulic fracturing operations (Farahbod et al., 2015). This technique is an unconventional method for extracting Oil and Gas in which rock is fractured by a pressurized liquid and is widely used in northeast BC in recent years.

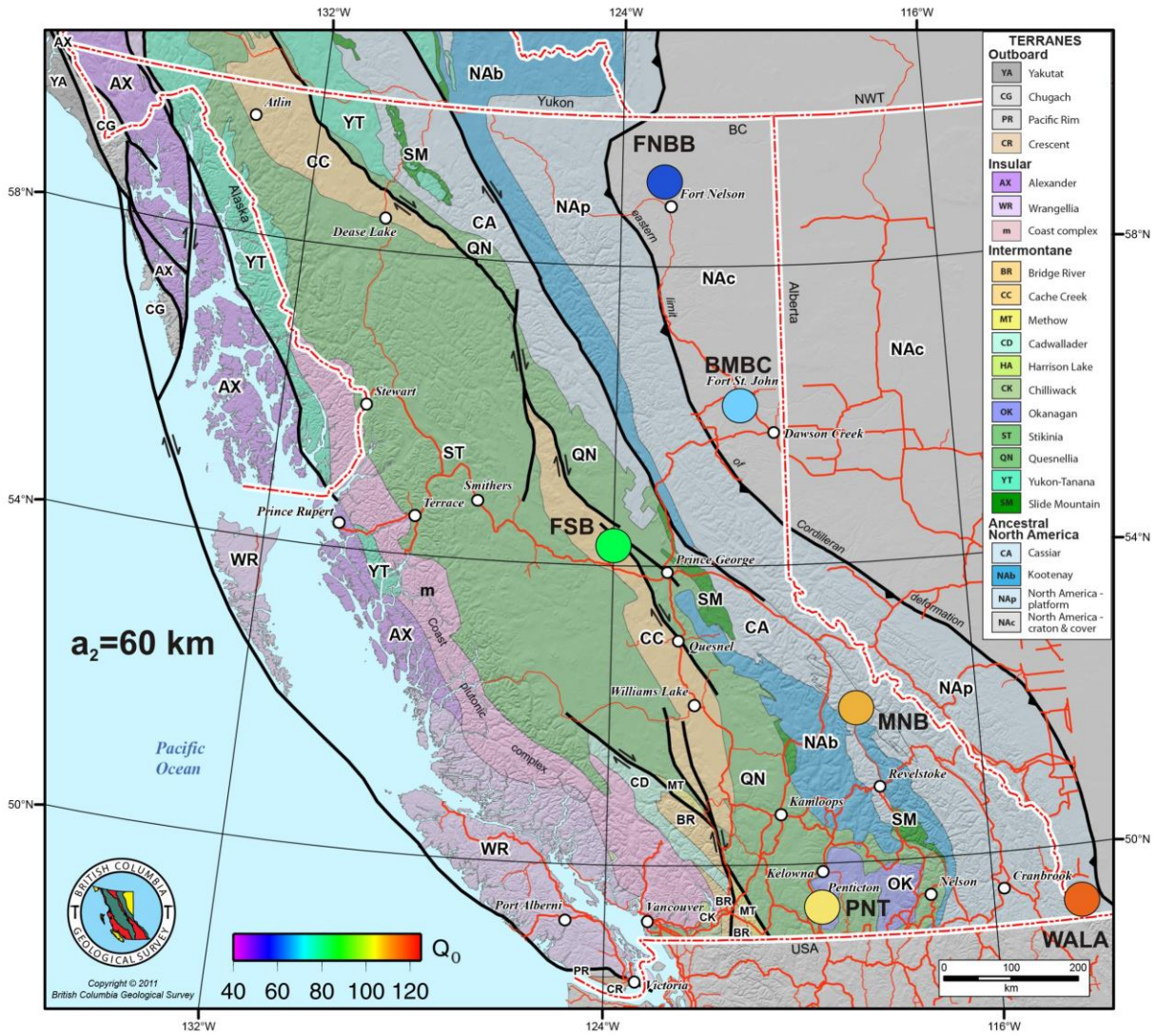
We note that oil and gas extraction began in the 1950s in the Montney basin (around station BMBC) using conventional methods (Figure 9). More recently, hydraulic fracturing operations and waste water injection have triggered and induced many events in this area as well. These earthquakes are mainly characterized by an estimated shallow depth (0-10 km) and are located near injection wells. In this study, our  $Q_0$  estimates at station BMBC in the range of  $a_2= 30-70$  km, are among the most reliable results in BC, in terms of the number of observations. Fairly constant  $Q_0$  values ( $\sim 60$ ) in the range of  $a_2= 50-70$  (that is different from most of the other  $Q$  studies which in general indicate higher  $Q$  with increase of lapse time) and spatial coincidence with the highest density of possibly induced events around BMBC may confirm the effect of fluid injection into the upper crust during the operation completion. This is a topic of future detailed study.



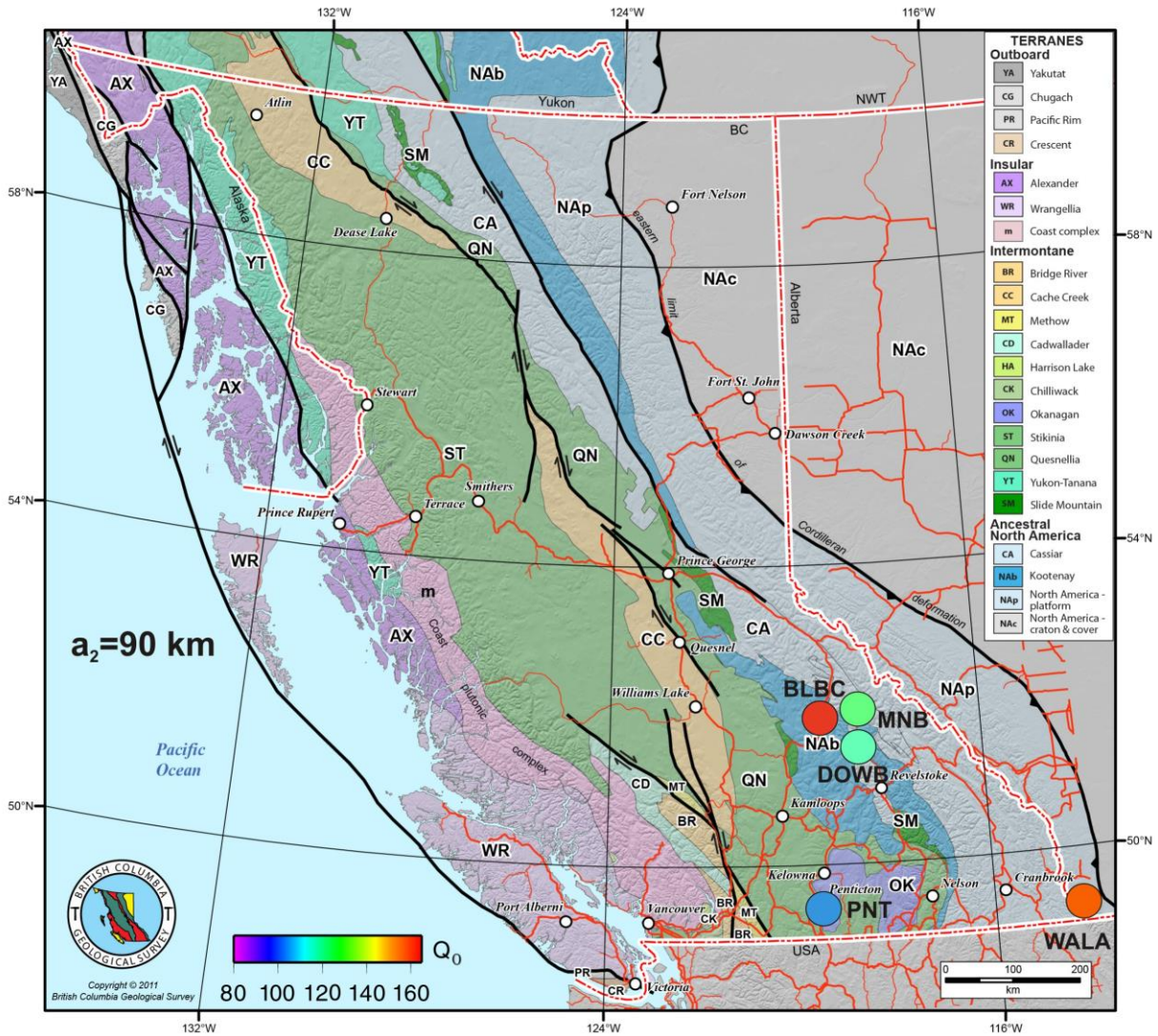


**Figure 6:** Map of  $Q_0$  variations with five or more events used for each estimate and ellipse parameter  $a_2=30$  km, superimposed on the tectonic map of BC (original map: courtesy of the Geological Survey of BC).



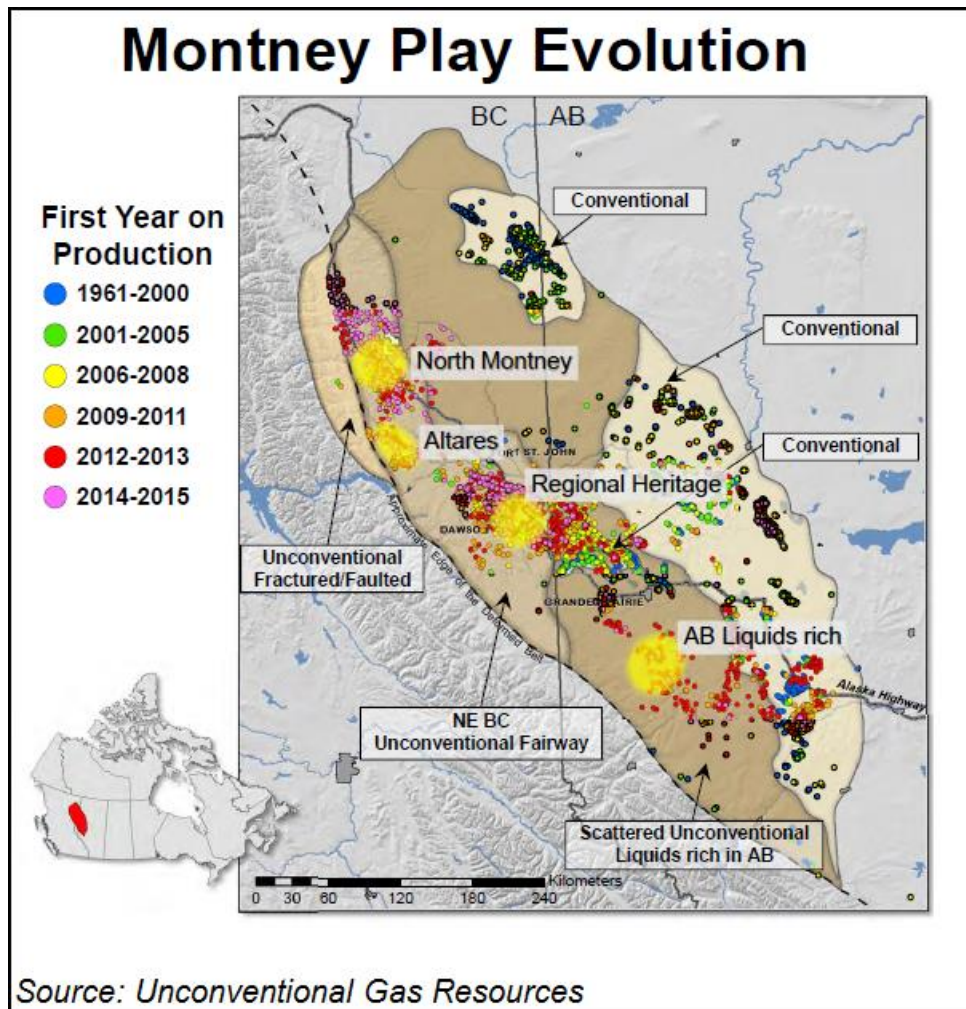


**Figure 7:** Map of  $Q_0$  variations with five or more events used for each estimate and ellipse parameter  $a_2=60$  km, superimposed on the tectonic map of BC (original map: courtesy of the Geological Survey of BC).



**Figure 8:** Map of  $Q_0$  variations with five or more events used for each estimate and ellipse parameter  $a_2=90$  km, superimposed on the tectonic map of BC (original map: courtesy of the Geological Survey of BC)





**Figure 9:** Evolution of Oil and gas production in the Montney Basin (map: Courtesy NGI; <http://www.naturalgasintel.com/montneyinfo>)

**Table 1:** Average  $Q_0$  and estimated uncertainties for different sampling volumes. Number of events is given in parentheses after each estimated value. Values based on more than 4 data points are highlighted in bold.

Station	$Q_0 \pm \text{error}$ ( $a_2=20 \text{ km}$ , $t_{\text{lapse}}=12\text{s}$ )	$Q_0 \pm \text{error}$ ( $a_2=30 \text{ km}$ , $t_{\text{lapse}}=18 \text{ s}$ )	$Q_0 \pm \text{error}$ ( $a_2=40 \text{ km}$ , $t_{\text{lapse}}=24 \text{ s}$ )	$Q_0 \pm \text{error}$ ( $a_2=50 \text{ km}$ , $t_{\text{lapse}}=30 \text{ s}$ )	$Q_0 \pm \text{error}$ ( $a_2=60 \text{ km}$ , $t_{\text{lapse}}=36 \text{ s}$ )	$Q_0 \pm \text{error}$ ( $a_2=70 \text{ km}$ , $t_{\text{lapse}}=42 \text{ s}$ )	$Q_0 \pm \text{error}$ ( $a_2=80 \text{ km}$ , $t_{\text{lapse}}=48 \text{ s}$ )	$Q_0 \pm \text{error}$ ( $a_2=90 \text{ km}$ , $t_{\text{lapse}}=54 \text{ s}$ )	$Q_0 \pm \text{error}$ ( $a_2=100 \text{ km}$ , $t_{\text{lapse}}=60\text{s}$ )
BCBC	47 ± 15(3)	<b>45 ± 17(6)</b>	-	-	-	-	-	-	-
BLBC	-	<b>79 ± 8(23)</b>	93 ± 10(3)	<b>90 ± 11(6)</b>	125 ± 13(3)	112 ± 8(3)	148 ± 6(3)	<b>165 ± 4(7)</b>	145 ± 9(2)
BMBC	<b>46 ± 9(9)</b>	<b>71 ± 7(18)</b>	<b>76 ± 4(42)</b>	<b>59 ± 6(48)</b>	<b>66 ± 4(59)</b>	<b>70 ± 8(18)</b>	<b>69 ± 9(9)</b>	-	<b>115 ± 5(8)</b>
DLBC	-	-	-	-	-	-	<b>116 ± 8(5)</b>	-	-
DOWB	-	136 ± 6(2)	-	-	107 ± 10(4)	<b>105 ± 12(7)</b>	113 ± 8(4)	<b>118 ± 6(13)</b>	154 ± 12(4)
FNBB	-	-	-	<b>46 ± 11(7)</b>	<b>52 ± 6(6)</b>	<b>71 ± 2(36)</b>	<b>68 ± 11(11)</b>	-	-
FSB	-	-	70 ± 23(2)	85 ± 12(3)	<b>88 ± 15(6)</b>	<b>100 +/- 5(9)</b>	<b>102 ± 8(11)</b>	-	-
LLLB	29 ± 11(4)	-	93 ± 7(2)	86 ± 5(3)	123 ± 4(3)	131 +/- 9(2)	-	126 ± 6(2)	-
MNB	-	90 ± 19(3)	84 ± 8(4)	87 ± 11(4)	<b>109 ± 16(19)</b>	<b>110 +/- 5(6)</b>	<b>115 ± 6(5)</b>	<b>124 ± 8(8)</b>	<b>134 ± 13(5)</b>
PNT	<b>60 ± 10(6)</b>	<b>55 ± 9(20)</b>	60 ± 11(3)	54 ± 19(3)	<b>106 ± 11(6)</b>	86 +/- 6(4)	<b>96 ± 9(10)</b>	<b>102 ± 6(7)</b>	-
SLEB	-	134 ± 9(3)	101 ± 12(2)	<b>117 ± 9(6)</b>	135 ± 7(3)	-	128 ± 16(2)	167 ± 5(3)	138 ± 6(3)
WALA	-	-	105 ± 10(3)	-	<b>113 ± 6(8)</b>	<b>111 +/- 4(6)</b>	<b>114 ± 11(7)</b>	<b>153 ± 11(6)</b>	-

**Table 2:** Average  $\alpha$  values and estimated uncertainties and average  $Z_{max}$  for different sampling volumes.

Station	$\alpha \pm$ error ( $a_2=20$ km, $t_{lapse}=12$ s)	$\alpha \pm$ error ( $a_2=30$ km, $t_{lapse}=18$ s)	$\alpha \pm$ error ( $a_2=40$ km, $t_{lapse}=24$ s)	$\alpha \pm$ error ( $a_2=50$ km, $t_{lapse}=30$ s)	$\alpha \pm$ error ( $a_2=60$ km, $t_{lapse}=36$ s)	$\alpha \pm$ error ( $a_2=70$ km, $t_{lapse}=40$ s)	$\alpha \pm$ error ( $a_2=80$ km, $t_{lapse}=48$ s)	$\alpha \pm$ error ( $a_2=90$ km, $t_{lapse}=54$ s)	$\alpha \pm$ error ( $a_2=100$ km, $t_{lapse}=60$ s)
BCBC	0.97 $\pm$ 0.10	1.09 $\pm$ 0.11	-	-	-	-	-	-	-
BLBC	-	0.93 $\pm$ 0.05	0.85 $\pm$ 0.08	0.95 $\pm$ 0.10	0.70 $\pm$ 0.09	0.80 $\pm$ 0.04	0.76 $\pm$ 0.04	0.74 $\pm$ 0.03	0.80 $\pm$ 0.05
BMBC	1.13 $\pm$ 0.02	1.04 $\pm$ 0.06	0.98 $\pm$ 0.04	1.05 $\pm$ 0.07	1.08 $\pm$ 0.02	1.05 $\pm$ 0.07	1.08 $\pm$ 0.07	-	0.94 $\pm$ 0.05
DLBC	-	-	-	-	-	-	0.76 $\pm$ 0.08	-	-
DOWB	-	0.75 $\pm$ 0.03	-	-	0.84 $\pm$ 0.07	0.83 $\pm$ 0.06	0.89 $\pm$ 0.05	0.83 $\pm$ 0.04	0.72 $\pm$ 0.01
FNBB	-	-	-	1.29 $\pm$ 0.09	1.22 $\pm$ 0.05	1.09 $\pm$ 0.02	1.16 $\pm$ 0.12	-	-
FSB	-	-	1.10 $\pm$ 0.17	0.87 $\pm$ 0.08	0.97 $\pm$ 0.09	0.85 $\pm$ 0.04	0.84 $\pm$ 0.02	-	-
LLLB	1.44 $\pm$ 0.13	-	0.94 $\pm$ 0.07	0.84 $\pm$ 0.01	0.82 $\pm$ 0.02	0.71 $\pm$ 0.10	-	0.84 $\pm$ 0.06	-
MNB	-	0.90 $\pm$ 0.11	0.88 $\pm$ 0.02	0.90 $\pm$ 0.05	0.87 $\pm$ 0.12	0.86 $\pm$ 0.04	0.83 $\pm$ 0.04	0.83 $\pm$ 0.06	0.66 $\pm$ 0.11
PNT	1.03 $\pm$ 0.05	1.14 $\pm$ 0.05	1.21 $\pm$ 0.07	1.26 $\pm$ 0.19	0.89 $\pm$ 0.06	0.98 $\pm$ 0.01	0.99 $\pm$ 0.06	0.97 $\pm$ 0.02	-
SLEB	-	0.77 $\pm$ 0.02	0.80 $\pm$ 0.09	0.85 $\pm$ 0.09	0.73 $\pm$ 0.06	-	0.88 $\pm$ 0.15	0.58 $\pm$ 0.06	0.75 $\pm$ 0.04
WALA	-	-	0.86 $\pm$ 0.11	-	0.85 $\pm$ 0.05	0.86 $\pm$ 0.01	0.87 $\pm$ 0.05	0.74 $\pm$ 0.05	-
Ave. $Z_{max}$	23 $\pm$ 6 km	34 $\pm$ 4 km	45 $\pm$ 5 km	54 $\pm$ 5 km	63 $\pm$ 6 km	75 $\pm$ 6 km	84 $\pm$ 7 km	96 $\pm$ 5 km	107 $\pm$ 6 km

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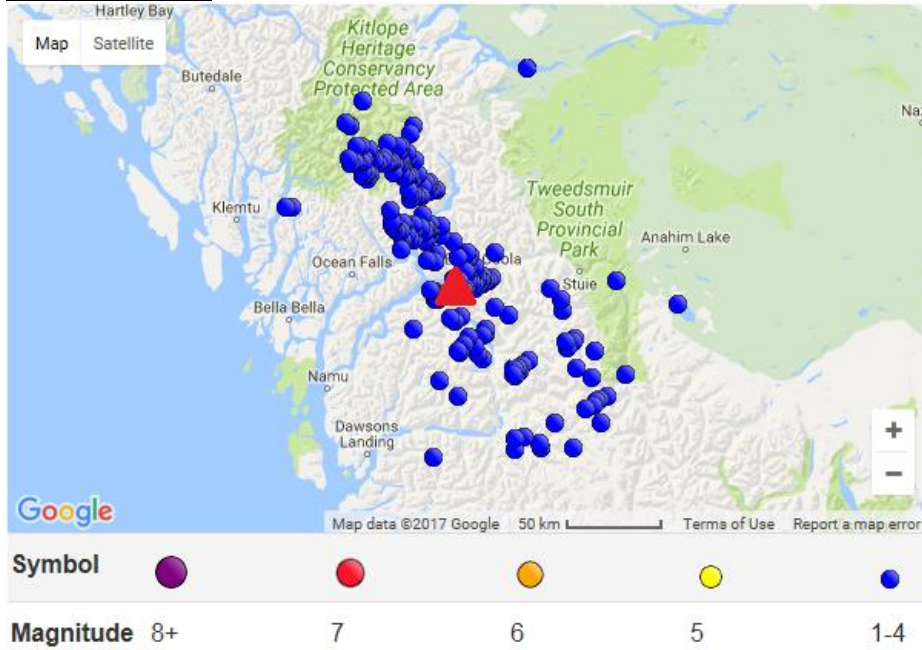
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## Appendix 1

### Earthquake source locations (by station)

#### Station: BCBC



Station: BCBC Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 20070101.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
2007/08/05	18:58:04	52.292	-126.721	1.0g	1.9ML
2007/08/05	23:34:42	52.461	-127.329	1.0g	3.2ML
2007/08/06	01:35:30	52.530	-127.260	1.0g	1.9ML
2007/08/06	01:36:47	52.500	-127.258	1.0g	2.1ML
2007/08/08	10:14:24	52.291	-126.766	1.0g	1.8ML
2007/08/08	10:17:53	52.289	-126.717	1.0g	2.3ML
2007/08/09	00:30:29	52.279	-126.836	1.0g	1.6ML
2007/08/11	06:00:06	52.398	-126.846	1.0g	2.1ML
2007/08/11	16:16:26	52.260	-126.834	1.0g	1.6ML
2007/08/11	22:40:47	52.245	-126.891	1.0g	1.6ML
2007/08/11	23:22:52	52.285	-126.789	1.0g	1.6ML
2007/08/12	01:39:59	52.301	-126.698	1.0g	2.0ML
2007/08/12	05:05:31	52.275	-126.759	1.0g	1.6ML
2007/08/13	10:58:29	52.269	-126.793	1.0g	1.5ML
2007/08/13	19:25:54	52.292	-126.723	1.0g	2.2ML
2007/08/13	19:42:46	52.294	-126.760	1.0g	1.8ML
2007/08/13	23:17:33	52.252	-126.876	1.0g	1.7ML
2007/08/14	02:39:47	52.303	-126.794	6.7*	2.7ML
2007/08/14	18:10:43	52.276	-126.795	1.0g	1.6ML
2007/08/17	12:38:57	52.305	-126.715	1.0g	1.8ML
2007/09/01	01:34:42	52.297	-126.741	5.0g	1.9ML



2007/09/10	06:14:18	52.285	-126.736	1.0g	1.8ML
2007/09/14	05:05:27	52.311	-126.761	1.0g	1.8ML
2007/09/19	15:08:12	52.295	-126.744	1.0g	2.4ML
2007/09/27	00:47:03	51.943	-126.431	1.0g	1.9ML
2007/09/28	06:31:49	51.897	-126.498	1.0g	1.9ML
2007/09/28	06:33:19	51.925	-126.474	1.0g	2.7ML
2007/09/29	12:23:17	51.911	-126.491	1.0g	3.5ML
2007/09/29	12:34:48	51.913	-126.495	1.0g	2.2ML
2007/09/29	12:42:34	51.905	-126.525	1.0g	2.2ML
2007/09/29	12:55:55	51.875	-126.530	1.0g	3.1ML
2007/09/29	12:56:01	51.908	-126.544	1.0g	3.1ML
2007/09/29	13:11:54	51.886	-126.536	1.0g	2.9ML
2007/09/29	13:27:06	51.910	-126.506	1.0g	2.2ML
2007/09/29	15:26:28	51.903	-126.486	1.0g	2.3ML
2007/09/29	16:09:34	51.905	-126.534	1.0g	2.5ML
2007/10/01	03:42:03	52.463	-127.258	10.0g	2.4ML
2007/10/14	20:44:16	52.008	-126.812	1.0g	2.7ML
2007/10/14	20:54:29	52.050	-126.759	1.0g	2.5ML
2007/10/15	03:35:28	52.059	-126.731	5.6*	1.7ML
2007/11/03	06:56:08	52.000	-126.157	1.0g	2.5ML
2007/11/14	04:01:50	52.024	-126.113	1.0g	2.3ML
2007/11/14	14:34:16	52.038	-126.103	1.0g	2.1ML
2007/11/15	00:25:37	51.787	-126.941	32.0*	2.4ML
2007/11/16	06:59:27	52.037	-126.104	1.0g	2.3ML
2007/11/16	09:25:59	52.752	-127.313	1.0g	2.5ML
2007/11/22	14:24:58	52.027	-126.171	1.0g	2.2ML
2007/11/24	21:42:57	52.275	-126.816	1.0g	2.5ML
2007/11/30	06:04:00	52.652	-127.230	1.0g	2.3ML
2007/12/03	07:37:06	52.658	-127.274	1.0g	2.4ML
2007/12/05	21:38:51	52.258	-126.815	1.0g	2.3ML
2007/12/07	16:48:45	52.457	-126.970	1.4*	2.0ML
2007/12/17	10:28:54	52.078	-126.738	1.0g	2.6ML
2007/12/21	01:17:42	52.745	-127.608	1.0g	2.5ML
2007/12/21	01:18:35	52.734	-127.621	1.0g	2.5ML
2008/01/06	13:00:33	52.058	-126.722	1.0g	2.4ML
2008/01/25	12:12:35	52.789	-127.350	1.0g	2.4ML
2008/01/26	19:22:12	52.330	-126.817	1.0g	1.9ML
2008/01/27	12:57:31	52.752	-127.341	1.0g	2.4ML
2008/01/30	02:23:38	52.350	-126.818	1.0g	2.1ML
2008/01/31	04:29:46	52.792	-127.350	1.0g	2.7ML
2008/02/02	10:22:25	52.741	-127.315	15.4*	2.0ML
2008/02/12	04:45:12	52.376	-127.154	10.0g	2.3ML
2008/02/19	16:08:13	52.736	-127.314	1.0g	2.1ML
2008/02/22	15:01:10	52.676	-127.145	54.1*	2.0ML
2008/02/26	03:52:04	52.675	-127.284	1.0g	1.9ML
2008/02/26	20:46:52	52.679	-127.142	1.0g	2.3ML
2008/02/27	03:48:42	52.667	-127.149	1.0g	2.3ML
2008/03/23	16:42:23	52.132	-126.918	1.0g	2.5ML
2008/04/10	03:55:14	52.486	-127.053	5.0g	2.1ML

2008/04/10	13:29:27	52.520	-127.061	1.0g	2.0ML
2008/04/22	16:36:15	52.058	-126.737	1.0g	1.9ML
2008/04/30	05:59:21	52.731	-127.324	1.0g	1.7ML
2008/07/22	04:26:02	52.006	-126.154	1.0g	1.9ML
2008/08/21	17:04:07	52.286	-126.921	1.0g	2.1ML
2008/08/27	04:05:25	52.387	-126.935	1.0g	2.6ML
2008/10/20	19:22:08	52.717	-127.271	1.0g	2.6ML
2008/10/21	04:43:51	52.803	-127.249	1.0g	2.5ML
2008/10/23	14:08:47	52.690	-127.194	1.0g	2.5ML
2008/12/27	23:18:39	52.739	-127.294	1.0g	2.6ML
2008/12/30	00:17:19	52.773	-127.329	10.0g	2.5ML
2009/02/15	15:53:54	51.985	-126.921	1.0g	2.6ML
2009/02/15	16:26:46	51.981	-126.930	1.0g	1.8ML
2009/02/16	15:43:33	52.749	-127.394	1.0g	2.4ML
2009/03/12	01:30:49	52.487	-127.303	5.0g	1.9ML
2009/03/12	12:57:07	52.536	-127.332	5.0g	2.3ML
2009/04/03	01:41:05	51.749	-125.970	5.0g	2.3ML
2009/04/05	11:26:03	51.880	-125.736	1.0g	2.2ML
2009/04/07	13:53:45	52.421	-127.342	1.0g	1.7ML
2009/05/13	18:56:26	52.468	-127.276	1.0g	1.9ML
2009/05/14	09:54:42	52.502	-127.374	1.0g	2.4ML
2009/05/14	10:49:39	52.501	-127.346	1.0g	2.3ML
2009/05/25	08:37:35	52.126	-126.992	10.0g	1.7ML
2009/08/24	14:00:55	51.566	-126.113	1.0g	1.6ML
2009/09/20	16:51:46	52.206	-126.201	5.0g	2.1ML
2009/09/22	19:38:39	52.698	-127.205	1.0g	2.1ML
2009/09/24	16:05:32	52.829	-127.562	1.0g	2.5ML
2010/02/27	21:56:37	52.402	-127.088	3.5*	2.2ML
2010/04/16	15:35:49	52.823	-127.443	1.0g	2.0ML
2010/06/26	10:15:23	51.785	-125.867	4.8*	1.5ML
2010/06/26	12:53:22	51.766	-125.947	5.7*	1.6ML
2010/07/09	07:32:30	51.912	-126.092	1.0g	2.2ML
2010/07/09	15:06:28	51.868	-125.978	1.0g	2.2ML
2010/07/17	13:49:55	52.340	-126.874	1.0g	1.9ML
2010/07/18	18:01:30	52.330	-126.881	1.0g	1.7ML
2010/07/29	04:12:12	52.376	-126.875	6.4*	3.5ML
2010/07/31	21:33:42	52.140	-126.578	1.0g	2.3ML
2010/09/20	01:58:57	52.543	-127.406	1.0g	1.9ML
2010/10/06	03:01:04	51.608	-126.463	10.0g	2.4ML
2010/10/07	09:44:03	52.319	-126.868	1.1*	3.4ML
2011/02/23	15:17:46	52.571	-127.194	1.0g	2.3ML
2011/06/14	06:29:46	52.406	-126.676	1.0g	2.1ML
2011/08/17	07:07:17	52.453	-127.171	5.0g	1.9ML
2011/08/25	08:32:38	51.670	-126.240	1.0g	1.7ML
2011/09/16	22:24:38	52.370	-127.098	5.0g	2.1ML
2011/10/19	19:34:06	51.984	-125.959	1.0g	2.4ML
2011/11/02	07:23:40	52.237	-127.091	1.0g	2.6ML
2011/12/11	05:15:00	51.555	-126.533	5.0g	2.1ML
2012/01/18	17:35:09	52.515	-127.402	35.0g	2.5ML

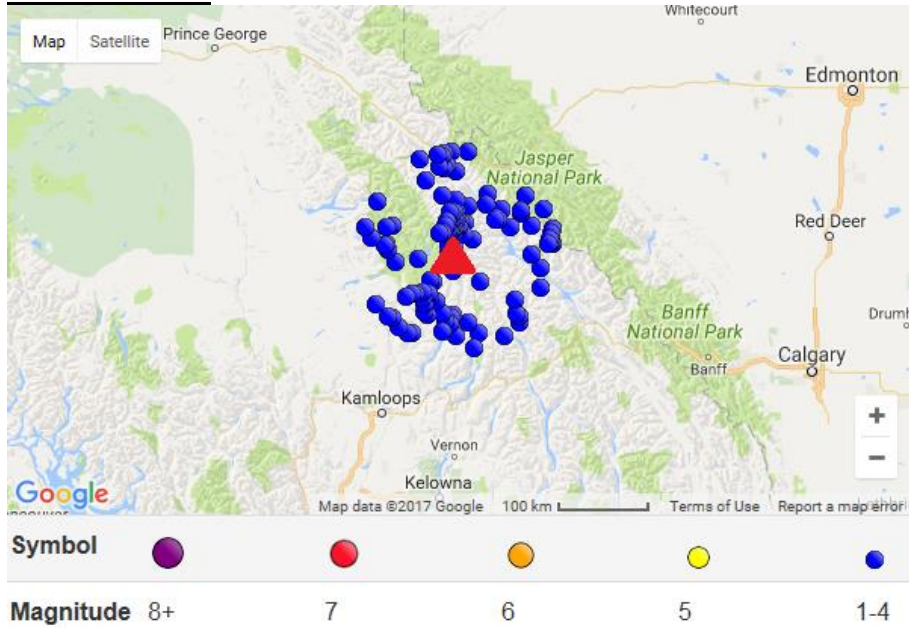
2012/02/21	15:24:01	52.228	-127.100	1.0g	2.5ML
2012/03/13	23:14:22	52.217	-127.082	4.7*	2.9ML
2012/03/14	06:02:41	52.209	-127.079	1.0g	2.6ML
2012/04/11	18:27:26	52.247	-127.115	1.7*	1.6ML
2012/04/22	12:07:31	52.210	-127.070	5.0g	2.1ML
2012/05/17	00:35:22	52.297	-126.971	1.0g	2.4ML
2012/06/10	03:27:27	52.210	-127.102	3.0*	2.4ML
2012/06/10	09:41:27	52.222	-127.090	1.0g	2.0ML
2012/06/12	07:31:47	52.123	-126.969	1.0g	2.1ML
2012/06/14	10:22:41	52.219	-127.096	1.0g	1.9ML
2012/06/15	01:22:00	52.245	-127.106	1.0g	1.5ML
2012/06/16	09:42:34	52.244	-127.118	1.0g	2.0ML
2012/06/17	03:14:40	52.238	-127.096	1.0g	2.0ML
2012/06/17	03:31:42	52.242	-127.100	1.0g	2.1ML
2012/06/25	11:06:10	52.244	-127.107	1.0g	1.7ML
2012/06/29	09:42:24	52.233	-127.094	6.5*	2.0ML
2012/07/25	02:46:57	52.247	-127.134	1.0g	1.8ML
2012/08/27	14:48:42	52.406	-126.865	8.1*	2.1ML
2012/08/31	05:04:07	52.654	-127.251	1.0g	2.1ML
2013/02/02	02:30:36	52.291	-126.861	1.0g	2.2ML
2013/05/21	18:22:34	51.584	-126.354	1.0g	2.1ML
2013/06/23	07:50:57	51.968	-126.789	1.0g	1.6ML
2013/07/18	14:41:35	51.737	-126.025	1.0g	1.8ML
2013/07/21	12:40:40	52.636	-127.275	1.0g	1.9ML
2014/03/08	23:31:11	51.561	-126.344	1.0g	2.5ML
2014/09/06	11:03:26	52.809	-127.301	1.0g	1.5ML
2014/10/07	08:55:02	52.743	-127.564	3.5*	1.8ML
2014/10/23	10:33:12	51.674	-125.914	1.0g	2.4ML
2014/11/28	02:10:34	52.798	-127.438	4.0*	2.5ML
2014/11/28	03:34:14	52.801	-127.526	1.0g	2.1ML
2015/01/08	01:54:54	52.668	-127.138	10.0g	2.2ML
2015/01/08	01:56:46	52.671	-127.148	5.0g	2.3ML
2015/01/15	09:15:08	52.947	-127.250	10.0g	2.4ML
2015/01/25	05:37:15	52.675	-127.104	1.0g	2.7ML
2015/01/25	07:19:33	51.601	-126.531	1.0g	2.1ML
2015/01/25	08:08:54	52.682	-127.075	5.0g	2.6ML
2015/04/08	07:26:30	52.791	-127.504	1.0g	1.7ML
2015/04/18	15:55:19	52.839	-127.297	1.0g	1.7ML
2015/04/28	23:59:28	52.588	-127.418	10.0g	2.3ML
2015/07/09	11:57:19	52.080	-127.257	5.0g	1.6ML
2015/08/10	21:03:12	52.806	-127.449	7.1*	1.9ML
2015/08/28	06:10:06	52.786	-127.353	1.0g	3.3ML
2015/08/28	06:30:22	52.784	-127.389	1.0g	2.3ML
2015/08/28	06:34:10	52.807	-127.358	7.3*	2.0ML
2015/09/03	12:55:42	52.724	-127.587	1.0g	1.8ML
2015/09/05	11:04:57	52.799	-127.398	1.0g	1.6ML
2015/09/05	14:35:00	52.821	-127.419	1.0g	1.5ML
2015/09/05	15:10:27	52.811	-127.390	1.0g	1.6ML
2015/09/05	19:59:49	52.756	-127.612	1.0g	1.8ML

2015/09/06	05:12:25	52.745	-127.606	13.0*	1.7ML
2015/09/06	05:16:02	52.737	-127.601	1.0g	1.8ML
2015/09/06	18:21:52	52.044	-126.860	5.0g	2.0ML
2015/09/07	10:00:39	52.814	-127.397	1.0g	2.0ML
2015/09/17	07:32:55	52.801	-127.382	12.3*	2.1ML
2015/09/18	06:38:11	52.806	-127.365	10.8*	2.1ML
2015/09/18	17:16:24	52.802	-127.471	5.0g	1.9ML
2015/09/20	10:00:25	52.806	-127.401	1.0g	1.6ML
2015/09/20	13:24:48	52.809	-127.395	5.0g	1.6ML
2015/09/21	01:01:44	52.798	-127.406	5.0g	1.8ML
2015/09/29	08:55:38	52.289	-125.802	1.0g	1.8ML
2015/09/30	17:12:51	52.863	-127.665	10.0g	1.7ML
2015/10/02	10:57:12	52.806	-127.517	1.0g	1.9ML
2015/10/04	07:48:55	52.819	-127.422	1.0g	1.8ML
2015/10/05	04:35:25	52.798	-127.457	5.0g	1.7ML
2015/10/08	06:02:11	52.812	-127.384	1.0g	1.9ML
2015/10/14	09:50:10	52.812	-127.410	1.0g	1.6ML
2015/10/14	17:22:10	52.812	-127.379	1.0g	1.7ML
2015/10/14	17:23:34	52.823	-127.411	1.0g	1.8ML
2015/10/14	17:35:22	52.812	-127.385	5.0g	1.6ML
2015/10/15	02:25:04	51.952	-126.761	1.0g	1.6ML
2015/10/18	11:50:50	52.503	-127.152	1.0g	2.1ML
2015/10/19	10:59:04	52.797	-127.615	5.0g	2.2ML
2015/10/20	03:34:31	52.792	-127.660	10.0g	2.0ML
2015/10/21	18:56:47	52.505	-127.188	10.0g	2.1ML
2015/10/23	01:22:01	52.500	-127.136	1.0g	2.4ML
2015/10/23	01:24:25	52.491	-127.154	5.0g	3.1ML
2015/10/24	01:48:29	52.518	-127.197	10.0g	1.9ML
2015/10/24	05:10:37	52.517	-127.197	5.0g	2.0ML
2015/10/25	06:05:10	52.516	-127.195	10.0g	1.7ML
2015/10/26	13:29:38	52.494	-127.171	1.0g	2.2ML
2015/10/27	12:03:06	52.528	-127.135	1.0g	2.0ML
2015/10/27	14:07:42	52.824	-127.341	5.0g	2.1ML
2015/10/28	01:09:06	52.801	-127.374	5.0g	2.8ML
2015/10/28	03:23:54	52.828	-127.392	1.0g	2.1ML
2015/10/28	15:25:43	52.879	-127.446	1.0g	2.2ML
2015/10/29	05:16:27	52.495	-127.174	5.0g	2.5ML
2015/10/29	06:56:39	52.802	-127.381	5.0g	2.5ML
2015/10/31	19:58:50	52.476	-127.146	1.0g	2.4ML
2015/11/03	07:07:00	52.487	-127.154	1.0g	2.0ML
2015/11/03	07:09:32	52.461	-127.182	5.0g	2.0ML
2015/11/03	16:03:49	52.510	-127.176	1.0g	2.1ML
2015/11/05	10:34:51	52.503	-127.183	1.0g	1.9ML
2015/11/05	10:35:36	52.507	-127.176	1.0g	2.0ML
2015/11/05	10:57:21	52.519	-127.172	1.0g	1.9ML
2015/11/05	11:55:54	52.504	-127.144	1.0g	1.9ML
2015/11/10	07:42:05	52.791	-127.710	1.0g	1.7ML
2015/11/19	09:52:49	52.789	-127.451	10.0g	1.9ML
2015/11/25	14:23:35	52.798	-127.669	1.0g	1.9ML

2015/11/28	13:23:49	52.014	-126.893	5.0g	1.8ML
2015/11/29	15:03:31	52.785	-127.332	5.0g	2.1ML
2015/12/03	12:10:53	52.796	-127.344	1.0g	2.3ML
2015/12/06	10:46:24	52.951	-127.708	1.0g	2.3ML
2015/12/08	18:58:15	52.189	-125.368	10.0g	2.6ML
2015/12/14	13:20:25	53.190	-126.444	1.0g	1.9ML
2015/12/16	23:18:41	52.688	-127.161	5.0g	2.1ML
2015/12/16	23:24:44	52.693	-127.144	1.0g	2.3ML
2015/12/20	16:48:48	52.676	-127.087	1.0g	2.5ML
2015/12/27	21:28:13	52.817	-127.394	1.0g	2.4ML
2015/12/28	06:14:08	52.814	-127.391	1.0g	2.8ML
2015/12/28	06:56:15	52.814	-127.370	1.0g	2.2ML
2015/12/28	09:48:34	52.812	-127.391	1.0g	2.2ML
2015/12/28	15:22:59	52.821	-127.390	1.0g	2.2ML
2015/12/28	15:28:57	52.819	-127.403	5.0g	2.1ML
2015/12/29	15:52:49	52.816	-127.431	5.0g	2.0ML
2015/12/30	06:36:11	52.679	-127.117	10.0g	2.0ML
2015/12/31	20:58:22	52.674	-127.125	1.0g	2.2ML
2016/01/03	05:54:42	52.812	-127.345	7.6*	2.5ML
2016/01/03	18:16:24	52.808	-127.428	6.7*	2.0ML
2016/01/04	04:25:25	52.794	-127.378	1.0g	2.1ML
2016/01/06	03:42:14	52.816	-127.354	5.0g	2.4ML
2016/02/01	11:27:24	52.749	-127.589	5.0g	1.6ML
2016/02/02	23:21:22	52.712	-127.146	1.0g	1.7ML
2016/02/09	01:21:09	52.688	-127.123	1.0g	2.4ML
2016/02/09	05:34:20	52.686	-127.129	5.0g	2.7ML
2016/02/09	05:46:33	52.694	-127.162	1.0g	2.3ML
2016/02/09	05:54:32	52.683	-127.123	1.0g	2.3ML
2016/02/09	06:08:18	52.683	-127.138	1.0g	2.4ML
2016/02/09	06:58:41	52.673	-127.129	1.0g	2.2ML
2016/02/09	19:34:08	52.683	-127.115	1.0g	2.3ML
2016/02/18	11:47:30	52.713	-127.170	1.0g	2.2ML
2016/02/18	16:50:55	51.775	-125.923	1.0g	2.0ML
2016/02/27	20:05:18	52.812	-127.437	1.0g	1.9ML
2016/03/26	06:42:55	52.800	-127.331	1.0g	2.3ML
2016/03/28	05:11:54	52.741	-127.221	1.0g	2.4ML
2016/03/29	21:15:47	52.811	-127.432	5.0g	2.3ML
2016/04/05	21:25:31	52.814	-127.466	1.0g	2.4ML
2016/04/05	23:10:18	52.809	-127.420	1.0g	2.6ML
2016/04/05	23:50:10	52.802	-127.453	1.0g	2.3ML
2016/04/24	19:20:19	52.797	-127.433	1.0g	2.2ML
2016/05/15	14:22:08	52.860	-127.631	1.0g	1.6ML
2016/05/19	00:23:15	52.605	-128.163	16.9*	1.9ML
2016/06/10	15:56:55	52.817	-127.390	1.0g	1.6ML
2016/06/10	16:11:02	52.832	-127.433	10.0g	2.2ML
2016/06/11	09:44:07	52.818	-127.332	5.0g	2.3ML
2016/06/12	01:28:21	52.816	-127.427	1.0g	1.7ML
2016/06/12	21:43:12	52.816	-127.370	5.0g	2.1ML
2016/06/15	05:38:27	52.504	-127.146	1.0g	1.9ML

2016/06/17	16:52:54	52.811	-127.389	1.0g	1.8ML
2016/06/27	23:16:03	52.686	-127.124	1.0g	2.3ML
2016/07/29	14:08:54	52.795	-127.427	15.0g	1.8ML
2016/07/31	21:08:03	52.815	-127.396	1.0g	1.7ML
2016/08/10	21:32:14	52.532	-127.406	1.0g	1.9ML
2016/08/12	12:45:22	52.160	-126.190	15.0g	2.1ML
2016/08/25	02:47:47	52.791	-127.371	1.0g	2.1ML
2016/08/25	06:02:33	52.809	-127.366	1.0g	1.8ML
2016/09/12	09:42:20	52.110	-126.953	1.0g	1.8ML
2016/09/12	16:40:56	52.803	-127.382	1.0g	2.4ML
2016/09/13	13:31:32	52.532	-127.316	1.0g	2.5ML
2016/09/26	15:36:35	52.833	-127.421	1.0g	2.5ML
2016/09/30	14:19:41	52.809	-127.605	9.6*	1.8ML
2016/09/30	17:09:28	51.859	-127.067	10.0g	2.2Mw
2016/10/13	20:32:41	52.817	-127.446	1.0g	2.3ML
2016/10/16	04:01:19	52.806	-127.384	1.0g	2.2ML
2016/11/12	08:13:22	53.056	-127.614	5.0g	2.8ML
2016/11/17	02:37:55	52.917	-127.274	10.0g	2.3ML
2016/11/27	00:08:01	51.986	-126.938	1.0g	2.2ML
2016/11/27	03:29:57	52.252	-126.280	1.0g	2.4ML
2016/12/04	01:12:49	52.833	-127.361	5.0g	2.6ML
2016/12/18	16:21:42	52.839	-127.327	1.0g	3.7ML
2016/12/18	16:48:20	52.867	-127.369	1.0g	2.7ML
2016/12/18	17:12:51	52.842	-127.352	1.0g	2.4ML
2016/12/18	21:36:17	52.832	-127.333	1.0g	3.4ML
2016/12/24	09:01:03	52.845	-127.318	1.0g	3.1ML
2016/12/24	10:17:03	52.862	-127.338	10.0g	2.2ML
2016/12/29	01:30:25	52.861	-127.368	5.0g	2.4ML
<a href="http://www.earthquakescanada.nrcan.gc.ca/">http://www.earthquakescanada.nrcan.gc.ca/</a>					

**Station: BLBC**



Station: BLBC Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19970617.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
1997/07/31	14:26:37	52.268	-119.315	10.0g	1.5ML
1997/11/24	13:29:18	51.794	-119.617	5.0g	2.6ML
1998/01/20	22:45:45	52.215	-119.150	10.0g	1.5ML
1998/01/26	18:47:32	51.688	-119.816	0.0g	2.6ML
1998/02/02	17:38:17	52.773	-119.228	0.0g	2.7ML
1998/04/01	16:38:57	52.112	-120.308	5.0g	1.6ML
1998/06/29	22:10:18	52.041	-119.360	10.0g	1.5ML
1998/07/26	08:10:17	52.163	-117.892	0.0g	2.1ML
1998/12/12	08:25:12	52.405	-119.335	10.0g	2.2ML
1999/01/01	06:00:10	52.030	-118.142	5.0g	2.3ML
1999/02/27	19:15:04	52.260	-117.844	5.0g	2.3ML
1999/03/11	03:03:02	52.209	-119.488	10.0g	1.5ML
1999/03/13	14:50:09	52.556	-119.440	0.0g	2.6ML
1999/03/13	14:50:41	52.544	-119.449	0.0g	2.7ML
1999/04/06	10:48:37	52.075	-119.262	10.0g	1.7ML
1999/04/15	13:14:53	52.329	-119.309	10.0g	3.1ML
1999/04/22	09:53:24	52.321	-119.316	10.0g	2.8ML
1999/05/18	07:53:20	52.376	-119.320	0.0g	2.0ML
1999/05/22	08:13:19	52.284	-118.138	0.0g	1.7ML
1999/07/02	04:45:20	51.639	-119.627	10.0g	2.7ML
1999/07/02	07:51:06	51.644	-119.612	10.0g	2.3ML
1999/09/30	08:19:41	51.410	-119.064	10.0g	2.9ML
1999/11/18	01:07:12	52.320	-119.249	7.0*	1.7ML
2000/01/01	01:32:23	51.571	-120.416	11.0*	2.0ML
2000/01/23	09:32:03	52.759	-119.235	1.0g	1.9ML

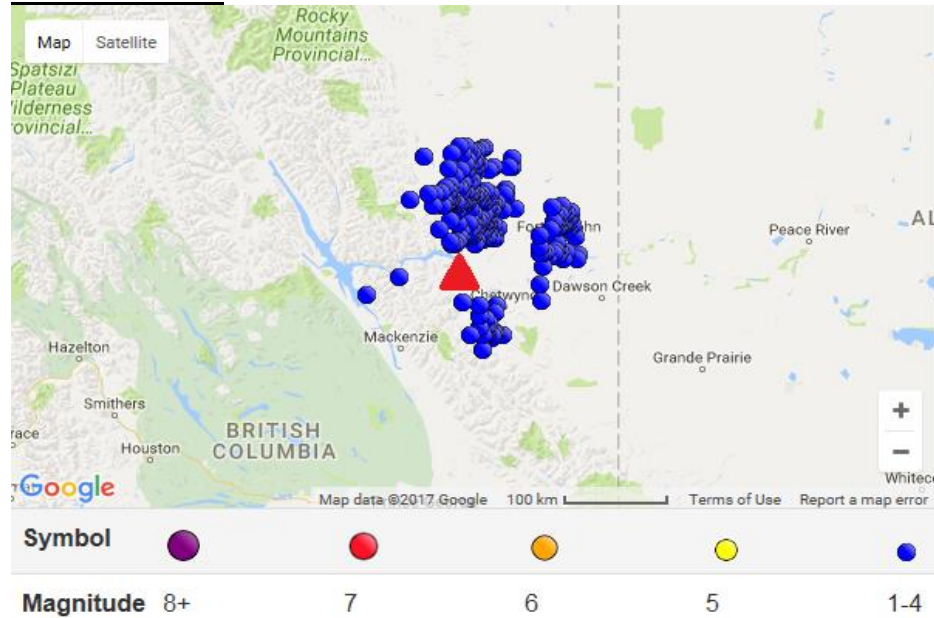
2000/03/22	05:52:37	52.246	-119.279	10.0g	1.5ML
2000/05/03	02:21:34	52.412	-118.587	1.0g	1.5ML
2000/08/01	01:53:34	51.909	-118.015	1.0g	1.7ML
2001/01/02	13:06:08	52.256	-119.263	1.0g	2.1ML
2001/01/02	13:09:23	52.263	-119.203	1.0g	1.6ML
2001/01/04	00:36:53	52.258	-119.296	9.1*	2.4ML
2001/01/05	01:49:55	52.277	-119.277	10.0g	2.1ML
2001/01/29	03:09:38	52.267	-119.265	1.0g	1.6ML
2001/02/26	21:17:14	52.250	-119.324	11.0*	3.8ML
2001/02/26	21:40:50	52.263	-119.286	6.6*	1.6ML
2001/02/26	22:02:56	52.253	-119.327	9.6*	1.5ML
2001/02/27	11:32:33	52.270	-119.330	10.1*	1.8ML
2001/02/27	19:57:42	52.262	-119.341	12.1*	1.6ML
2001/02/28	01:08:57	52.263	-119.330	14.3*	2.0ML
2001/03/14	04:01:11	52.250	-119.295	3.2*	1.6ML
2001/03/23	07:01:03	52.241	-119.331	17.4*	2.7ML
2001/03/23	14:27:15	52.229	-119.334	10.4*	2.1ML
2001/04/07	03:22:21	52.252	-119.354	6.8*	1.9ML
2001/04/07	09:15:42	52.098	-119.313	11.5*	1.8ML
2001/04/15	09:14:01	52.319	-119.248	10.2*	1.5ML
2001/05/01	11:47:59	52.279	-120.168	1.0g	1.6ML
2001/05/25	03:35:14	52.233	-119.319	12.8*	1.6ML
2001/06/25	19:57:47	52.246	-119.305	9.3*	2.1ML
2001/08/16	07:02:13	52.242	-119.355	13.1*	1.6ML
2001/09/09	17:55:40	52.323	-119.310	9.6*	2.7ML
2001/09/21	11:30:03	52.268	-119.337	12.1*	2.1ML
2001/10/08	09:43:59	52.349	-119.271	8.1*	1.6ML
2001/10/15	10:58:46	51.728	-118.020	10.0g	1.8ML
2002/01/06	09:52:12	52.100	-119.361	11.7*	2.1ML
2002/01/06	17:57:32	52.304	-119.120	11.6*	1.7ML
2002/05/15	05:22:56	52.463	-118.798	5.0g	1.9ML
2002/07/27	15:58:10	51.787	-119.544	12.9*	1.6ML
2002/08/03	11:32:32	52.874	-119.769	1.0g	2.1ML
2002/10/12	13:33:56	51.370	-120.089	10.0g	1.6ML
2002/11/03	23:36:46	51.688	-119.733	1.0g	2.1ML
2002/12/31	12:39:27	52.811	-119.375	1.0g	1.9ML
2003/01/27	23:37:24	51.318	-118.918	1.0g	2.2ML
2003/02/12	20:42:42	52.209	-119.448	1.0g	1.8ML
2003/04/08	01:37:26	51.451	-120.164	5.0g	1.7ML
2003/12/30	13:22:06	52.354	-118.661	6.1*	3.3ML
2004/04/01	20:25:16	51.174	-118.984	1.0g	2.6ML
2004/09/20	19:17:03	51.311	-119.945	1.0g	1.8ML
2004/10/16	08:55:34	51.782	-118.899	10.0g	1.6ML
2004/12/02	05:37:26	52.419	-118.301	1.0g	1.5ML
2004/12/02	10:30:01	52.394	-118.305	1.0g	3.0ML
2004/12/05	11:30:43	52.545	-118.227	1.0g	1.8ML
2005/03/20	14:13:45	51.876	-119.288	5.0g	2.2ML
2005/09/02	02:36:51	52.456	-119.067	5.0g	1.8ML
2005/10/07	16:46:13	52.178	-120.469	1.0g	1.8ML



2005/10/28	09:12:47	52.132	-117.869	1.0g	1.5ML
2006/07/15	10:18:09	52.403	-119.264	5.0g	2.4ML
2006/08/18	12:01:53	52.419	-119.242	1.0g	2.3ML
2006/10/17	23:10:40	52.128	-120.245	5.0g	1.7ML
2006/10/19	00:55:33	52.800	-119.494	1.0g	2.1ML
2006/10/19	04:12:54	52.904	-119.485	1.0g	2.6ML
2006/12/08	07:23:06	51.398	-119.341	8.1*	1.7ML
2007/03/23	13:36:58	52.322	-119.177	1.0g	1.6ML
2007/04/13	05:08:57	52.922	-119.416	1.0g	2.6ML
2007/05/02	20:46:26	52.932	-119.308	1.0g	3.0ML
2007/05/26	19:10:44	51.613	-118.388	5.0g	1.7ML
2007/06/09	19:59:30	51.472	-120.237	1.0g	2.3ML
2007/06/11	05:47:55	52.271	-118.462	1.0g	1.5ML
2007/07/20	06:36:21	52.177	-117.891	10.0g	2.2ML
2007/08/22	10:13:25	52.936	-119.063	18.5*	1.6ML
2007/10/09	23:16:37	51.294	-119.253	1.0g	2.5ML
2007/10/09	23:41:18	51.304	-119.242	1.0g	2.0ML
2007/10/11	13:09:03	51.302	-119.241	1.0g	2.2ML
2007/10/14	13:24:39	52.278	-120.247	1.0g	1.7ML
2007/11/23	04:05:29	51.639	-119.980	10.1*	2.1ML
2008/02/05	07:24:52	51.317	-119.879	10.0g	1.8ML
2008/02/19	04:28:30	52.434	-117.964	1.0g	1.5ML
2008/03/13	14:02:43	52.114	-120.251	1.0g	1.9ML
2008/03/21	03:39:57	51.583	-119.698	2.0*	1.6ML
2008/03/24	01:42:45	52.249	-119.294	10.0g	2.0ML
2008/05/14	13:57:28	52.930	-119.423	10.0g	2.3ML
2008/06/07	04:52:01	52.423	-118.581	1.0g	2.3ML
2008/07/09	09:09:38	52.126	-117.844	1.0g	1.6ML
2008/11/26	01:02:26	51.296	-118.551	10.0g	2.1ML
2009/01/05	11:51:54	51.494	-119.435	1.0g	1.6ML
2009/01/31	12:32:24	52.112	-120.268	1.0g	2.1ML
2009/08/20	18:29:06	51.678	-119.836	1.0g	1.6ML
2009/08/24	13:49:20	51.678	-119.887	10.0g	1.8ML
2009/10/16	15:54:42	52.285	-120.553	1.0*	2.2ML
2009/11/11	07:59:54	52.196	-119.129	10.0g	2.9ML
2009/11/11	10:01:00	52.272	-120.563	5.0g	1.7ML
2009/12/15	06:23:14	52.222	-119.338	10.0g	2.1ML
2009/12/18	07:56:59	52.221	-119.357	10.8*	2.5ML
2009/12/29	09:41:17	51.478	-119.300	5.0g	1.9ML
2010/02/23	09:49:22	52.564	-118.790	1.0g	2.1ML
2010/06/16	14:33:44	52.253	-119.291	10.0g	2.3ML
2010/07/17	04:21:18	51.979	-119.796	10.0g	1.6ML
2010/08/27	06:52:25	51.799	-119.608	9.1*	2.1ML
2010/09/08	10:53:10	52.396	-119.281	1.0g	2.0ML
2011/03/21	18:25:53	52.515	-119.242	1.0g	2.0ML
2011/05/25	13:16:33	51.604	-119.542	1.0g	2.0ML
2011/09/19	18:11:02	51.652	-119.619	1.0g	2.3ML
2011/11/13	11:58:46	51.669	-119.649	5.0g	2.9ML
2012/06/30	13:50:58	52.216	-117.865	2.7*	2.8ML

2012/08/22	18:51:27	52.349	-119.220	10.0g	3.1ML
2012/12/23	09:43:00	51.415	-118.329	1.0g	2.4ML
2013/04/26	22:26:13	52.159	-119.010	1.0g	1.5ML
2013/05/04	19:33:01	52.243	-119.330	11.1*	3.2ML
2013/05/04	19:42:56	52.266	-119.342	9.6*	2.4ML
2013/05/13	10:29:30	52.335	-118.685	5.0g	1.7ML
2013/06/10	01:04:36	52.255	-119.376	10.0g	1.5ML
2013/06/13	13:10:05	51.458	-119.319	5.0g	2.0ML
2013/07/12	21:00:49	52.121	-117.915	1.0g	2.4ML
2013/07/29	04:41:59	51.784	-119.581	1.0g	1.6ML
2013/08/23	02:07:54	52.201	-119.286	4.4*	1.9ML
2014/04/28	08:55:53	52.680	-119.695	1.0g	2.8ML
2014/04/29	12:07:07	52.902	-119.440	1.0g	2.5ML
2014/04/29	12:14:44	52.794	-119.416	1.0g	2.3ML
2014/05/12	11:50:47	51.962	-120.124	1.0g	1.5ML
2014/05/16	00:05:22	52.266	-120.255	0.0g	1.8ML
2014/06/08	12:39:03	52.278	-119.371	10.0g	1.5ML
2014/12/03	09:09:19	51.470	-118.322	10.2*	1.7ML
2014/12/06	11:53:54	52.278	-119.393	10.0g	1.6ML
2014/12/07	03:31:19	51.588	-120.439	10.0g	1.7ML
2014/12/12	08:31:39	51.800	-119.583	1.0g	1.7ML
2015/01/04	00:55:03	52.492	-120.391	1.0g	1.9ML
2015/01/30	17:55:20	52.300	-120.261	1.0g	2.1ML
2015/05/19	10:49:43	52.127	-117.847	1.0g	1.7ML
2015/08/14	06:55:39	52.297	-120.186	2.0*	1.7ML
2015/08/17	04:48:24	51.421	-119.408	5.0g	2.4ML
2015/10/05	09:50:10	52.071	-120.234	1.0g	1.8ML
2015/12/02	14:52:29	51.625	-119.739	10.0g	2.3ML
2015/12/31	04:32:11	51.491	-118.373	1.0g	1.9ML
2016/01/05	04:51:40	52.292	-119.382	1.0g	2.1ML
2016/01/05	05:46:43	52.319	-119.367	1.0g	2.3ML
2016/01/31	06:50:19	51.328	-119.446	1.0g	1.9ML
2016/04/08	11:49:44	52.258	-119.248	0.0*	1.6ML
2016/04/20	11:48:44	51.509	-119.700	1.0g	1.5ML
2016/04/20	11:49:17	51.476	-119.667	1.0g	1.5ML
2016/05/13	06:44:33	52.278	-119.334	1.0g	1.6ML
2016/08/08	23:34:30	52.285	-119.355	15.0g	1.5ML
2016/08/23	05:41:12	52.340	-118.620	3.3*	2.1ML
2016/10/03	00:05:51	52.904	-119.510	1.0g	2.2ML
2016/11/03	10:05:48	52.123	-119.354	12.0*	2.3ML
<a href="http://www.earthquakescanada.nrcan.gc.ca/">http://www.earthquakescanada.nrcan.gc.ca/</a>					

**Station: BMBC**



**Station: BMBC Radius:100 km Mag: >= 1.5**

**Earthquakes Canada Online Bulletin - 19980130.0000 20170101.0000**

Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
1998/01/31	05:03:18	56.305	-120.707	2.0g	2.2MN
2000/03/06	15:54:51	56.253	-120.953	1.0g	2.8MN
2000/08/15	20:14:04	56.456	-120.812	1.0g	3.3MN
2000/08/18	00:07:59	56.419	-120.778	1.0g	3.1MN
2000/09/02	14:37:53	56.292	-120.821	0.0g	2.8MN
2000/09/24	09:50:04	56.281	-120.916	1.0g	3.2MN
2001/03/24	03:50:16	56.494	-121.866	5.0g	2.2MN
2001/04/21	09:15:02	56.270	-120.821	5.0g	2.5MN
2001/04/23	08:38:40	56.365	-120.678	1.0g	2.7MN
2001/04/23	09:23:32	56.307	-120.887	1.0g	2.4MN
2001/04/23	09:42:32	56.318	-120.913	1.0g	2.1MN
2001/04/25	06:18:49	56.276	-120.805	1.0g	3.0MN
2001/05/06	14:00:29	56.298	-120.778	1.0g	2.4MN
2001/06/12	10:09:48	56.290	-120.786	1.0g	4.2Mw
2001/10/03	20:04:30	56.343	-120.930	1.0g	3.2MN
2001/11/07	10:16:47	56.382	-120.888	3.6*	2.8MN
2002/01/21	13:19:44	56.416	-120.774	1.0g	3.2MN
2002/01/21	16:24:48	56.194	-120.602	1.0g	2.5MN
2002/01/22	08:32:00	56.438	-120.948	1.0g	2.8MN
2002/02/19	02:36:19	56.318	-120.849	1.0g	2.5ML
2002/06/25	07:54:24	56.371	-120.790	1.0g	2.9MN
2003/05/17	12:03:32	56.415	-120.664	1.0g	2.6MN
2003/05/25	13:18:04	56.354	-120.868	1.0g	3.0MN
2003/05/25	16:44:38	56.367	-120.665	1.0g	2.3MN
2003/11/04	04:55:29	56.489	-122.350	5.0g	2.2MN
2003/11/11	13:02:37	56.508	-122.379	1.0g	1.8MN

2003/11/13	05:31:07	56.445	-122.638	10.0g	2.3MN
2003/12/06	04:00:31	56.448	-122.500	10.0g	2.2MN
2003/12/12	07:52:41	56.548	-122.258	1.0g	2.8MN
2003/12/15	13:08:25	56.538	-122.329	5.0g	2.1MN
2003/12/28	15:24:13	56.515	-122.289	10.0g	1.8MN
2003/12/30	02:44:25	56.421	-121.461	1.0g	2.2MN
2004/01/21	02:04:04	56.512	-122.268	10.0g	2.4MN
2004/01/31	11:45:15	56.456	-122.301	25.0g	2.4MN
2004/02/01	03:25:02	56.513	-122.278	10.0g	1.8MN
2004/02/09	07:16:57	56.482	-122.167	20.0g	2.0MN
2004/02/10	09:03:31	56.495	-122.114	20.0g	2.0MN
2004/02/26	04:28:52	56.209	-121.119	1.0g	2.3MN
2004/03/07	10:07:41	56.427	-120.755	1.0g	2.1MN
2004/04/06	21:20:36	56.497	-122.087	10.0g	1.8MN
2004/04/14	12:35:28	56.542	-122.117	10.0g	1.8MN
2004/04/16	00:01:30	56.554	-122.185	5.0g	2.0MN
2004/04/16	00:05:57	56.531	-122.088	10.0g	1.8MN
2004/04/17	22:41:53	56.551	-122.011	1.0g	2.1MN
2004/04/19	11:31:26	56.561	-121.965	1.0g	1.9MN
2004/05/05	18:23:35	56.534	-122.034	1.0g	1.8MN
2004/05/10	08:35:11	56.540	-122.061	10.0g	1.6MN
2004/05/29	08:02:07	56.425	-120.695	1.0g	2.7MN
2004/06/05	15:28:35	56.342	-120.719	10.0g	2.6MN
2004/08/08	11:58:02	56.522	-122.255	1.0g	1.8MN
2004/08/10	00:15:21	56.511	-121.921	10.0g	2.3MN
2004/08/19	14:08:26	56.567	-122.286	1.0g	2.7MN
2004/08/25	08:23:27	56.560	-122.273	1.0g	2.2MN
2004/08/25	20:50:12	56.380	-120.837	1.0g	2.5MN
2004/08/28	04:14:55	56.459	-122.051	20.0g	1.9MN
2004/09/04	09:52:35	56.538	-122.148	1.0g	2.1MN
2004/09/12	17:03:57	56.516	-122.251	1.0g	2.2MN
2004/09/20	16:25:34	56.480	-122.136	14.9*	1.9MN
2004/09/27	14:52:12	56.500	-122.204	10.0g	1.9MN
2004/09/28	11:13:53	56.545	-122.081	1.0g	2.3MN
2004/10/10	16:11:31	56.455	-122.482	10.0g	2.0MN
2004/10/29	18:41:05	56.505	-121.996	1.0g	2.7MN
2004/10/30	09:12:16	56.473	-122.397	1.0g	2.3MN
2004/11/07	02:21:16	56.460	-121.918	20.0g	2.2MN
2004/11/07	19:01:48	56.528	-122.145	10.0g	2.4MN
2004/11/20	10:19:23	56.529	-122.135	10.0g	2.3MN
2004/11/20	12:59:54	56.478	-122.152	20.0g	2.0MN
2004/11/30	01:40:45	56.420	-120.686	1.0g	2.5MN
2004/12/03	17:16:24	56.524	-121.964	1.0g	2.3MN
2004/12/04	05:12:09	56.553	-122.098	1.0g	2.4MN
2004/12/09	15:26:57	56.484	-122.012	5.0g	2.8MN
2004/12/10	10:51:26	56.488	-121.980	5.0g	2.4MN
2004/12/12	11:54:58	56.531	-122.048	5.0g	1.8MN
2004/12/14	03:10:08	56.484	-122.192	15.0g	2.2MN
2004/12/19	10:40:21	56.506	-122.146	10.0g	1.9MN

2004/12/27	23:27:18	56.391	-120.738	10.0g	3.7MN
2004/12/28	00:28:34	56.374	-120.663	5.0g	2.7MN
2005/01/08	12:13:16	56.474	-121.792	1.0g	1.7MN
2005/01/11	21:27:57	55.568	-121.742	5.0g	2.0MN
2005/01/14	18:38:54	56.489	-122.082	15.0g	2.3MN
2005/01/14	18:48:50	56.442	-122.359	25.0g	2.5MN
2005/01/15	19:52:01	56.521	-122.218	15.0g	2.6MN
2005/01/19	09:38:53	56.486	-122.140	10.0g	1.8MN
2005/01/21	11:38:25	56.541	-122.146	1.0g	2.1MN
2005/01/28	06:28:22	56.502	-121.945	10.0g	2.0MN
2005/02/02	08:01:43	56.487	-122.436	10.0g	1.8MN
2005/02/08	13:07:26	56.567	-121.890	1.0g	2.3MN
2005/02/18	19:12:57	55.630	-121.718	1.0g	2.0MN
2005/03/16	18:08:16	56.523	-121.597	1.0g	2.4MN
2005/03/20	17:43:21	56.461	-122.373	20.0g	2.3MN
2005/04/03	01:19:42	56.516	-122.305	5.0g	1.9MN
2005/04/03	05:56:01	56.506	-122.341	10.0g	1.8MN
2005/04/07	06:34:19	56.496	-122.273	10.0g	2.1MN
2005/04/07	07:19:28	56.490	-122.244	10.0g	1.8MN
2005/04/28	07:23:18	56.486	-122.225	10.0g	2.0MN
2005/04/28	08:07:31	56.542	-122.258	1.0g	2.7MN
2005/05/04	01:16:03	55.537	-121.929	10.0g	1.8ML
2005/05/24	21:39:07	56.493	-122.292	1.0g	2.5MN
2005/07/21	10:32:24	56.511	-122.390	10.0g	2.8MN
2005/07/27	20:47:52	56.400	-120.673	5.0g	2.4ML
2005/08/17	12:13:40	56.512	-122.292	10.0g	2.2MN
2005/09/09	13:32:24	56.491	-122.399	10.0g	2.4MN
2005/10/02	15:51:24	56.536	-122.216	10.0g	2.2MN
2005/10/05	12:12:56	56.540	-122.344	10.0g	2.2MN
2005/10/17	01:00:39	55.546	-121.970	5.0g	1.8ML
2005/10/19	13:48:01	56.534	-121.890	10.0g	2.2MN
2005/10/26	21:21:30	56.489	-122.200	10.0g	1.8MN
2005/11/19	06:18:18	56.476	-122.197	10.0g	1.8MN
2005/12/16	02:04:06	56.448	-122.222	25.0g	2.4MN
2006/01/11	06:07:36	56.524	-122.321	10.0g	1.7MN
2006/03/01	06:21:45	56.515	-122.232	10.0g	1.8MN
2006/04/03	00:16:52	56.510	-122.086	5.0g	2.7MN
2006/04/15	13:21:39	56.530	-121.720	1.0g	1.7MN
2006/04/15	13:23:35	56.533	-121.878	10.0g	1.8MN
2006/09/02	12:22:49	56.485	-122.198	5.0g	2.8MN
2006/09/10	11:01:41	56.566	-122.244	5.0g	3.1MN
2006/10/18	00:39:49	55.555	-122.356	1.0g	1.6ML
2006/11/16	14:02:48	56.518	-122.369	1.0g	2.8ML
2007/01/29	19:41:26	56.600	-122.243	1.0g	3.2ML
2007/02/12	00:53:25	55.388	-121.907	10.0g	2.8ML
2007/02/27	13:37:10	56.576	-122.295	5.0g	2.3ML
2007/03/16	04:36:52	56.545	-121.824	1.0g	2.8ML
2007/03/25	04:46:12	56.546	-121.949	4.5*	2.1ML
2007/03/29	10:33:34	56.488	-121.961	1.0g	2.6ML

2007/04/11	00:42:00	55.382	-121.923	10.0g	2.8ML
2007/08/03	11:08:07	56.480	-122.295	10.0g	1.7ML
2007/09/03	17:27:31	56.511	-122.330	10.0g	1.9ML
2007/10/01	05:18:55	56.491	-122.479	1.0g	2.2ML
2007/10/03	00:42:28	55.377	-122.094	1.0g	2.7ML
2007/10/30	06:59:15	56.522	-122.322	10.0g	2.7ML
2007/11/02	00:43:42	55.388	-121.826	1.0g	2.4ML
2008/03/05	02:59:39	56.250	-120.717	13.1*	3.3ML
2008/04/16	14:38:24	56.583	-122.237	1.0g	3.1ML
2008/04/16	19:44:54	56.532	-122.344	5.0g	3.5ML
2008/04/23	05:49:58	56.291	-120.659	1.0g	3.1ML
2008/05/16	04:28:19	56.518	-122.085	1.0g	2.7ML
2008/08/13	14:31:17	56.553	-122.686	15.0g	2.6ML
2008/10/08	22:39:51	56.467	-122.266	10.0g	3.0ML
2008/11/01	02:17:59	56.495	-122.423	10.0g	2.2ML
2009/04/20	16:36:59	56.534	-122.174	5.0g	2.8ML
2009/04/21	06:38:18	56.554	-122.240	5.0g	2.0ML
2009/04/30	01:52:05	56.471	-122.294	1.0g	2.8ML
2009/05/22	18:44:18	56.496	-122.313	20.3*	2.9ML
2009/05/23	07:50:24	56.520	-122.212	15.0g	2.7ML
2009/05/25	21:18:07	56.514	-122.070	10.0g	3.2ML
2009/05/26	18:40:57	56.488	-121.947	10.0g	2.7ML
2009/05/26	18:51:45	56.527	-122.086	10.0g	3.0ML
2009/06/10	03:44:43	56.532	-122.162	10.0g	3.1ML
2009/06/10	13:04:08	56.510	-122.270	10.0g	2.6ML
2009/06/14	21:28:17	56.527	-122.047	1.0g	3.5ML
2009/08/16	03:50:22	56.581	-122.220	2.8*	3.4ML
2009/08/21	11:25:44	56.853	-122.762	5.0g	2.5ML
2009/10/16	07:03:19	56.488	-122.412	30.0g	3.0ML
2009/12/22	21:08:41	56.547	-122.299	1.0g	2.7ML
2009/12/27	21:36:35	56.537	-122.292	5.0g	2.7ML
2010/01/09	22:28:00	56.526	-122.299	15.0g	2.9ML
2010/01/28	06:55:59	56.486	-122.334	20.0g	2.6ML
2010/01/30	00:18:54	55.796	-121.118	5.9*	2.6ML
2010/03/20	05:11:20	56.929	-121.992	25.0g	2.7ML
2010/07/12	14:21:15	56.138	-122.042	10.0g	2.5ML
2010/07/13	16:35:01	56.840	-121.508	1.0g	2.4ML
2010/09/29	12:27:44	56.633	-122.213	1.0g	4.0Mw
2010/10/22	11:06:33	56.492	-122.313	25.0g	2.5ML
2010/11/11	05:12:40	56.231	-121.973	25.0g	3.0ML
2011/02/07	07:20:15	56.693	-122.312	1.0g	2.9ML
2011/02/11	00:41:40	56.295	-121.985	13.5*	3.1ML
2011/02/17	00:48:45	55.383	-121.803	10.0g	2.8ML
2011/03/08	00:58:45	55.535	-121.980	1.0g	3.2ML
2011/03/09	00:58:33	55.516	-121.876	5.0g	2.7ML
2011/03/24	00:58:09	55.473	-121.831	5.0g	3.1ML
2011/03/28	08:57:32	56.600	-122.266	10.0g	2.8ML
2011/04/05	00:54:56	55.407	-121.843	1.0g	3.0ML
2011/04/13	20:31:18	56.538	-122.215	10.0g	3.1ML

2011/05/05	10:13:59	55.718	-123.580	15.0g	2.7ML
2011/10/29	12:40:38	56.272	-121.880	7.3*	3.1ML
2011/11/01	07:35:36	56.517	-122.194	10.0g	3.0ML
2011/11/04	03:37:05	56.522	-122.179	10.0g	3.2ML
2011/11/04	22:54:44	56.559	-122.170	1.0g	2.9ML
2011/12/24	00:07:26	55.354	-121.796	30.0g	2.9ML
2012/04/17	00:18:41	56.538	-122.299	10.0g	3.0ML
2012/04/17	07:09:36	56.542	-122.211	10.0g	3.0ML
2012/04/17	22:29:15	56.905	-122.119	15.0g	2.7ML
2012/05/11	13:04:13	56.224	-122.058	1.0g	3.4ML
2012/05/19	22:53:18	56.178	-121.745	10.0g	2.3ML
2012/10/11	09:49:05	56.243	-122.030	1.0g	2.4ML
2012/10/11	17:09:30	56.176	-122.007	1.0g	2.2ML
2012/10/11	23:09:39	56.240	-121.928	1.0g	3.2ML
2012/10/17	05:35:59	56.330	-120.906	10.0g	3.2ML
2012/10/24	07:14:03	56.264	-120.859	9.3*	3.0ML
2012/11/09	01:01:13	56.497	-122.960	1.0g	2.4ML
2013/01/13	18:28:17	55.694	-122.823	0.0g	1.7ML
2013/01/19	09:33:02	56.353	-121.829	10.0g	2.9ML
2013/01/19	16:35:32	56.328	-121.867	10.0g	3.0ML
2013/01/22	01:13:32	56.422	-122.096	5.0g	2.3ML
2013/01/22	04:50:14	56.540	-122.177	1.0g	2.9ML
2013/02/22	02:55:29	56.661	-122.091	1.0g	2.5ML
2013/03/05	04:23:18	56.274	-121.719	1.0g	1.6ML
2013/04/07	02:39:11	56.342	-121.852	10.6*	3.5ML
2013/04/07	12:52:25	56.269	-121.714	20.0g	2.9ML
2013/04/10	02:44:26	56.331	-121.916	10.0g	2.1ML
2013/04/16	05:37:37	56.391	-122.049	1.0g	2.5ML
2013/04/24	02:06:01	56.298	-121.976	15.0g	2.2ML
2013/04/27	02:06:44	56.531	-121.823	0.0g	1.9ML
2013/05/28	04:36:08	56.145	-120.868	5.0g	4.2Mw
2013/05/28	04:48:25	56.073	-121.023	10.0g	2.8ML
2013/06/02	00:56:05	56.011	-120.786	1.0g	2.5ML
2013/06/29	06:57:17	56.074	-120.819	1.0g	2.9ML
2013/07/13	06:36:57	56.082	-121.026	1.0g	2.7ML
2013/07/16	07:51:14	56.581	-122.089	5.0g	2.3ML
2013/07/19	22:17:06	55.393	-121.839	0.0*	2.9ML
2013/07/25	03:20:53	56.175	-121.929	10.0g	2.2ML
2013/07/25	16:14:00	56.200	-122.142	5.0g	1.8ML
2013/07/25	18:03:56	56.222	-121.984	5.0g	1.9ML
2013/07/25	19:24:32	56.162	-121.892	10.0g	1.7ML
2013/07/27	12:30:28	56.515	-122.282	10.0g	2.0ML
2013/07/30	17:09:42	56.242	-122.130	0.1*	2.4ML
2013/08/05	22:08:32	55.383	-121.635	10.0g	2.6ML
2013/08/07	07:06:21	56.476	-122.207	10.0g	2.5ML
2013/08/09	03:46:17	56.218	-121.942	10.4*	2.0ML
2013/08/10	03:13:33	56.182	-121.794	1.7*	2.3ML
2013/08/14	00:14:48	56.236	-121.764	0.0g	2.1ML
2013/08/16	19:42:38	56.098	-120.882	1.4*	2.6ML

2013/08/19	17:42:51	56.926	-121.984	5.0g	1.9ML
2013/08/20	04:04:34	56.925	-121.959	1.0g	1.6ML
2013/08/20	23:54:37	56.932	-122.055	5.0g	1.5ML
2013/08/21	00:04:16	56.887	-121.965	1.0g	1.5ML
2013/08/21	00:05:40	56.911	-122.063	5.0g	2.0ML
2013/08/21	15:31:31	56.907	-122.000	10.0g	3.4ML
2013/08/22	01:36:50	56.913	-122.067	5.0g	2.2ML
2013/08/23	05:42:28	56.912	-122.024	6.6*	2.1ML
2013/08/26	13:34:18	56.926	-121.902	1.0g	2.2ML
2013/08/26	18:30:27	56.168	-121.621	5.0g	1.9ML
2013/08/31	11:14:22	56.900	-122.016	6.7*	2.7ML
2013/09/01	16:12:38	56.188	-121.954	11.8*	2.4ML
2013/09/01	16:12:38	56.187	-121.953	11.7*	1.9ML
2013/09/01	17:30:47	56.185	-121.838	11.2*	1.9ML
2013/09/03	02:45:26	56.476	-121.738	5.0g	3.3ML
2013/09/04	22:34:18	56.571	-122.238	5.0g	1.8ML
2013/10/18	09:05:15	55.661	-121.099	10.0g	2.1ML
2013/10/21	18:14:36	55.439	-121.884	5.0g	2.2ML
2013/10/30	02:43:37	56.509	-122.196	10.0g	2.3ML
2013/11/01	22:10:39	56.892	-121.817	5.0g	1.9ML
2013/11/06	12:13:55	56.420	-121.791	10.0g	2.7ML
2013/11/18	08:33:05	56.411	-121.648	5.0g	2.7ML
2013/11/18	20:00:32	56.714	-122.034	5.0g	2.3ML
2013/11/21	07:36:28	56.758	-122.044	5.0g	2.1ML
2013/11/23	13:14:56	56.894	-122.058	14.5*	2.3ML
2013/11/29	07:38:32	56.550	-122.416	13.5*	2.5ML
2013/11/29	16:29:00	56.746	-122.238	8.3*	2.8ML
2013/12/04	12:06:37	56.453	-122.481	15.0g	2.2ML
2013/12/08	16:48:09	56.318	-121.988	15.0g	1.8ML
2013/12/12	07:59:33	56.089	-120.897	5.0g	2.1ML
2013/12/16	03:52:41	56.493	-122.382	10.0g	2.0ML
2013/12/17	02:34:05	56.542	-122.344	5.0g	2.5ML
2013/12/17	14:01:32	56.406	-122.297	10.0g	2.0ML
2013/12/19	06:06:20	56.477	-122.293	15.0g	1.7ML
2013/12/21	00:53:58	56.294	-121.865	5.0g	2.4ML
2013/12/22	09:46:23	56.468	-122.368	8.9*	1.9ML
2014/01/11	12:53:33	56.493	-122.242	5.0g	2.3ML
2014/01/14	22:20:05	55.647	-122.219	5.0g	3.1ML
2014/01/21	22:36:55	56.449	-121.849	5.0g	2.0ML
2014/01/22	09:37:06	56.918	-122.001	10.0g	2.2ML
2014/01/23	03:59:40	56.352	-121.830	10.0g	2.9ML
2014/02/09	04:43:55	56.544	-122.346	10.0g	2.1ML
2014/02/10	22:08:39	55.407	-121.755	5.0g	2.3ML
2014/02/27	05:08:43	56.809	-122.007	10.0g	2.0ML
2014/03/01	04:35:29	56.458	-121.766	5.0g	3.4ML
2014/03/01	18:33:03	56.310	-122.043	14.7*	2.5ML
2014/03/16	07:13:49	56.444	-121.791	5.0g	2.9ML
2014/03/18	22:01:55	55.412	-121.857	5.0g	3.0ML
2014/03/20	21:21:48	56.588	-121.589	10.0g	2.3ML



2014/03/22	22:09:56	55.438	-121.978	1.0g	3.0ML
2014/03/23	21:58:41	55.630	-121.981	5.0g	2.2ML
2014/04/01	02:19:08	56.322	-122.097	10.0g	1.7ML
2014/04/08	07:02:40	56.179	-122.142	10.0g	1.9ML
2014/04/09	22:29:47	56.377	-121.898	5.0g	2.4ML
2014/04/10	02:50:12	56.486	-122.212	10.0g	1.7ML
2014/04/10	05:31:09	56.516	-122.272	15.0g	2.7ML
2014/04/13	06:24:59	56.523	-122.234	10.0g	2.3ML
2014/04/15	15:24:13	56.506	-122.224	10.0g	2.1ML
2014/04/16	13:37:51	56.503	-122.297	10.0g	1.6ML
2014/04/21	23:28:41	56.060	-120.919	10.0g	2.5ML
2014/04/21	23:58:54	56.523	-122.451	5.0g	2.3ML
2014/04/23	12:56:45	56.409	-122.038	10.0g	1.8ML
2014/04/25	01:11:53	56.509	-122.214	10.0g	1.5ML
2014/04/28	01:37:45	56.518	-122.361	10.0g	2.7ML
2014/05/12	00:47:29	56.511	-122.330	10.0g	2.2ML
2014/05/12	18:44:23	56.823	-122.034	10.0g	2.3ML
2014/05/12	22:03:16	55.410	-121.782	5.0g	2.7ML
2014/05/14	13:45:00	56.324	-122.096	5.0g	2.2ML
2014/05/14	13:49:04	56.316	-122.180	10.0g	1.9ML
2014/05/18	23:13:36	56.273	-120.875	5.0g	2.2ML
2014/05/25	18:09:23	55.933	-121.099	10.0g	1.6ML
2014/05/25	23:40:27	55.949	-121.076	10.0g	2.0ML
2014/05/26	00:43:21	55.945	-121.089	10.0g	1.8ML
2014/05/29	00:11:54	55.255	-121.936	1.0g	2.8ML
2014/06/11	08:27:11	56.514	-122.353	15.0g	1.9ML
2014/06/25	03:45:50	56.574	-122.406	10.0g	1.6ML
2014/06/25	03:53:08	56.581	-122.509	10.0g	1.8ML
2014/06/25	07:48:22	56.600	-122.421	10.0g	2.0ML
2014/06/26	13:26:33	56.207	-122.110	5.0g	2.7ML
2014/06/30	19:38:46	56.238	-121.837	1.0g	3.0ML
2014/06/30	20:25:59	56.226	-121.824	5.0g	1.6ML
2014/07/01	07:31:49	56.234	-121.832	5.0g	2.2ML
2014/07/01	18:45:46	56.429	-121.839	5.0g	1.7ML
2014/07/03	01:19:09	56.319	-121.840	5.0g	2.2ML
2014/07/03	06:10:22	56.233	-121.972	10.0g	1.5ML
2014/07/08	23:12:51	56.437	-122.026	10.0g	1.6ML
2014/07/28	17:42:10	56.918	-121.928	5.0g	1.8ML
2014/07/29	09:54:12	56.919	-122.118	12.6*	2.2ML
2014/07/29	10:27:53	56.938	-122.102	9.3*	1.7ML
2014/07/29	13:06:12	56.933	-122.047	5.0g	1.8ML
2014/07/29	20:31:49	56.520	-122.130	5.0g	2.0ML
2014/07/30	07:54:55	56.931	-122.049	5.0g	1.9ML
2014/08/01	23:44:53	56.553	-122.144	5.0g	1.5ML
2014/08/10	06:21:32	56.361	-122.325	10.0g	1.5ML
2014/08/12	20:11:02	56.542	-122.431	5.0g	2.5ML
2014/08/13	11:59:20	56.327	-121.898	1.0g	1.7ML
2014/08/23	13:56:05	56.753	-122.015	12.2*	1.9ML
2014/08/23	21:13:45	56.797	-122.055	5.0g	2.5ML

2014/08/23	21:53:38	56.790	-121.977	6.5*	2.3ML
2014/08/24	00:33:23	56.306	-121.788	5.0g	1.6ML
2014/08/24	15:14:59	56.773	-121.949	5.0g	1.9ML
2014/08/26	01:35:21	56.759	-121.888	5.0g	1.7ML
2014/09/03	20:01:34	56.598	-122.371	5.0g	2.8ML
2014/09/10	04:49:02	56.069	-120.566	5.0g	1.6ML
2014/09/10	23:00:35	56.055	-120.534	10.0g	1.9ML
2014/09/11	08:04:34	56.071	-120.566	5.0g	1.5ML
2014/09/16	10:20:52	56.015	-120.583	16.1*	2.3ML
2014/09/18	12:49:40	56.317	-122.065	5.0g	1.5ML
2014/09/26	16:42:24	56.514	-122.270	1.0g	2.9ML
2014/09/26	20:10:51	56.480	-122.424	5.0g	2.0ML
2014/09/27	23:30:10	56.519	-122.339	10.0g	2.3ML
2014/10/05	23:53:00	56.398	-121.881	10.0g	1.7ML
2014/10/08	06:32:37	56.473	-122.336	10.0g	1.8ML
2014/10/09	10:59:55	56.464	-122.419	10.0g	1.7ML
2014/10/10	01:56:25	56.433	-121.969	10.0g	1.8ML
2014/10/10	16:54:08	56.051	-120.769	10.0g	1.8ML
2014/10/14	00:22:54	56.482	-122.243	15.0*	1.9ML
2014/10/15	15:30:17	56.314	-121.925	9.3*	1.6ML
2014/10/19	09:42:49	56.303	-121.833	12.5*	2.2ML
2014/10/21	05:57:59	56.598	-122.338	10.0g	2.7ML
2014/10/22	02:35:20	56.583	-122.334	1.0g	2.4ML
2014/11/23	01:34:03	56.331	-121.873	10.0g	2.8ML
2014/11/24	10:02:46	56.568	-122.376	10.0g	2.9ML
2014/11/25	02:21:19	56.554	-122.444	10.0g	2.3ML
2014/12/01	08:22:37	56.721	-121.321	10.0g	1.8ML
2014/12/02	11:17:21	56.492	-122.284	10.0g	2.0ML
2014/12/02	18:36:40	56.766	-121.498	10.0g	2.1ML
2014/12/02	18:49:16	56.768	-121.554	10.0g	2.0ML
2014/12/02	18:59:29	56.770	-121.516	5.0g	2.0ML
2014/12/06	17:04:43	56.555	-122.341	10.0g	2.1ML
2014/12/07	18:55:20	56.317	-121.903	5.0g	2.5ML
2014/12/11	10:46:25	56.300	-121.979	15.0g	1.9ML
2014/12/16	08:44:27	56.470	-122.384	11.8*	2.1ML
2014/12/16	10:24:47	56.485	-122.289	0.0g	2.0ML
2014/12/16	10:43:43	56.476	-122.412	13.9*	2.0ML
2014/12/17	10:01:48	56.344	-121.890	7.9*	3.5ML
2014/12/17	16:34:30	56.313	-121.858	5.0g	2.2ML
2014/12/18	05:25:38	56.495	-122.190	10.0g	2.0ML
2014/12/18	11:57:50	56.298	-121.962	15.0g	2.0ML
2014/12/20	13:05:30	56.300	-121.905	20.0g	2.4ML
2014/12/21	00:18:36	56.533	-122.242	5.0g	3.1ML
2014/12/23	19:05:57	56.320	-121.949	5.0g	1.5ML
2014/12/26	05:03:29	56.357	-121.882	0.0*	2.2ML
2014/12/27	10:28:58	56.335	-121.843	5.9*	2.4ML
2014/12/29	15:03:13	56.335	-121.905	5.0g	3.3ML
2015/01/02	01:15:38	56.305	-122.122	20.0g	2.3ML
2015/01/05	02:10:58	56.325	-121.918	10.0g	2.2ML

2015/01/08	01:35:27	56.591	-122.368	5.0g	1.6ML
2015/01/11	02:24:08	56.544	-121.885	10.0g	1.9ML
2015/01/14	02:25:49	56.470	-122.297	5.0g	2.4ML
2015/01/15	07:18:36	56.422	-121.822	10.0g	2.2ML
2015/02/02	03:59:39	56.038	-122.624	30.6*	1.9ML
2015/02/05	06:41:00	56.309	-121.936	12.0*	2.1ML
2015/02/05	13:27:58	56.867	-122.783	20.0g	1.9ML
2015/02/06	23:28:56	56.867	-122.368	5.0g	2.4ML
2015/02/09	02:23:27	56.875	-122.205	5.0g	1.7ML
2015/02/09	22:19:42	56.902	-122.229	2.7*	2.4ML
2015/02/09	22:20:59	56.870	-122.201	5.9*	2.1ML
2015/02/12	13:34:51	56.307	-121.821	1.0g	1.8ML
2015/02/12	19:03:39	56.312	-122.073	10.0g	1.7ML
2015/02/20	07:43:14	56.928	-122.178	5.0g	2.6ML
2015/02/22	13:21:31	56.487	-122.260	10.0g	1.8ML
2015/02/26	16:43:57	56.303	-121.910	4.5*	2.6ML
2015/02/27	07:39:12	56.298	-121.909	11.5*	2.2ML
2015/03/03	02:45:03	56.547	-122.414	14.4*	1.9ML
2015/03/07	03:36:51	56.312	-121.934	14.1*	1.8ML
2015/03/10	18:42:34	56.318	-121.921	5.0g	2.0ML
2015/03/10	20:07:42	56.445	-121.851	13.2*	1.9ML
2015/03/12	11:53:08	56.767	-121.777	8.4*	2.2ML
2015/03/16	00:21:18	55.428	-123.160	10.0g	1.7ML
2015/03/16	01:15:02	55.426	-123.190	5.0g	1.9ML
2015/03/19	08:40:39	56.290	-121.933	10.0g	2.0ML
2015/03/21	15:49:20	56.215	-122.128	8.7*	3.0ML
2015/03/26	16:42:37	56.684	-122.063	10.0g	1.9ML
2015/03/26	22:55:15	56.328	-122.062	5.0g	1.7ML
2015/03/29	00:41:39	56.854	-121.992	5.0g	1.9ML
2015/04/04	03:28:48	56.452	-121.800	5.8*	2.1ML
2015/04/05	17:54:39	56.064	-121.070	5.0g	2.2ML
2015/04/06	02:34:56	56.886	-122.212	5.0g	3.0ML
2015/04/23	05:58:07	56.297	-121.901	11.1*	1.5ML
2015/04/27	09:49:51	56.631	-122.333	10.0g	1.9ML
2015/04/27	11:31:52	56.628	-122.126	10.0g	1.8ML
2015/05/02	15:43:30	56.320	-121.853	5.0g	2.0ML
2015/05/05	22:39:41	56.413	-121.854	1.0g	2.0ML
2015/05/10	06:48:38	56.397	-121.845	5.0g	2.1ML
2015/05/10	11:47:01	56.456	-121.844	5.0g	2.2ML
2015/05/11	23:24:02	56.651	-122.105	1.0g	1.6ML
2015/07/24	06:16:43	56.569	-122.409	9.5*	2.3ML
2015/07/29	05:37:16	56.344	-121.920	1.0g	1.5ML
2015/08/04	13:27:48	56.548	-122.400	10.0g	2.1ML
2015/08/08	02:34:15	56.226	-122.096	5.0g	1.7ML
2015/08/12	14:32:11	56.103	-122.183	21.3*	1.6ML
2015/08/28	03:52:18	56.605	-122.316	12.1*	3.3ML
2015/09/03	21:31:50	56.631	-122.396	10.0g	1.8ML
2015/09/06	04:36:04	56.431	-121.824	10.0g	1.8ML
2015/09/07	18:18:28	56.749	-122.001	15.0g	1.7ML

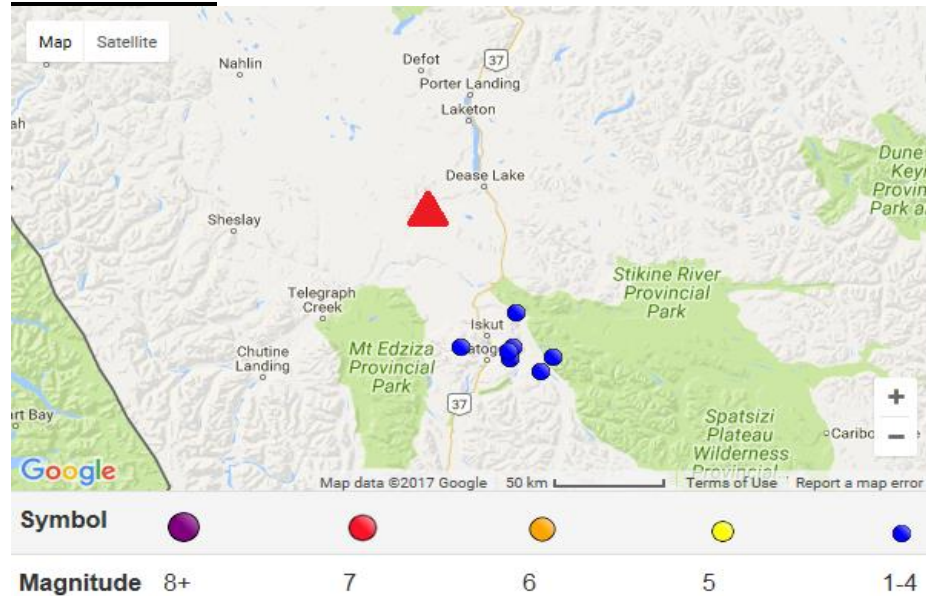
2015/09/07	20:33:43	56.776	-122.135	15.0g	2.1ML
2015/09/09	14:58:56	56.764	-122.140	15.0g	2.2ML
2015/09/10	09:00:53	56.749	-122.344	20.0g	1.8ML
2015/09/16	03:12:39	56.750	-122.418	18.2*	2.1ML
2015/09/24	00:18:58	56.570	-122.384	5.0g	1.9ML
2015/09/25	02:59:31	56.302	-121.851	11.1*	2.3ML
2015/09/29	22:19:02	56.929	-122.083	8.5*	1.8ML
2015/09/30	18:32:49	56.907	-122.228	5.0g	2.1ML
2015/10/01	19:27:42	56.318	-121.866	5.0g	1.5ML
2015/10/02	22:45:48	56.112	-121.095	5.0g	2.2ML
2015/10/02	23:27:33	56.111	-121.096	10.0g	2.2ML
2015/10/02	23:44:44	56.121	-121.088	5.0g	1.7ML
2015/10/03	00:37:51	56.124	-121.064	7.3*	1.9ML
2015/10/03	21:39:27	56.105	-121.118	11.0*	2.0ML
2015/10/03	23:22:49	56.110	-121.113	6.1*	2.2ML
2015/10/04	13:14:28	56.400	-121.652	12.4*	1.8ML
2015/10/05	10:04:15	56.540	-122.394	10.0g	1.8ML
2015/10/07	03:44:04	56.101	-121.087	10.0g	1.9ML
2015/10/08	13:10:37	56.555	-122.326	1.9*	1.6ML
2015/10/15	12:35:56	56.619	-122.398	5.8*	2.6ML
2015/10/15	19:32:46	56.938	-122.145	10.0g	2.1ML
2015/10/22	04:20:56	56.523	-122.300	20.0g	2.5ML
2015/10/23	12:12:37	56.298	-121.928	10.0g	2.2ML
2015/10/23	13:22:23	56.338	-121.998	5.0g	2.0ML
2015/10/23	15:00:31	56.085	-121.034	5.0g	1.8ML
2015/10/23	17:05:10	56.338	-122.018	5.0g	1.7ML
2015/10/23	17:28:39	56.933	-121.998	10.0g	1.8ML
2015/10/26	15:12:30	56.914	-121.948	5.0g	2.4ML
2015/11/03	10:09:33	56.029	-120.998	10.0g	2.6ML
2015/11/03	22:26:14	56.744	-122.126	5.0g	2.2ML
2015/11/05	11:12:47	56.754	-122.062	20.0g	2.0ML
2015/11/05	14:37:13	56.822	-122.156	5.0g	2.5ML
2015/11/09	11:58:00	56.586	-122.386	10.0g	2.0ML
2015/11/10	10:23:06	56.558	-122.135	15.0g	1.7ML
2015/11/12	02:01:23	56.288	-121.781	5.0g	2.0ML
2015/11/12	16:21:57	56.335	-121.916	1.0g	1.6ML
2015/11/18	03:26:08	56.063	-121.120	10.0g	2.8ML
2015/11/21	17:10:36	55.866	-123.103	15.0g	2.1ML
2015/11/22	08:07:20	56.218	-122.090	10.0g	2.3ML
2015/11/23	21:29:48	56.198	-121.851	1.0g	2.3ML
2015/11/29	16:20:53	56.035	-120.874	5.0g	3.9Mw
2015/12/11	16:58:29	56.450	-121.384	18.5*	1.5ML
2015/12/13	18:27:43	56.527	-122.409	13.4*	2.3ML
2015/12/24	02:18:01	56.138	-122.388	10.0g	1.5ML
2015/12/28	03:38:23	56.541	-121.607	10.0g	2.0ML
2016/01/01	00:37:53	56.434	-121.861	16.0*	2.5ML
2016/01/01	12:05:42	56.306	-121.878	1.0g	2.0ML
2016/01/01	17:01:46	56.505	-122.429	1.0g	2.0ML
2016/01/01	18:06:26	56.491	-122.344	1.0g	1.9ML

2016/01/04	11:28:15	56.193	-122.090	5.0g	2.0ML
2016/01/04	12:27:10	56.204	-122.083	10.0g	2.0ML
2016/01/06	17:45:26	56.183	-122.237	1.0g	1.7ML
2016/01/06	19:30:37	56.108	-122.163	20.0g	1.6ML
2016/01/09	10:03:09	56.941	-122.162	1.0g	1.8ML
2016/01/10	14:54:48	56.245	-122.228	1.0g	2.2ML
2016/01/11	00:24:54	56.409	-121.804	20.0g	2.0ML
2016/01/13	02:17:45	56.611	-121.778	10.0g	1.9ML
2016/02/08	01:59:24	56.212	-122.238	7.6*	2.3ML
2016/02/08	02:32:34	56.135	-122.319	16.9*	2.0ML
2016/02/08	18:34:11	56.195	-122.248	10.0*	2.5ML
2016/02/08	21:10:30	56.162	-122.268	7.6*	2.5ML
2016/02/09	03:44:58	56.131	-122.368	12.2*	2.0ML
2016/02/09	17:50:53	56.155	-122.392	1.0g	2.3ML
2016/02/09	22:20:45	56.211	-122.179	1.0g	1.8ML
2016/02/10	02:39:07	56.200	-122.224	7.5*	2.2ML
2016/02/10	04:14:49	56.224	-122.100	1.0g	2.1ML
2016/02/15	17:19:25	56.809	-121.949	19.3*	1.7ML
2016/02/17	03:17:44	56.691	-122.060	14.6*	1.9ML
2016/02/17	04:26:09	56.057	-121.026	6.9*	1.8ML
2016/02/20	21:12:55	56.212	-122.066	1.0g	2.0ML
2016/02/22	00:49:25	56.481	-122.268	21.2*	2.0ML
2016/02/22	00:57:49	56.479	-122.296	12.8*	1.8ML
2016/02/22	02:16:25	56.494	-122.364	13.2*	2.2ML
2016/02/22	05:43:43	56.539	-122.198	7.8*	2.4ML
2016/02/22	10:24:38	56.502	-122.291	15.8*	2.3ML
2016/02/22	18:44:51	56.493	-122.337	13.4*	2.0ML
2016/02/23	18:39:20	56.477	-122.519	11.3*	1.9ML
2016/02/27	03:16:14	56.791	-122.168	10.0g	2.3ML
2016/02/27	13:03:08	56.596	-122.450	10.0g	2.3ML
2016/02/27	18:23:17	56.299	-121.843	11.9*	2.0ML
2016/03/01	13:22:00	56.342	-122.105	5.0g	1.7ML
2016/03/01	16:27:37	56.480	-122.373	13.8*	1.9ML
2016/03/01	16:28:17	56.942	-122.071	2.3*	1.9ML
2016/03/03	21:08:47	56.776	-121.996	1.0g	1.9ML
2016/03/04	03:02:49	56.482	-121.809	6.7*	2.3ML
2016/03/08	07:09:49	56.680	-122.004	1.5*	1.9ML
2016/03/09	04:38:05	56.318	-121.945	1.0g	2.2ML
2016/03/09	17:09:14	56.254	-122.541	5.0g	2.1ML
2016/03/12	08:09:04	56.342	-121.951	5.6*	2.2ML
2016/03/15	09:37:07	56.313	-121.963	1.0g	2.2ML
2016/03/15	20:55:18	56.274	-122.101	15.1*	1.6ML
2016/03/16	01:45:03	56.332	-121.997	8.4*	2.0ML
2016/03/16	02:42:34	56.305	-121.906	5.9*	1.8ML
2016/03/19	00:13:00	56.314	-122.019	12.8*	1.8ML
2016/03/19	06:02:07	56.349	-121.986	5.0g	1.9ML
2016/03/20	09:19:31	56.299	-121.951	9.7*	1.8ML
2016/03/23	02:34:53	56.312	-122.055	12.2*	2.0ML
2016/03/28	06:12:27	56.922	-122.181	5.0g	1.8ML

2016/03/29	03:39:30	56.349	-121.917	2.3*	1.9ML
2016/04/06	14:07:03	56.527	-122.403	6.8*	2.1ML
2016/04/25	11:05:47	56.929	-122.253	12.9*	1.9ML
2016/04/25	16:08:45	56.253	-122.374	7.3*	1.8ML
2016/04/27	10:18:06	56.350	-121.951	8.0*	1.9ML
2016/04/28	19:06:55	56.550	-122.618	11.3*	2.0ML
2016/04/28	19:09:18	56.563	-122.526	10.7*	2.0ML
2016/04/28	19:43:24	56.576	-122.404	19.1*	1.8ML
2016/05/01	05:54:05	56.341	-121.950	4.6*	2.2ML
2016/05/02	06:21:13	56.583	-122.345	7.2*	2.6ML
2016/05/10	16:37:56	56.549	-121.623	7.0*	2.3ML
2016/05/12	10:43:04	56.322	-122.006	9.3*	1.7ML
2016/05/16	04:02:23	56.331	-121.989	6.6*	1.7ML
2016/05/20	00:10:56	56.259	-122.325	18.6*	1.7ML
2016/05/20	06:41:29	56.285	-122.287	15.0g	1.6ML
2016/06/03	14:01:05	56.330	-122.168	6.4*	1.9ML
2016/06/08	14:08:17	56.316	-121.988	6.6*	1.9ML
2016/06/08	17:05:21	56.538	-122.404	1.0g	1.7ML
2016/06/14	10:04:59	56.175	-121.893	10.0g	1.5ML
2016/06/16	06:36:33	56.320	-121.860	4.2*	2.1ML
2016/06/19	04:27:39	56.543	-122.424	0.3*	1.7ML
2016/07/08	08:13:17	56.508	-122.377	7.8*	1.8ML
2016/07/14	14:41:34	56.872	-122.081	9.5*	2.1ML
2016/07/15	04:17:28	56.731	-122.167	11.3*	2.4ML
2016/07/24	00:39:56	56.853	-122.041	7.2*	1.7ML
2016/07/25	04:26:43	56.361	-121.993	0.1*	1.6ML
2016/07/26	02:13:13	56.339	-122.315	8.2*	1.7ML
2016/08/04	08:15:09	56.066	-120.749	3.6*	1.9ML
2016/08/04	11:16:25	56.084	-120.725	6.2*	1.8ML
2016/08/04	11:43:59	56.081	-120.699	3.9*	1.8ML
2016/08/04	13:29:05	56.358	-122.088	3.4*	1.5ML
2016/08/04	16:20:04	56.070	-120.746	5.3*	2.0ML
2016/08/04	16:47:57	56.074	-120.739	4.2*	2.0ML
2016/08/04	19:19:20	56.077	-120.738	4.5*	1.8ML
2016/08/04	19:27:34	56.077	-120.719	6.4*	1.7ML
2016/08/04	21:37:53	56.329	-122.379	7.7*	1.5ML
2016/08/05	02:36:28	56.306	-122.279	9.2*	2.2ML
2016/08/08	01:49:44	56.330	-122.391	8.8*	2.3ML
2016/08/09	12:06:59	56.272	-122.540	10.6*	2.2ML
2016/10/04	04:21:04	56.478	-122.336	7.7*	2.7ML
2016/10/04	04:38:39	56.928	-122.245	12.4*	2.8ML
2016/10/05	00:30:43	56.688	-122.147	6.4*	2.4ML
2016/10/10	09:19:29	56.456	-121.788	5.6*	2.7ML
2016/10/18	01:14:16	56.744	-121.834	8.2*	2.0ML
2016/10/21	15:58:21	56.044	-120.562	3.2*	2.6ML
2016/10/23	14:09:50	56.049	-120.585	8.9*	2.4ML
2016/10/25	20:49:52	56.061	-120.585	5.6*	2.5ML
2016/10/25	22:25:41	56.060	-120.557	8.2*	2.3ML
2016/10/26	04:04:30	56.058	-120.581	6.2*	2.6ML

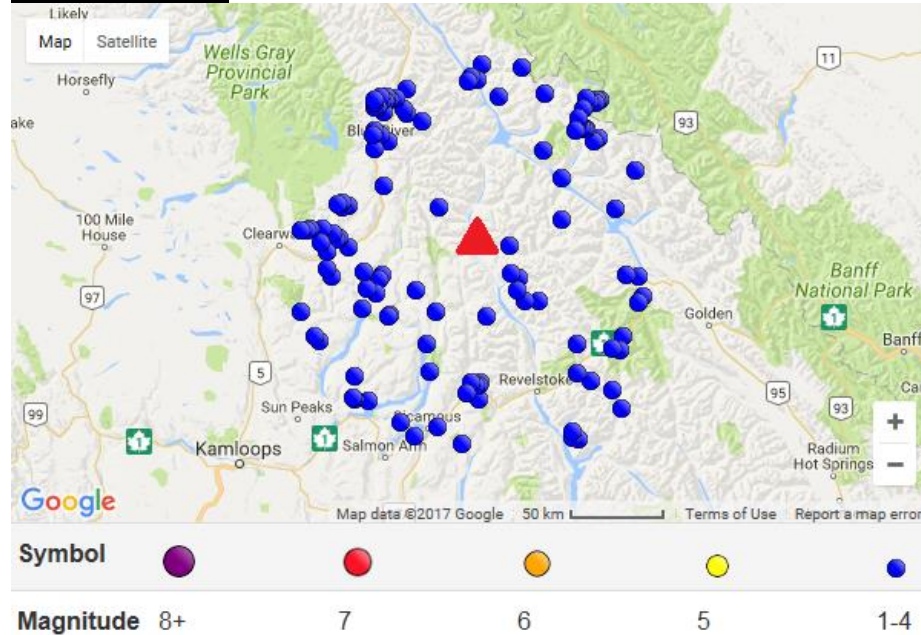
2016/11/10	05:58:34	56.353	-121.954	5.4*	3.1ML
2016/11/10	06:24:54	56.311	-122.051	10.0g	2.3ML
2016/11/19	22:45:48	55.394	-121.854	5.0g	2.8ML
2016/11/30	06:07:10	56.630	-122.132	8.1*	2.9ML
2016/12/03	05:13:55	56.268	-122.089	14.1*	3.4ML
2016/12/06	06:52:43	56.438	-121.820	4.4*	2.6ML
2016/12/30	00:06:24	56.591	-122.379	1.0g	3.2ML
<a href="http://www.earthquakescanada.nrcan.gc.ca/">http://www.earthquakescanada.nrcan.gc.ca/</a>					

**Station: DLBC**



Station: DLBC Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19940928.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
2015/02/17	23:39:24	57.649	-129.599	1.0g	2.5ML
2015/06/07	18:17:23	57.752	-130.164	5.0g	2.9ML
2015/06/30	18:13:10	57.892	-129.776	22.0*	2.3ML
2015/07/25	15:19:32	57.705	-129.816	1.0g	1.8ML
2016/04/13	23:08:30	57.750	-129.788	10.0g	2.7ML
2016/09/28	01:13:49	57.734	-129.824	1.0g	2.3ML
2016/11/18	21:16:19	57.710	-129.822	1.0g	2.7ML
2016/12/25	19:07:12	57.708	-129.507	5.0g	2.0ML
<a href="http://www.earthquakescanada.nrcan.gc.ca/">http://www.earthquakescanada.nrcan.gc.ca/</a>					

**Station: DOWB**



Station: DOWB Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19970613.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
1997/07/28	03:50:38	52.073	-117.784	0.0g	2.5ML
1997/07/28	04:17:36	52.083	-117.746	0.0g	2.2ML
1997/07/31	14:26:37	52.268	-119.315	10.0g	1.5ML
1997/11/24	13:29:18	51.794	-119.617	5.0g	2.6ML
1998/01/19	06:44:27	51.366	-118.184	5.0g	1.6ML
1998/01/20	22:45:45	52.215	-119.150	10.0g	1.5ML
1998/01/26	18:47:32	51.688	-119.816	0.0g	2.6ML
1998/06/29	22:10:18	52.041	-119.360	10.0g	1.5ML
1998/07/26	08:10:17	52.163	-117.892	0.0g	2.1ML
1999/01/01	06:00:10	52.030	-118.142	5.0g	2.3ML
1999/02/27	19:15:04	52.260	-117.844	5.0g	2.3ML
1999/04/06	10:48:37	52.075	-119.262	10.0g	1.7ML
1999/05/18	10:14:05	50.985	-118.630	5.0g	2.3ML
1999/05/22	08:13:19	52.284	-118.138	0.0g	1.7ML
1999/07/02	04:45:20	51.639	-119.627	10.0g	2.7ML
1999/07/02	07:51:06	51.644	-119.612	10.0g	2.3ML
1999/09/04	05:40:25	50.883	-117.587	0.0g	1.9ML
1999/09/30	08:19:41	51.410	-119.064	10.0g	2.9ML
2000/03/22	05:52:37	52.246	-119.279	10.0g	1.5ML
2000/05/03	02:21:34	52.412	-118.587	1.0g	1.5ML
2000/05/07	14:11:25	50.823	-119.172	15.0g	1.6ML
2000/08/01	01:53:34	51.909	-118.015	1.0g	1.7ML
2000/11/26	05:32:59	51.039	-117.906	10.0g	1.5ML
2001/01/02	13:06:08	52.256	-119.263	1.0g	2.1ML
2001/01/02	13:09:23	52.263	-119.203	1.0g	1.6ML
2001/01/04	00:36:53	52.258	-119.296	9.1*	2.4ML



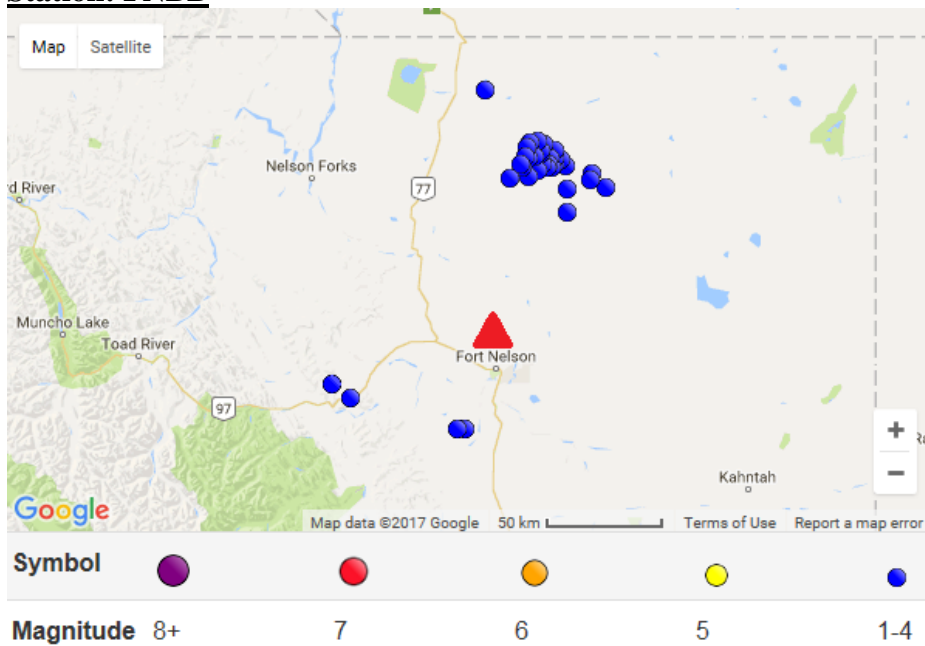
2001/01/05	01:49:55	52.277	-119.277	10.0g	2.1ML
2001/01/29	03:09:38	52.267	-119.265	1.0g	1.6ML
2001/02/26	21:17:14	52.250	-119.324	11.0*	3.8ML
2001/02/26	21:40:50	52.263	-119.286	6.6*	1.6ML
2001/02/26	22:02:56	52.253	-119.327	9.6*	1.5ML
2001/03/14	04:01:11	52.250	-119.295	3.2*	1.6ML
2001/03/23	07:01:03	52.241	-119.331	17.4*	2.7ML
2001/03/23	14:27:15	52.229	-119.334	10.4*	2.1ML
2001/04/07	03:22:21	52.252	-119.354	6.8*	1.9ML
2001/04/07	09:15:42	52.098	-119.313	11.5*	1.8ML
2001/04/27	07:11:45	51.174	-117.906	1.0g	1.8ML
2001/05/25	03:35:14	52.233	-119.319	12.8*	1.6ML
2001/06/25	19:57:47	52.246	-119.305	9.3*	2.1ML
2001/08/16	07:02:13	52.242	-119.355	13.1*	1.6ML
2001/10/14	09:52:07	50.801	-118.905	5.1*	1.7ML
2001/10/15	10:58:46	51.728	-118.020	10.0g	1.8ML
2002/01/06	09:52:12	52.100	-119.361	11.7*	2.1ML
2002/01/06	17:57:32	52.304	-119.120	11.6*	1.7ML
2002/02/27	17:00:36	50.754	-119.071	10.0g	1.7ML
2002/07/27	15:58:10	51.787	-119.544	12.9*	1.6ML
2002/11/03	23:36:46	51.688	-119.733	1.0g	2.1ML
2003/01/27	23:37:24	51.318	-118.918	1.0g	2.2ML
2003/12/30	13:22:06	52.354	-118.661	6.1*	3.3ML
2004/04/01	20:25:16	51.174	-118.984	1.0g	2.6ML
2004/10/16	08:55:34	51.782	-118.899	10.0g	1.6ML
2004/12/02	10:30:01	52.394	-118.305	1.0g	3.0ML
2005/03/20	14:13:45	51.876	-119.288	5.0g	2.2ML
2005/10/28	09:12:47	52.132	-117.869	1.0g	1.5ML
2005/12/13	16:57:59	50.951	-118.699	1.0g	1.6ML
2006/12/08	07:23:06	51.398	-119.341	8.1*	1.7ML
2007/05/26	19:10:44	51.613	-118.388	5.0g	1.7ML
2007/06/11	05:47:55	52.271	-118.462	1.0g	1.5ML
2007/06/24	09:41:34	51.775	-117.629	0.0g	1.9ML
2007/07/20	06:36:21	52.177	-117.891	10.0g	2.2ML
2007/10/09	23:16:37	51.294	-119.253	1.0g	2.5ML
2007/10/09	23:41:18	51.304	-119.242	1.0g	2.0ML
2007/10/11	13:09:03	51.302	-119.241	1.0g	2.2ML
2008/01/08	06:28:09	52.244	-117.778	1.0g	2.4ML
2008/02/05	07:24:52	51.317	-119.879	10.0g	1.8ML
2008/03/21	03:39:57	51.583	-119.698	2.0*	1.6ML
2008/03/24	01:42:45	52.249	-119.294	10.0g	2.0ML
2008/07/09	09:09:38	52.126	-117.844	1.0g	1.6ML
2008/10/31	12:43:37	51.009	-118.667	4.3*	1.6ML
2008/11/26	01:02:26	51.296	-118.551	10.0g	2.1ML
2008/12/03	06:26:22	51.207	-119.782	1.0g	1.5ML
2009/01/05	11:51:54	51.494	-119.435	1.0g	1.6ML
2009/04/20	08:35:04	51.186	-119.753	10.0g	2.3ML
2009/05/10	00:16:30	51.001	-118.667	5.0g	3.4ML
2009/05/10	00:25:57	51.005	-118.650	5.0g	1.7ML

2009/05/10	07:50:07	50.999	-118.593	5.0g	1.5ML
2009/05/10	19:29:29	50.987	-118.613	1.0g	1.5ML
2009/06/06	04:27:30	50.741	-117.893	1.0g	1.5ML
2009/08/20	18:29:06	51.678	-119.836	1.0g	1.6ML
2009/08/22	03:19:27	51.029	-119.493	1.0g	2.1ML
2009/08/24	13:49:20	51.678	-119.887	10.0g	1.8ML
2009/11/03	10:57:49	51.941	-117.487	1.0g	2.7ML
2009/11/11	07:59:54	52.196	-119.129	10.0g	2.9ML
2009/12/15	06:23:14	52.222	-119.338	10.0g	2.1ML
2009/12/18	07:56:59	52.221	-119.357	10.8*	2.5ML
2009/12/29	09:41:17	51.478	-119.300	5.0g	1.9ML
2010/02/28	10:32:36	52.252	-117.738	10.0g	1.6ML
2010/03/02	17:50:33	50.922	-118.608	1.0g	2.2ML
2010/06/16	14:33:44	52.253	-119.291	10.0g	2.3ML
2010/07/01	07:26:32	51.047	-118.956	1.1*	1.7ML
2010/07/28	16:35:51	50.781	-117.933	1.0g	1.5ML
2010/08/02	13:12:56	51.009	-117.806	1.0g	2.7ML
2010/08/25	10:52:49	51.012	-117.794	1.0g	1.6ML
2010/08/27	06:52:25	51.799	-119.608	9.1*	2.1ML
2011/04/10	14:16:00	50.914	-119.403	5.0g	2.2ML
2011/05/25	13:16:33	51.604	-119.542	1.0g	2.0ML
2011/09/19	18:11:02	51.652	-119.619	1.0g	2.3ML
2011/11/13	11:58:46	51.669	-119.649	5.0g	2.9ML
2012/03/11	02:16:13	52.252	-117.764	18.4*	1.6ML
2012/06/30	13:50:58	52.216	-117.865	2.7*	2.8ML
2012/12/23	09:43:00	51.415	-118.329	1.0g	2.4ML
2013/04/26	22:26:13	52.159	-119.010	1.0g	1.5ML
2013/05/04	19:33:01	52.243	-119.330	11.1*	3.2ML
2013/05/13	10:29:30	52.335	-118.685	5.0g	1.7ML
2013/06/13	13:10:05	51.458	-119.319	5.0g	2.0ML
2013/07/06	13:56:17	50.964	-117.658	1.0g	1.5ML
2013/07/12	21:00:49	52.121	-117.915	1.0g	2.4ML
2013/07/26	11:49:02	51.367	-118.282	5.0g	2.0ML
2013/07/26	11:57:41	51.375	-118.274	5.0g	1.5ML
2013/07/29	04:41:59	51.784	-119.581	1.0g	1.6ML
2013/08/23	02:07:54	52.201	-119.286	4.4*	1.9ML
2014/01/16	09:17:43	51.148	-117.597	10.0g	1.7ML
2014/01/16	09:58:29	51.209	-117.580	1.0g	1.7ML
2014/01/16	15:08:00	51.150	-117.648	5.0g	2.3ML
2014/03/13	04:29:13	50.721	-118.732	1.0g	2.0ML
2014/09/26	11:56:22	51.473	-117.468	20.0g	2.1ML
2014/09/26	12:00:15	51.387	-117.431	20.0g	1.8ML
2014/12/02	07:44:42	50.933	-119.504	1.0g	1.7ML
2014/12/02	11:06:49	50.926	-119.502	5.0g	2.0ML
2014/12/03	09:09:19	51.470	-118.322	10.2*	1.7ML
2014/12/12	08:31:39	51.800	-119.583	1.0g	1.7ML
2015/01/08	02:33:15	50.751	-117.941	1.0g	2.4ML
2015/01/13	12:55:19	51.479	-117.555	5.0g	2.9ML
2015/03/19	07:41:54	52.251	-117.820	1.0g	1.9ML

2015/05/19	10:49:43	52.127	-117.847	1.0g	1.7ML
2015/08/17	04:48:24	51.421	-119.408	5.0g	2.4ML
2015/12/02	14:52:29	51.625	-119.739	10.0g	2.3ML
2015/12/31	04:32:11	51.491	-118.373	1.0g	1.9ML
2016/01/31	06:50:19	51.328	-119.446	1.0g	1.9ML
2016/04/08	11:49:44	52.258	-119.248	0.0*	1.6ML
2016/04/20	11:48:44	51.509	-119.700	1.0g	1.5ML
2016/04/20	11:49:17	51.476	-119.667	1.0g	1.5ML
2016/07/15	06:14:57	51.355	-117.467	10.0g	1.8ML
2016/08/23	05:41:12	52.340	-118.620	3.3*	2.1ML
2016/11/03	10:05:48	52.123	-119.354	12.0*	2.3ML

<http://www.earthquakescanada.nrcan.gc.ca/>

**Station: FNBB**



Station: FNBB Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19991024.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
2002/11/01	03:15:42	58.576	-123.587	10.0	2.2ML*
2004/02/15	08:38:15	58.660	-123.725	1.0g	2.3MN
2009/04/08	21:27:37	59.455	-122.021	1.0g	2.3ML
2008/08/11	07:47:44	59.425	-122.171	10.0	2.2ML*
2009/04/08	21:30:23	59.431	-121.919	1.0g	2.3ML
2009/04/09	16:34:00	59.479	-122.012	1.0g	2.2ML
2010/06/11	22:25:19	59.502	-122.303	15.0g	3.4ML
2010/08/03	20:15:35	59.514	-122.273	10.0g	2.7ML
2010/08/22	09:30:20	59.531	-122.233	1.0g	2.4ML

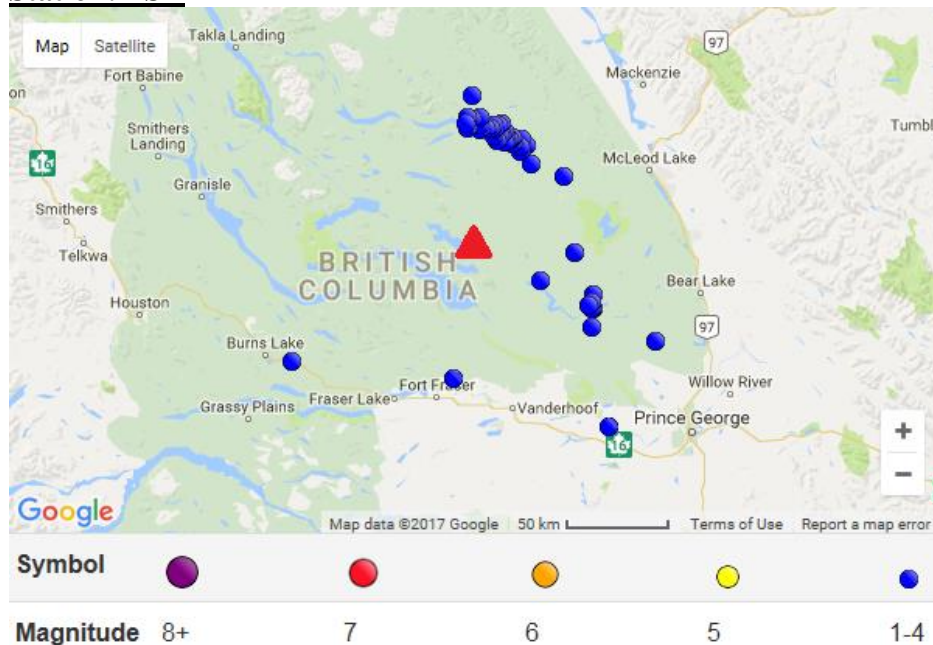
2010/09/30	12:31:43	59.602	-122.389	10.0g	2.9ML
2010/09/30	12:33:36	59.576	-122.480	20.0g	3.0ML
2010/10/03	08:06:50	59.562	-122.274	1.0g	3.5ML
2010/10/04	11:09:34	59.587	-122.355	10.0g	2.9ML
2010/10/05	13:30:28	59.534	-122.273	1.0g	3.1ML
2010/10/05	22:01:14	59.598	-122.394	1.0g	3.6ML
2010/10/09	10:00:31	59.538	-122.421	15.0g	3.1ML
2010/10/12	17:09:40	59.589	-122.451	10.0g	3.4ML
2010/10/12	19:19:44	59.534	-122.306	10.0g	3.0ML
2010/10/12	21:01:11	59.550	-122.382	10.0g	3.4ML
2011/03/04	03:09:05	59.499	-122.338	20.0g	3.3ML
2011/04/07	12:19:20	59.499	-122.507	25.0g	3.2ML
2011/04/28	22:34:51	59.465	-122.468	20.0g	2.5ML
2011/04/30	13:27:30	59.463	-122.593	19.4*	3.1ML
2011/05/03	12:56:29	59.514	-122.321	0.0*	3.2ML
2011/05/10	14:16:03	59.513	-122.368	1.0g	3.5ML
2011/05/18	14:16:40	59.489	-122.335	10.0	2.8ML*
2011/05/19	13:05:15	59.489	-122.405	10.0g	3.6Mw
2011/05/19	13:13:43	59.473	-122.475	10.0g	3.3ML
2011/05/20	06:22:34	59.511	-122.525	10.0g	3.0ML
2011/05/29	08:09:47	59.537	-122.463	5.0g	3.1ML
2011/06/25	04:49:18	59.520	-122.397	10.0	2.6ML*
2011/06/26	13:17:02	59.560	-122.374	3.8*	2.7ML
2011/07/01	09:32:46	59.538	-122.486	10.0g	2.6ML
2011/07/07	22:46:37	59.489	-122.399	20.0g	3.1ML
2011/07/14	10:40:32	59.507	-122.203	10.0g	2.5ML
2011/07/27	04:08:18	59.240	-121.984	10.0	2.6ML*
2011/07/28	22:18:32	59.498	-122.440	11.5	2.8ML*
2011/07/31	09:34:02	59.487	-122.358	8.8	3.1ML*
2011/08/01	22:17:35	59.300	-122.017	8.8	2.8ML*
2011/08/01	22:36:25	59.300	-122.046	8.1	2.6ML*
2011/08/02	01:27:06	59.305	-122.043	7.6	2.9ML*
2011/08/05	06:13:02	59.268	-121.981	10.0	2.3ML*
2011/10/30	15:24:26	58.218	-122.775	8.2	3.1ML*
2011/12/09	18:01:23	59.522	-122.681	9.0	2.6ML*
2011/12/10	02:52:39	59.516	-122.632	13.2	2.9ML*
2011/12/10	14:28:23	59.499	-122.596	17.2	2.7ML*
2011/12/10	23:14:37	59.525	-122.614	6.5	2.9ML*
2011/12/11	02:37:57	59.542	-122.621	12.6	3.0ML*
2011/12/11	07:28:24	59.518	-122.632	10.0	2.6ML*
2011/12/11	17:19:59	59.517	-122.649	10.0	2.6ML*
2011/12/12	06:38:41	59.526	-122.606	10.0	2.6ML*
2011/12/12	07:59:28	59.501	-122.634	13.7	3.0ML*
2011/12/12	11:34:20	59.519	-122.574	13.6	2.8ML*
2011/12/12	13:09:50	59.520	-122.621	10.0	2.5ML*
2011/12/12	19:40:37	59.505	-122.623	0.2	2.7ML*
2011/12/12	20:10:07	59.512	-122.647	10.1	2.7ML*
2011/12/12	23:34:16	59.514	-122.562	6.9	3.1ML*
2011/12/13	02:52:58	59.530	-122.634	10.0	2.4ML*

2011/12/13	10:01:32	59.521	-122.635	10.0	2.5ML*
2011/12/13	10:53:29	59.520	-122.580	10.0	2.7ML*
2011/12/13	13:17:36	59.560	-122.645	6.5	3.1ML*
2011/12/13	23:09:06	59.538	-122.662	12.0	2.5ML*
2011/12/14	23:00:17	59.530	-122.664	10.5	2.8ML*
2011/12/16	23:29:17	59.510	-122.637	11.5	2.7ML*
2012/07/17	09:55:23	59.338	-122.192	30.0g	2.7ML
2012/07/18	09:43:46	59.422	-122.191	15.0g	2.8ML
2013/09/17	07:19:26	59.777	-122.769	9.4*	2.6ML
2014/02/25	21:55:40	58.547	-122.967	5.0g	2.4ML
2014/06/19	14:50:55	58.546	-122.920	20.0g	1.9ML
2016/07/02	03:36:05	58.710	-123.857	1.0g	1.6ML

\* Open File 8146, Farahbod et al, 2016

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### Station: FSB



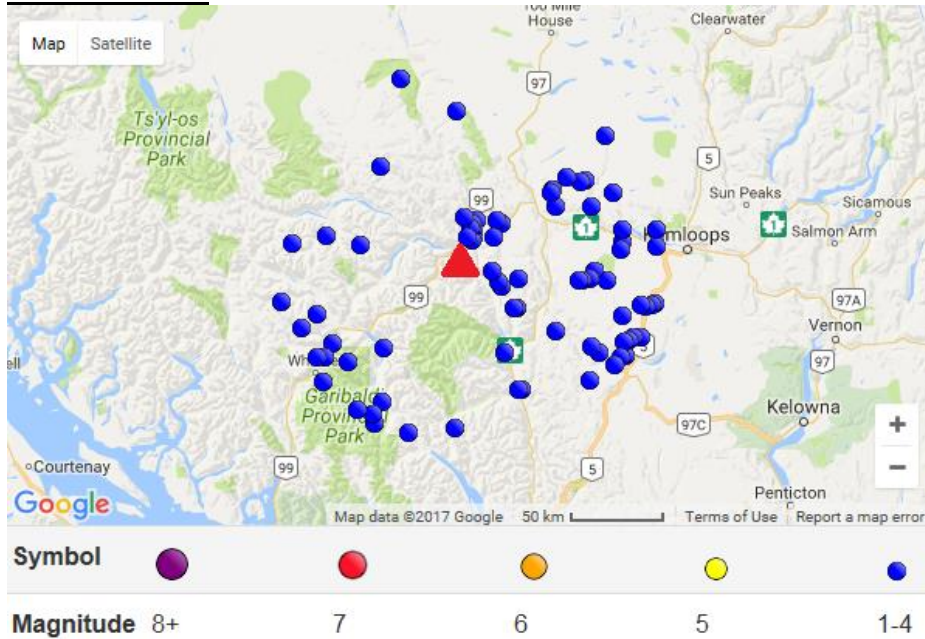
Station: FSB Radius:100 km Mag: >= 1.5

### Earthquakes Canada Online Bulletin - 20000215.0000 20170101.0000

Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
2001/02/10	03:24:20	54.313	-123.454	10.0g	3.0ML
2002/08/30	08:44:42	54.616	-123.577	10.0g	2.5ML
2003/10/08	18:42:40	54.385	-123.452	5.0g	2.9ML
2003/12/02	15:16:38	54.443	-123.441	1.0g	1.7ML
2004/10/06	09:57:08	54.388	-123.442	1.0g	2.1ML
2006/01/10	06:07:01	54.413	-123.453	1.0g	1.9ML
2007/10/19	23:34:24	54.171	-125.569	0.0*	2.5ML

2010/10/11	11:19:25	54.502	-123.812	1.0g	3.5ML
2011/06/30	08:17:28	54.097	-124.427	1.0g	3.3ML
2013/04/22	21:51:35	54.978	-123.887	18.3*	1.7ML
2013/05/05	04:42:51	54.400	-123.477	10.0g	2.7ML
2013/05/10	14:47:15	54.252	-123.007	1.0g	2.3ML
2013/07/13	21:42:20	55.095	-124.092	11.4*	1.9ML
2013/08/11	21:52:14	55.098	-124.136	15.0g	2.4ML
2013/09/19	02:01:45	55.106	-124.126	15.6*	2.4ML
2013/09/27	00:07:43	55.139	-124.093	5.2*	2.1ML
2013/10/12	21:39:59	55.085	-124.012	16.3*	1.8ML
2013/11/23	22:39:28	55.113	-124.243	15.0g	2.4ML
2013/12/31	22:35:31	55.136	-124.116	8.2*	2.1ML
2014/01/24	22:35:50	55.257	-124.303	13.4*	2.7ML
2014/02/21	18:53:30	55.067	-124.067	4.5*	2.3ML
2014/02/27	22:42:06	55.098	-124.120	1.0g	2.0ML
2014/03/02	23:18:31	55.052	-123.910	1.0g	1.6ML
2014/08/22	22:29:16	55.123	-124.332	5.0g	1.6ML
2014/11/01	16:33:33	55.094	-124.053	8.9*	2.3ML
2014/12/22	23:18:16	55.092	-124.141	4.0*	1.9ML
2015/01/17	19:57:33	55.090	-124.097	10.0g	2.8ML
2015/01/23	22:50:52	55.121	-124.203	5.0g	2.2ML
2015/01/31	23:03:46	55.140	-124.341	9.9*	2.3ML
2015/02/10	22:51:09	55.117	-124.141	11.6*	2.3ML
2015/03/06	23:04:02	55.164	-124.246	1.0g	2.5ML
2015/03/24	19:34:35	55.139	-124.231	9.6g	2.1ML
2015/05/16	18:28:53	55.071	-124.002	10.0g	1.8ML
2015/07/26	21:50:28	55.046	-123.964	20.0g	2.0ML
2015/09/27	21:33:42	55.145	-124.237	7.4*	2.5ML
2015/10/03	21:25:28	55.100	-124.056	7.9*	2.4ML
2015/10/26	21:37:12	55.132	-124.147	15.0g	3.0ML
2015/12/10	22:40:58	54.925	-123.653	17.9*	2.5ML
2015/12/19	22:31:39	55.159	-124.296	10.0g	2.5ML
2016/01/08	18:56:51	55.079	-123.948	11.9*	2.2ML
2016/01/23	22:36:16	55.111	-124.074	5.0g	2.7ML
2016/02/20	23:58:35	55.095	-124.102	6.4*	2.5ML
2016/02/27	23:34:41	55.138	-124.247	8.5*	2.2ML
2016/03/17	04:06:05	53.895	-123.330	10.0g	1.9ML
2016/04/05	22:17:49	55.122	-124.171	5.0g	2.5ML
2016/04/19	21:33:48	55.164	-124.332	1.0g	2.1ML
2016/05/01	20:52:57	55.031	-123.955	14.9*	2.2ML
2016/05/14	17:57:20	55.092	-124.018	8.0*	2.5ML
2016/05/28	00:55:57	55.069	-124.126	16.2*	2.2ML
2016/06/04	21:39:35	55.057	-124.019	13.5*	2.0ML
2016/07/03	21:48:03	55.081	-124.040	6.7*	2.6ML
<a href="http://www.earthquakescanada.nrcan.gc.ca/">http://www.earthquakescanada.nrcan.gc.ca/</a>					

**Station: LLLB**



Station: LLLBB Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19981117.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
1999/11/15	07:43:45	51.009	-122.500	0.0g	1.6ML
2000/02/05	13:40:39	50.383	-120.629	1.0g	1.7ML
2000/09/11	05:07:41	50.775	-121.909	5.8*	2.1ML
2000/09/27	23:29:01	50.767	-121.670	1.0g	1.8ML
2000/10/23	21:21:00	50.500	-121.523	10.0g	1.6ML
2001/05/22	08:16:24	50.369	-121.558	10.0g	1.9ML
2001/06/19	02:59:50	50.961	-121.176	1.0g	1.7ML
2001/07/08	22:12:22	50.364	-121.534	1.0g	1.6ML
2001/12/19	03:08:38	50.175	-121.616	3.7*	2.0ML
2001/12/22	23:26:04	50.696	-122.881	5.0g	1.8ML
2002/11/03	22:40:16	50.632	-120.800	1.0g	1.9ML
2002/11/04	03:34:44	50.666	-120.781	1.0g	1.6ML
2005/08/18	04:09:47	51.255	-121.956	10.0g	2.2ML
2005/10/08	00:19:53	50.687	-121.837	10.0g	1.9ML
2006/05/26	20:46:37	50.383	-120.580	5.0g	1.5ML
2006/08/06	01:27:04	50.160	-120.944	14.4*	1.5ML
2006/08/12	05:06:07	50.730	-121.859	5.3*	1.6ML
2006/08/26	14:08:57	50.691	-121.700	1.4*	1.7ML
2006/10/24	08:40:12	50.215	-120.768	1.0g	2.0ML
2007/03/09	21:30:23	50.483	-121.667	1.0g	2.0ML
2007/04/07	14:00:28	49.820	-121.966	6.0*	1.5ML
2007/06/09	19:38:08	50.499	-121.016	1.0g	1.9ML
2007/07/09	14:58:03	50.655	-122.638	0.0*	2.1ML
2007/10/14	10:33:35	50.903	-121.275	1.0g	2.0ML
2008/06/24	02:33:49	50.767	-121.817	1.0g	1.5ML

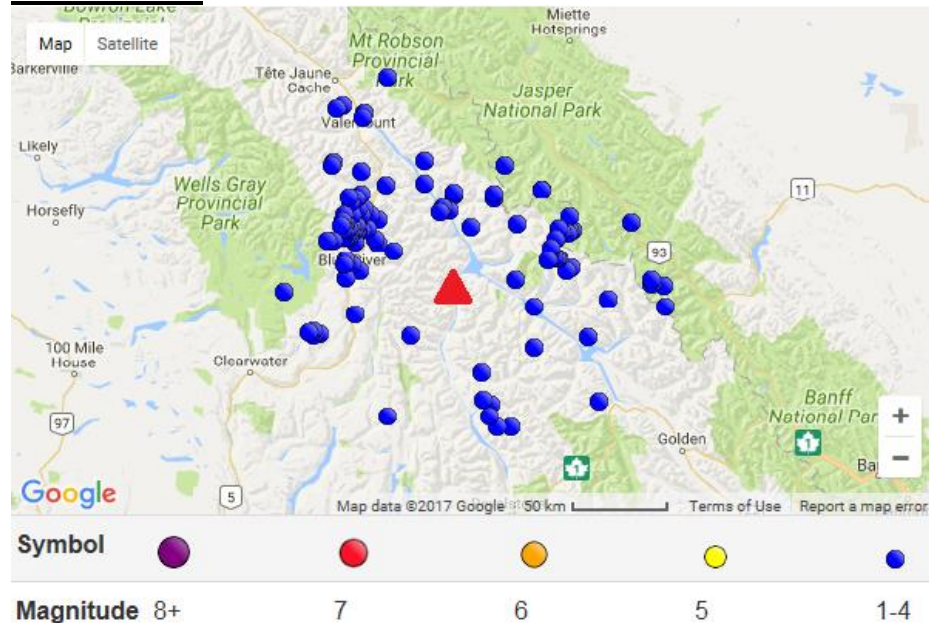
2008/09/11	00:48:02	49.904	-122.657	0.9*	2.0ML
2008/10/16	06:06:16	50.262	-121.257	1.0g	1.9ML
2008/10/16	09:50:36	50.265	-121.257	1.0g	1.8ML
2008/10/30	02:54:36	50.188	-121.002	1.0g	2.2ML
2008/11/05	01:54:25	50.723	-120.787	1.0g	1.5ML
2009/02/08	07:35:33	50.463	-121.645	1.9*	1.7ML
2009/03/12	15:45:59	50.035	-121.015	19.5*	1.5ML
2009/06/07	20:49:02	49.936	-122.487	0.3*	1.5ML
2009/07/15	19:52:55	50.531	-120.985	10.4*	1.8ML
2009/09/03	21:52:25	50.380	-120.647	22.2*	2.1ML
2009/10/08	09:12:39	50.398	-123.205	1.0g	1.5ML
2009/10/11	00:07:51	50.495	-120.890	12.7*	1.5ML
2009/11/16	06:40:09	50.890	-121.287	1.0g	1.8ML
2009/12/17	12:06:38	50.163	-121.617	1.0g	1.5ML
2010/01/11	11:13:21	50.731	-121.838	5.0g	2.1ML
2010/04/14	22:41:49	50.938	-121.085	5.0g	1.7ML
2010/04/27	19:40:45	50.000	-121.504	1.0g	1.7ML
2010/05/12	00:35:56	49.997	-121.523	1.0g	1.6ML
2010/05/13	23:35:48	49.997	-121.500	0.2*	1.6ML
2010/06/11	12:48:35	50.663	-123.123	5.0*	1.9ML
2010/09/11	00:04:30	50.491	-121.074	10.0g	1.6ML
2010/11/10	05:09:13	50.391	-120.550	1.0g	1.7ML
2010/12/15	07:11:02	50.172	-121.626	1.0g	1.9ML
2010/12/18	03:54:15	50.689	-121.880	7.5*	1.7ML
2011/01/06	18:34:03	49.877	-122.548	0.9*	1.7ML
2011/02/16	07:54:41	50.751	-121.853	1.0g	1.6ML
2011/03/03	14:33:52	50.202	-122.843	2.2*	1.5ML
2011/04/27	04:57:07	50.376	-120.620	20.0g	2.5ML
2011/11/09	08:09:52	50.943	-121.043	1.0g	1.7ML
2011/11/21	17:11:15	50.890	-120.851	10.0g	2.6ML
2012/01/13	06:33:55	50.236	-120.704	17.8*	1.6ML
2012/01/13	06:41:48	50.219	-120.740	0.0*	1.7ML
2012/07/25	06:14:19	50.027	-122.906	0.1*	1.6ML
2013/02/12	02:26:18	50.645	-120.539	10.0g	1.8ML
2013/05/04	20:32:44	50.230	-120.652	0.0*	1.7ML
2013/07/16	01:50:29	50.339	-122.947	1.0g	2.0ML
2013/08/09	19:48:00	50.490	-121.096	0.0g	1.8ML
2013/08/24	04:26:19	50.147	-120.763	7.1*	2.5ML
2014/03/12	10:37:50	50.748	-121.638	1.0g	1.7ML
2014/04/09	07:54:02	50.665	-120.773	1.0g	1.6ML
2014/04/09	07:54:44	50.664	-120.784	1.0g	1.7ML
2014/04/09	07:57:40	50.668	-120.788	1.0g	1.7ML
2014/04/09	14:16:34	50.669	-120.787	1.0g	1.7ML
2014/04/22	21:57:31	50.722	-120.542	1.0g	1.7ML
2014/08/13	12:24:11	51.402	-122.360	1.0g	1.8ML
2014/10/19	19:50:51	50.539	-120.986	0.0g	2.2ML
2014/12/16	12:51:25	50.142	-122.953	4.8*	1.7ML
2015/02/19	07:41:11	50.104	-120.839	1.0g	1.7ML
2015/04/04	20:20:26	50.187	-122.475	6.0*	2.5ML



2015/05/03	06:26:24	51.148	-120.907	0.1*	1.8ML
2015/08/04	09:29:53	50.144	-120.797	1.0g	1.8ML
2015/12/16	09:48:17	50.828	-121.008	5.0g	3.4ML
2015/12/16	13:38:58	50.142	-122.893	0.0g	1.6ML
2015/12/24	04:44:15	49.792	-122.297	3.3*	1.7ML
2016/03/08	10:48:30	50.275	-123.056	0.8*	1.7ML
2016/03/11	07:58:44	50.537	-121.707	5.0g	2.0ML
2016/03/11	07:59:19	50.537	-121.712	5.0g	2.1ML
2016/07/01	00:31:48	50.825	-121.261	1.0g	1.6ML
2016/07/18	03:22:58	50.330	-120.788	13.6*	1.6ML
2016/07/27	09:27:39	50.124	-122.724	3.2*	1.5ML
2016/08/07	12:49:07	50.671	-121.844	4.2*	1.6ML
2016/08/29	09:17:13	49.840	-122.541	5.5*	1.8ML

<http://www.earthquakescanada.nrcan.gc.ca/>

**Station: MNB**



Station: MNB Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19970617.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
1997/07/28	03:50:38	52.073	-117.784	0.0g	2.5ML
1997/07/28	04:17:36	52.083	-117.746	0.0g	2.2ML
1997/07/31	14:26:37	52.268	-119.315	10.0g	1.5ML
1997/11/24	13:29:18	51.794	-119.617	5.0g	2.6ML
1998/01/19	06:44:27	51.366	-118.184	5.0g	1.6ML
1998/01/20	22:45:45	52.215	-119.150	10.0g	1.5ML
1998/02/02	17:38:17	52.773	-119.228	0.0g	2.7ML
1998/06/29	22:10:18	52.041	-119.360	10.0g	1.5ML

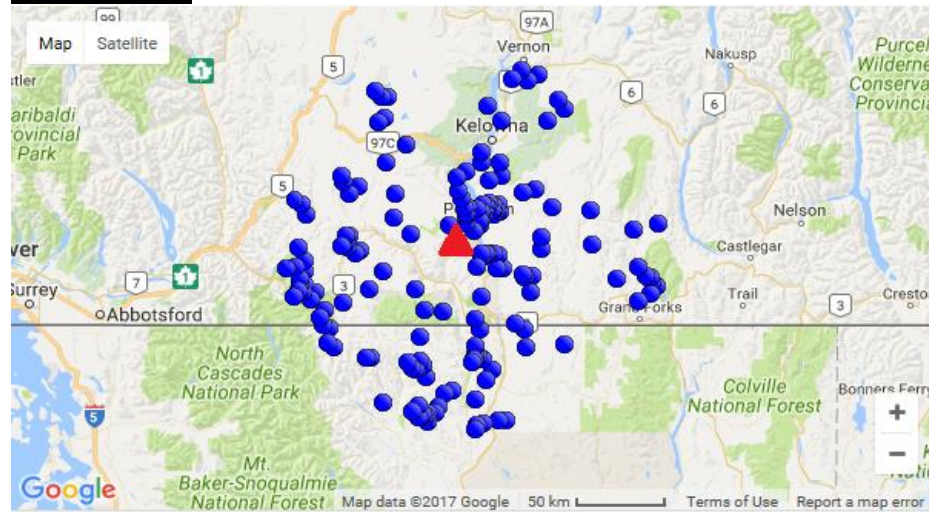
1998/07/26	08:10:17	52.163	-117.892	0.0g	2.1ML
1998/12/12	08:25:12	52.405	-119.335	10.0g	2.2ML
1999/01/01	06:00:10	52.030	-118.142	5.0g	2.3ML
1999/02/27	19:15:04	52.260	-117.844	5.0g	2.3ML
1999/03/11	03:03:02	52.209	-119.488	10.0g	1.5ML
1999/03/13	14:50:09	52.556	-119.440	0.0g	2.6ML
1999/03/13	14:50:41	52.544	-119.449	0.0g	2.7ML
1999/04/06	10:48:37	52.075	-119.262	10.0g	1.7ML
1999/04/15	13:14:53	52.329	-119.309	10.0g	3.1ML
1999/04/22	09:53:24	52.321	-119.316	10.0g	2.8ML
1999/05/18	07:53:20	52.376	-119.320	0.0g	2.0ML
1999/05/22	08:13:19	52.284	-118.138	0.0g	1.7ML
1999/09/30	08:19:41	51.410	-119.064	10.0g	2.9ML
1999/11/18	01:07:12	52.320	-119.249	7.0*	1.7ML
2000/01/23	09:32:03	52.759	-119.235	1.0g	1.9ML
2000/03/22	05:52:37	52.246	-119.279	10.0g	1.5ML
2000/05/03	02:21:34	52.412	-118.587	1.0g	1.5ML
2000/08/01	01:53:34	51.909	-118.015	1.0g	1.7ML
2001/01/02	13:06:08	52.256	-119.263	1.0g	2.1ML
2001/01/02	13:09:23	52.263	-119.203	1.0g	1.6ML
2001/01/04	00:36:53	52.258	-119.296	9.1*	2.4ML
2001/01/05	01:49:55	52.277	-119.277	10.0g	2.1ML
2001/01/29	03:09:38	52.267	-119.265	1.0g	1.6ML
2001/02/26	21:17:14	52.250	-119.324	11.0*	3.8ML
2001/02/26	21:40:50	52.263	-119.286	6.6*	1.6ML
2001/02/26	22:02:56	52.253	-119.327	9.6*	1.5ML
2001/02/27	11:32:33	52.270	-119.330	10.1*	1.8ML
2001/02/27	19:57:42	52.262	-119.341	12.1*	1.6ML
2001/02/28	01:08:57	52.263	-119.330	14.3*	2.0ML
2001/03/14	04:01:11	52.250	-119.295	3.2*	1.6ML
2001/03/23	07:01:03	52.241	-119.331	17.4*	2.7ML
2001/03/23	14:27:15	52.229	-119.334	10.4*	2.1ML
2001/04/07	03:22:21	52.252	-119.354	6.8*	1.9ML
2001/04/07	09:15:42	52.098	-119.313	11.5*	1.8ML
2001/04/15	09:14:01	52.319	-119.248	10.2*	1.5ML
2001/05/25	03:35:14	52.233	-119.319	12.8*	1.6ML
2001/06/25	19:57:47	52.246	-119.305	9.3*	2.1ML
2001/08/16	07:02:13	52.242	-119.355	13.1*	1.6ML
2001/09/09	17:55:40	52.323	-119.310	9.6*	2.7ML
2001/09/21	11:30:03	52.268	-119.337	12.1*	2.1ML
2001/10/08	09:43:59	52.349	-119.271	8.1*	1.6ML
2001/10/15	10:58:46	51.728	-118.020	10.0g	1.8ML
2001/12/13	17:37:43	52.002	-117.087	1.0g	1.6ML
2002/01/06	09:52:12	52.100	-119.361	11.7*	2.1ML
2002/01/06	17:57:32	52.304	-119.120	11.6*	1.7ML
2002/03/07	21:15:10	52.035	-117.176	1.0g	3.5ML
2002/03/07	21:55:19	52.015	-117.175	1.0g	1.8ML
2002/05/15	05:22:56	52.463	-118.798	5.0g	1.9ML
2002/07/27	15:58:10	51.787	-119.544	12.9*	1.6ML

2002/12/31	12:39:27	52.811	-119.375	1.0g	1.9ML
2003/02/12	20:42:42	52.209	-119.448	1.0g	1.8ML
2003/12/30	13:22:06	52.354	-118.661	6.1*	3.3ML
2004/10/16	08:55:34	51.782	-118.899	10.0g	1.6ML
2004/12/02	05:37:26	52.419	-118.301	1.0g	1.5ML
2004/12/02	10:30:01	52.394	-118.305	1.0g	3.0ML
2004/12/05	11:30:43	52.545	-118.227	1.0g	1.8ML
2005/03/20	14:13:45	51.876	-119.288	5.0g	2.2ML
2005/08/10	06:18:53	51.911	-117.085	1.0g	3.0ML
2005/09/02	02:36:51	52.456	-119.067	5.0g	1.8ML
2005/10/28	09:12:47	52.132	-117.869	1.0g	1.5ML
2006/07/15	10:18:09	52.403	-119.264	5.0g	2.4ML
2006/08/18	12:01:53	52.419	-119.242	1.0g	2.3ML
2007/03/23	13:36:58	52.322	-119.177	1.0g	1.6ML
2007/05/26	19:10:44	51.613	-118.388	5.0g	1.7ML
2007/06/11	05:47:55	52.271	-118.462	1.0g	1.5ML
2007/06/24	09:41:34	51.775	-117.629	0.0g	1.9ML
2007/07/20	06:36:21	52.177	-117.891	10.0g	2.2ML
2007/08/22	10:13:25	52.936	-119.063	18.5*	1.6ML
2008/01/08	06:28:09	52.244	-117.778	1.0g	2.4ML
2008/02/19	04:28:30	52.434	-117.964	1.0g	1.5ML
2008/03/24	01:42:45	52.249	-119.294	10.0g	2.0ML
2008/06/07	04:52:01	52.423	-118.581	1.0g	2.3ML
2008/07/09	09:09:38	52.126	-117.844	1.0g	1.6ML
2009/11/03	10:57:49	51.941	-117.487	1.0g	2.7ML
2009/11/11	07:59:54	52.196	-119.129	10.0g	2.9ML
2009/12/15	06:23:14	52.222	-119.338	10.0g	2.1ML
2009/12/18	07:56:59	52.221	-119.357	10.8*	2.5ML
2010/02/23	09:49:22	52.564	-118.790	1.0g	2.1ML
2010/02/28	10:32:36	52.252	-117.738	10.0g	1.6ML
2010/06/16	14:33:44	52.253	-119.291	10.0g	2.3ML
2010/07/17	04:21:18	51.979	-119.796	10.0g	1.6ML
2010/08/27	06:52:25	51.799	-119.608	9.1*	2.1ML
2010/09/08	10:53:10	52.396	-119.281	1.0g	2.0ML
2011/03/21	18:25:53	52.515	-119.242	1.0g	2.0ML
2012/03/11	02:16:13	52.252	-117.764	18.4*	1.6ML
2012/06/30	13:50:58	52.216	-117.865	2.7*	2.8ML
2012/08/22	18:51:27	52.349	-119.220	10.0g	3.1ML
2012/12/23	09:43:00	51.415	-118.329	1.0g	2.4ML
2013/04/26	22:26:13	52.159	-119.010	1.0g	1.5ML
2013/05/04	19:33:01	52.243	-119.330	11.1*	3.2ML
2013/05/04	19:42:56	52.266	-119.342	9.6*	2.4ML
2013/05/13	10:29:30	52.335	-118.685	5.0g	1.7ML
2013/06/10	01:04:36	52.255	-119.376	10.0g	1.5ML
2013/07/12	21:00:49	52.121	-117.915	1.0g	2.4ML
2013/07/26	11:49:02	51.367	-118.282	5.0g	2.0ML
2013/07/26	11:57:41	51.375	-118.274	5.0g	1.5ML
2013/07/29	04:41:59	51.784	-119.581	1.0g	1.6ML
2013/08/23	02:07:54	52.201	-119.286	4.4*	1.9ML

2014/04/29	12:14:44	52.794	-119.416	1.0g	2.3ML
2014/06/08	12:39:03	52.278	-119.371	10.0g	1.5ML
2014/12/03	09:09:19	51.470	-118.322	10.2*	1.7ML
2014/12/06	11:53:54	52.278	-119.393	10.0g	1.6ML
2014/12/12	08:31:39	51.800	-119.583	1.0g	1.7ML
2015/01/13	12:55:19	51.479	-117.555	5.0g	2.9ML
2015/03/19	07:41:54	52.251	-117.820	1.0g	1.9ML
2015/05/16	19:25:07	52.318	-117.762	1.0g	1.5ML
2015/05/19	10:49:43	52.127	-117.847	1.0g	1.7ML
2015/12/31	04:32:11	51.491	-118.373	1.0g	1.9ML
2016/01/05	04:51:40	52.292	-119.382	1.0g	2.1ML
2016/01/05	05:46:43	52.319	-119.367	1.0g	2.3ML
2016/04/08	11:49:44	52.258	-119.248	0.0*	1.6ML
2016/05/13	06:44:33	52.278	-119.334	1.0g	1.6ML
2016/08/08	23:34:30	52.285	-119.355	15.0g	1.5ML
2016/08/23	05:41:12	52.340	-118.620	3.3*	2.1ML
2016/11/03	10:05:48	52.123	-119.354	12.0*	2.3ML
2016/12/15	07:53:26	52.290	-117.326	1.0g	1.6ML

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**Station: PNT**



Station: PNT Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19930203.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
1993/07/12	07:15:47	49.566	-119.722	5.0g	2.5ML
1993/08/20	22:23:52	50.153	-119.168	10.0g	2.3ML
1994/01/05	03:37:25	48.557	-119.879	0.0g	2.8ML

1994/02/25	01:35:50	49.420	-118.483	10.0g	2.2ML
1994/04/10	16:40:02	49.301	-119.574	10.0g	1.6ML
1994/04/14	10:39:49	48.521	-119.991	10.0g	2.1ML
1994/04/14	17:42:29	48.537	-120.065	0.0g	1.8ML
1994/04/27	00:07:16	49.542	-120.856	5.0g	1.6ML
1994/04/28	04:58:19	48.488	-119.964	0.0g	2.0ML
1995/04/07	07:06:29	49.110	-118.372	0.0g	1.9ML
1996/02/24	03:51:17	48.517	-119.968	0.0g	2.5ML
1996/03/31	01:13:51	49.265	-120.835	5.0g	2.1ML
1996/11/09	12:13:59	48.903	-120.013	10.0g	1.7ML
1997/01/12	06:01:08	49.587	-120.519	10.0g	3.5ML
1997/03/03	07:15:04	49.698	-119.682	5.0g	2.4ML
1997/03/31	19:07:58	48.493	-119.453	5.0g	2.1ML
1997/07/25	20:17:16	48.808	-119.593	0.0g	1.7ML
1997/07/25	21:43:12	48.815	-119.615	0.0g	1.9ML
1997/12/17	11:56:19	49.646	-120.561	0.0g	1.6ML
1997/12/23	08:48:21	49.324	-119.152	10.0g	2.6ML
1998/01/16	16:07:28	48.787	-120.019	5.0g	1.6ML
1998/03/01	16:30:34	49.196	-118.370	0.0g	2.0ML
1998/03/01	18:20:34	49.198	-118.396	0.0g	1.8ML
1998/03/03	04:19:02	49.168	-118.351	5.0g	3.6ML
1998/03/03	23:06:11	49.147	-118.325	5.0g	2.7ML
1998/04/06	15:02:56	49.116	-120.762	0.0g	1.6ML
1998/07/03	13:03:19	49.234	-119.419	0.0g	1.9ML
1998/07/21	04:41:42	48.995	-120.724	0.0g	1.8ML
1998/11/08	09:32:30	49.512	-118.793	0.0g	1.8ML
1998/11/11	03:54:02	48.596	-119.619	0.0g	2.0ML
1998/11/14	07:47:46	48.702	-119.975	0.0g	1.7ML
1998/11/15	12:56:29	48.598	-119.603	0.0g	1.7ML
1998/12/29	09:05:07	49.602	-119.738	10.0g	1.5ML
1999/02/12	01:16:27	49.665	-119.750	0.0g	1.6ML
1999/12/08	20:16:02	49.348	-118.787	5.0g	1.9ML
2000/01/12	19:49:02	49.221	-120.837	1.0g	2.0ML
2000/09/16	20:06:16	48.751	-120.074	1.0g	1.7ML
2000/11/05	13:10:03	49.409	-119.632	13.2*	2.5ML
2000/11/25	10:01:39	48.852	-119.257	1.0g	2.6ML
2000/11/30	18:07:56	49.096	-120.914	1.0g	2.2ML
2001/10/17	18:26:19	49.675	-119.427	5.0g	1.7ML
2002/03/28	04:13:12	49.935	-119.099	1.0g	1.5ML
2002/05/01	09:09:45	48.478	-119.563	11.6*	2.1ML
2002/07/13	17:58:02	48.848	-120.635	10.0g	2.2ML
2002/08/17	16:06:27	49.957	-120.293	10.0g	4.5ML
2002/08/17	16:54:49	49.950	-120.270	10.0g	1.5ML
2002/08/18	04:14:34	49.949	-120.281	10.0g	1.9ML
2002/08/23	19:44:09	49.932	-120.315	10.0g	2.1ML
2002/11/03	22:45:20	49.379	-119.145	1.0g	2.2ML
2002/11/04	09:16:16	49.481	-119.566	1.0g	2.0ML
2002/11/17	11:19:43	50.077	-120.338	10.0g	2.0ML
2002/12/26	22:02:24	48.864	-118.982	1.0g	2.1ML

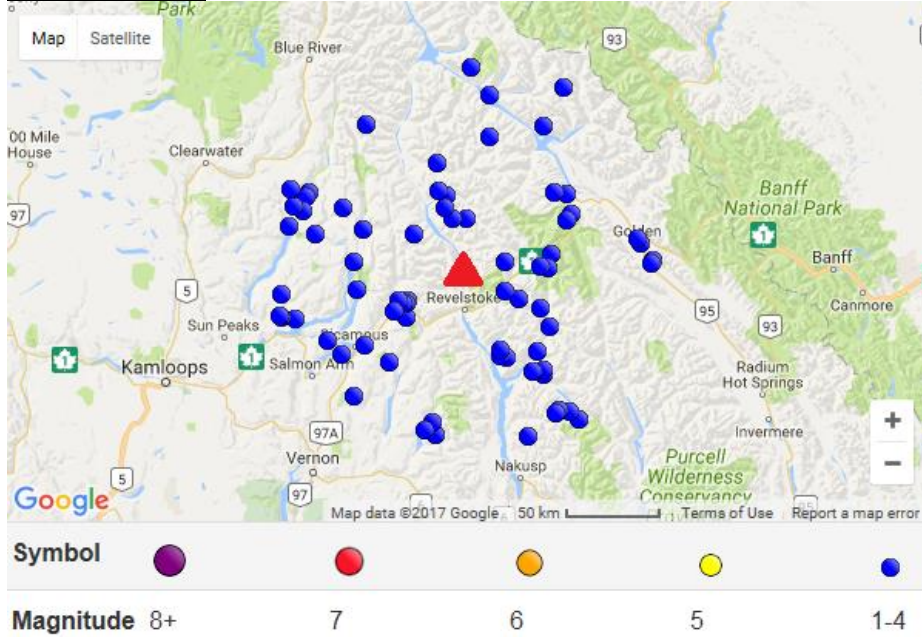
2003/02/08	13:44:59	48.986	-119.619	10.0g	2.5ML
2003/02/20	20:07:56	49.447	-118.308	19.4*	1.5ML
2003/03/20	07:54:08	48.741	-119.503	1.0g	2.0ML
2003/03/20	16:07:47	48.748	-119.501	1.0g	2.5ML
2003/03/20	19:29:22	48.744	-119.508	1.0g	1.7ML
2003/06/22	14:11:42	49.523	-119.697	1.0g	2.0ML
2003/06/30	23:02:54	49.706	-119.677	1.0g	2.1ML
2003/07/03	09:37:56	49.528	-119.665	1.0g	2.2ML
2003/07/07	06:45:21	49.194	-118.383	1.0g	2.2ML
2003/08/04	11:47:33	49.279	-119.576	1.0g	1.6ML
2003/08/20	08:33:04	49.964	-120.293	10.0g	3.7Mw
2003/09/13	21:09:37	48.861	-119.616	1.0g	1.6ML
2003/09/14	04:53:54	49.190	-118.369	1.0g	2.0ML
2003/10/20	03:35:37	49.303	-119.546	1.0g	1.6ML
2003/10/25	10:06:07	49.302	-119.546	1.0*	1.6ML
2003/10/25	11:50:56	49.304	-119.536	7.7*	2.4ML
2003/12/26	10:07:45	48.777	-119.645	10.0g	3.0ML
2004/01/30	14:31:06	48.760	-119.994	1.0g	1.6ML
2004/05/15	15:51:13	49.181	-118.603	16.7*	1.7ML
2004/05/15	18:01:38	49.072	-118.459	1.0g	2.7ML
2004/05/25	06:36:58	49.094	-119.577	1.0g	1.7ML
2004/08/28	12:15:18	48.511	-119.977	1.0g	1.8ML
2005/02/15	03:22:43	49.504	-119.548	2.1*	1.9ML
2005/02/26	03:35:27	49.523	-119.533	2.2*	1.5ML
2005/07/09	09:25:44	50.052	-120.289	1.0g	1.5ML
2005/07/27	10:15:24	49.179	-120.870	1.0g	1.9ML
2005/09/07	20:48:55	49.156	-120.843	5.0g	2.3ML
2005/10/12	20:16:29	49.304	-119.487	1.0g	1.6ML
2005/12/15	13:05:12	48.742	-120.052	1.0g	2.0ML
2006/01/06	01:07:01	49.241	-118.458	1.0g	1.5ML
2006/01/09	04:33:35	49.592	-120.188	10.0g	1.5ML
2006/07/05	10:20:33	49.233	-120.967	1.0g	1.7ML
2006/08/14	02:40:07	49.529	-119.535	1.0g	1.5ML
2006/08/24	11:29:02	49.525	-119.504	1.0g	2.0ML
2006/09/22	17:24:23	48.781	-120.099	2.7*	2.1ML
2006/09/24	16:30:35	49.517	-119.517	1.0g	1.5ML
2006/10/21	19:23:48	49.533	-119.537	0.0*	2.2ML
2006/10/21	19:41:43	49.510	-119.485	0.0*	1.7ML
2006/11/20	10:31:18	49.503	-119.572	1.0g	2.1ML
2006/12/06	09:19:52	48.998	-120.731	10.0g	2.0ML
2006/12/09	22:26:29	49.526	-119.074	0.0*	2.1ML
2006/12/11	11:00:45	49.508	-119.465	0.0*	3.3ML
2007/01/21	02:17:13	49.082	-120.792	1.0g	2.0ML
2007/02/03	21:34:55	50.053	-120.245	1.0g	1.9ML
2007/02/16	22:32:39	49.937	-119.436	10.0g	2.0ML
2007/03/28	10:07:21	49.547	-119.524	1.0g	2.1ML
2007/04/12	14:13:31	49.788	-119.579	1.0g	1.9ML
2007/04/23	21:23:45	48.492	-119.394	1.0g	2.5ML
2007/06/07	13:04:06	49.536	-119.459	1.0g	1.7ML

2007/06/10	22:52:58	49.504	-119.444	1.0g	2.0ML
2007/07/21	22:18:14	49.524	-119.521	1.0g	2.3ML
2007/07/22	18:30:05	49.518	-119.523	1.0g	2.4ML
2007/09/29	06:09:41	49.543	-119.557	1.0g	1.7ML
2007/10/09	17:36:05	49.514	-119.505	1.0g	2.0ML
2007/10/09	20:26:15	49.542	-119.560	1.0g	1.6ML
2007/11/27	00:39:35	49.521	-119.609	1.0g	1.5ML
2007/12/11	06:21:08	49.532	-119.487	1.0g	2.0ML
2008/01/02	08:48:28	48.790	-119.564	1.0g	2.2ML
2008/01/05	04:45:40	48.800	-120.370	1.0g	2.5ML
2008/01/25	20:03:20	49.153	-120.876	0.0*	1.8ML
2008/04/20	06:51:04	49.523	-119.524	0.6*	2.2ML
2008/05/14	09:54:46	49.399	-120.085	1.0g	2.1ML
2008/05/28	20:24:57	50.135	-119.354	7.8*	1.8ML
2008/05/29	15:34:09	49.518	-119.515	1.0g	2.1ML
2008/05/31	22:37:26	49.118	-119.220	4.6*	1.7ML
2008/08/20	03:56:05	49.476	-120.198	1.0g	1.9ML
2008/08/25	22:05:08	49.023	-119.851	21.0*	1.7ML
2008/09/09	06:37:25	48.966	-119.336	10.0g	1.8ML
2008/10/09	08:26:07	49.446	-119.681	0.0g	1.7ML
2009/01/15	03:03:12	48.938	-119.267	10.0g	1.7ML
2009/01/17	11:18:49	49.511	-119.496	1.0g	2.0ML
2009/01/24	17:39:37	48.511	-120.025	1.0g	2.6ML
2009/01/27	15:40:26	48.568	-120.025	1.0g	2.3ML
2009/01/28	01:36:31	49.122	-120.878	1.0g	2.0ML
2009/04/30	14:13:54	49.239	-120.907	1.0g	1.7ML
2009/05/26	02:39:41	48.637	-119.781	10.0g	1.5ML
2009/06/10	04:53:41	50.034	-119.030	1.0g	1.9ML
2009/07/11	15:30:49	48.581	-120.277	1.0g	2.2ML
2009/07/25	21:11:48	49.521	-119.489	1.0g	1.8ML
2009/08/17	03:46:02	49.611	-119.187	10.0g	2.1ML
2009/10/30	12:26:09	49.031	-119.978	1.2*	2.2ML
2009/11/03	01:00:42	48.690	-119.537	1.0g	1.9ML
2010/02/13	03:42:23	49.738	-120.252	17.6*	3.0ML
2010/03/14	18:01:39	49.655	-119.517	1.0g	2.3ML
2010/03/27	21:56:37	49.559	-120.914	1.0g	1.9ML
2010/04/12	20:00:21	49.822	-120.116	10.0g	1.5ML
2010/05/27	19:32:15	49.742	-119.440	10.0g	1.6ML
2010/05/31	20:32:07	49.594	-119.274	1.0g	1.8ML
2010/06/03	00:31:24	49.316	-120.446	10.0g	1.6ML
2010/06/26	09:40:40	49.699	-119.681	1.0g	2.1ML
2010/08/07	06:44:39	50.127	-119.246	10.0g	1.5ML
2010/09/22	21:44:37	49.331	-120.886	1.0g	1.9ML
2010/12/16	05:33:32	48.529	-119.956	9.8*	1.9ML
2011/01/14	11:20:05	50.006	-119.526	5.0g	1.9ML
2011/01/19	07:10:44	48.961	-120.707	7.2*	2.5ML
2011/03/29	08:18:27	49.229	-119.421	1.0g	1.8ML
2011/05/18	13:37:25	49.624	-120.456	7.5*	3.0ML
2011/05/18	21:03:56	49.303	-120.477	11.0*	1.9ML

2011/05/21	16:50:27	49.332	-120.534	0.0g	1.8ML
2011/10/09	00:38:10	49.997	-118.986	10.0g	2.1ML
2011/11/12	00:03:28	49.390	-120.522	1.0g	2.0ML
2011/11/16	14:56:40	48.533	-119.903	10.0g	2.2ML
2011/11/18	13:09:01	48.472	-119.606	13.8*	4.3ML
2011/11/23	21:34:17	50.177	-119.293	1.0g	1.7ML
2012/01/18	07:09:20	49.311	-119.571	5.4*	2.7ML
2012/02/01	11:58:49	48.451	-119.620	1.0g	2.3ML
2012/02/16	20:51:00	49.490	-119.572	3.7*	1.9ML
2012/10/09	06:32:39	49.117	-120.853	2.5*	1.5ML
2013/01/08	13:39:21	48.533	-119.906	1.0g	2.5ML
2013/02/04	03:46:17	48.937	-119.583	1.0g	2.2ML
2013/02/11	02:10:23	49.134	-120.046	0.0*	2.0ML
2013/05/05	19:26:29	49.498	-119.683	2.2*	1.9ML
2013/05/15	07:01:32	49.508	-119.487	1.0g	1.5ML
2013/05/23	07:32:49	49.485	-119.680	1.0g	1.7ML
2013/06/28	16:41:44	49.438	-119.810	10.0g	2.0ML
2013/07/07	10:20:34	49.294	-119.451	7.9*	1.6ML
2013/08/13	11:27:42	49.487	-120.833	1.0g	1.6ML
2013/08/19	22:32:31	49.199	-119.213	1.0g	1.8ML
2013/11/19	08:09:56	49.217	-120.277	1.0g	2.1ML
2013/12/30	14:59:37	48.626	-119.835	4.1*	2.7ML
2013/12/30	22:13:08	49.337	-120.571	0.0g	1.7ML
2014/01/03	04:15:09	49.674	-120.574	1.0g	1.8ML
2014/02/07	06:18:30	49.129	-120.376	1.0g	1.6ML
2014/06/04	23:04:43	49.440	-119.584	1.0g	1.6ML
2014/10/11	09:41:10	49.742	-119.574	7.0*	1.7ML
2015/06/18	23:45:02	49.491	-119.490	0.0*	2.5ML
2015/06/20	19:38:21	49.241	-119.604	2.1*	1.8ML
2015/10/01	18:02:53	48.873	-120.669	1.0g	1.5ML
2015/12/11	22:17:07	49.387	-120.546	1.0g	2.1ML
2016/01/25	22:38:06	49.464	-119.591	1.0g	1.9ML
2016/03/05	10:08:07	48.800	-120.400	0.0*	2.1ML
2016/06/07	21:17:28	49.360	-120.546	0.0g	1.7ML
2016/07/25	05:51:52	49.234	-119.463	10.0g	1.9ML
2016/08/10	22:30:02	48.944	-120.666	0.0*	2.1ML
2016/08/15	00:52:07	49.068	-120.560	10.1*	3.0ML
2016/09/10	16:16:31	49.192	-119.269	1.0g	4.1ML
2016/09/12	08:32:51	49.207	-119.266	1.0g	2.2ML
2016/10/13	10:41:21	49.522	-119.677	3.4*	2.0ML
2016/11/24	09:02:25	48.791	-119.630	1.0g	2.1ML
2016/12/01	08:16:02	49.206	-119.277	1.0g	2.1ML
2016/12/18	17:44:39	49.563	-120.905	1.0g	1.7ML
2016/12/19	08:38:07	49.032	-120.699	1.0g	1.8ML
<a href="http://www.earthquakescanada.nrcan.gc.ca/">http://www.earthquakescanada.nrcan.gc.ca/</a>					



**Station: SLEB**



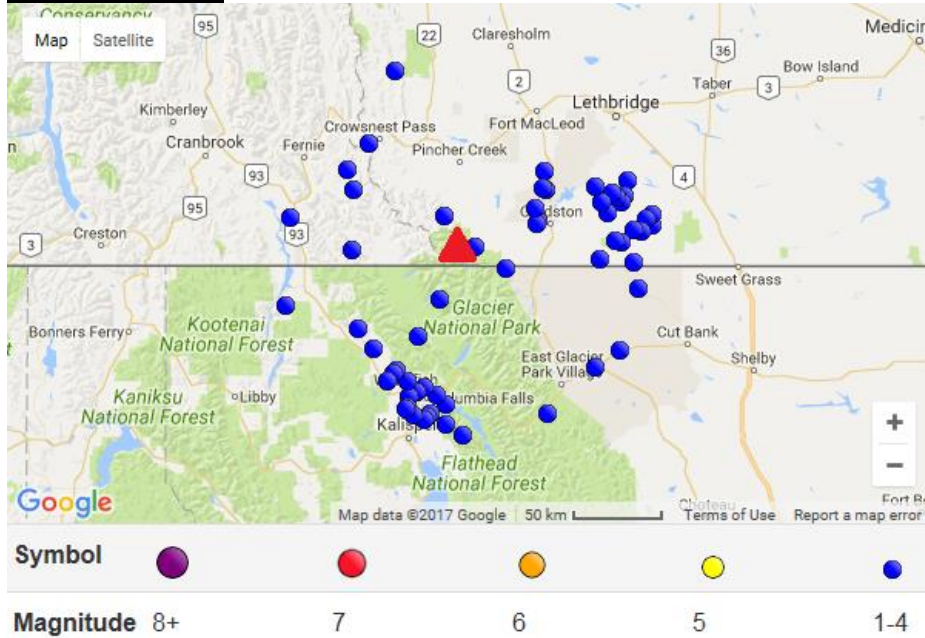
Station: SLEB Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19971205.0000 20170101.0000					
Date	Time(UT)	Lat	Long	Depth	Mag
1998/01/19	06:44:27	51.366	-118.184	5.0g	1.6ML
1999/01/01	06:00:10	52.030	-118.142	5.0g	2.3ML
1999/01/15	08:39:04	50.467	-117.373	0.0g	1.8ML
1999/05/18	10:14:05	50.985	-118.630	5.0g	2.3ML
1999/09/04	05:40:25	50.883	-117.587	0.0g	1.9ML
1999/09/30	08:19:41	51.410	-119.064	10.0g	2.9ML
2000/05/07	14:11:25	50.823	-119.172	15.0g	1.6ML
2000/08/01	01:53:34	51.909	-118.015	1.0g	1.7ML
2000/11/26	05:32:59	51.039	-117.906	10.0g	1.5ML
2001/04/27	07:11:45	51.174	-117.906	1.0g	1.8ML
2001/10/14	09:52:07	50.801	-118.905	5.1*	1.7ML
2001/10/15	10:58:46	51.728	-118.020	10.0g	1.8ML
2002/02/27	17:00:36	50.754	-119.071	10.0g	1.7ML
2002/06/29	01:19:06	50.509	-117.516	1.0g	2.9ML
2002/06/29	04:20:35	50.501	-117.447	1.0g	2.5ML
2003/01/27	23:37:24	51.318	-118.918	1.0g	2.2ML
2003/12/09	22:04:11	50.417	-118.480	1.0g	2.1ML
2003/12/09	22:23:53	50.396	-118.405	1.0g	2.4ML
2004/04/01	20:25:16	51.174	-118.984	1.0g	2.6ML
2004/10/16	08:55:34	51.782	-118.899	10.0g	1.6ML
2005/07/06	10:14:35	50.669	-117.632	1.0g	1.5ML
2005/12/13	16:57:59	50.951	-118.699	1.0g	1.6ML
2006/10/18	21:11:42	51.168	-116.862	10.0g	1.8ML
2006/10/31	22:17:33	51.254	-116.940	1.0g	1.7ML
2006/12/08	07:23:06	51.398	-119.341	8.1*	1.7ML

2007/02/16	22:09:14	51.182	-116.856	10.0g	1.5ML
2007/02/20	22:09:36	51.277	-116.962	10.0g	1.8ML
2007/05/26	19:10:44	51.613	-118.388	5.0g	1.7ML
2007/06/24	09:41:34	51.775	-117.629	0.0g	1.9ML
2007/10/09	23:16:37	51.294	-119.253	1.0g	2.5ML
2007/10/09	23:41:18	51.304	-119.242	1.0g	2.0ML
2007/10/11	13:09:03	51.302	-119.241	1.0g	2.2ML
2008/01/30	03:16:38	50.686	-117.627	10.0g	1.6ML
2008/01/30	03:28:07	50.682	-117.713	10.0g	1.7ML
2008/04/24	09:33:43	50.391	-117.742	1.0g	1.5ML
2008/10/31	12:43:37	51.009	-118.667	4.3*	1.6ML
2008/11/26	01:02:26	51.296	-118.551	10.0g	2.1ML
2009/01/05	11:51:54	51.494	-119.435	1.0g	1.6ML
2009/05/10	00:16:30	51.001	-118.667	5.0g	3.4ML
2009/05/10	00:25:57	51.005	-118.650	5.0g	1.7ML
2009/05/10	07:50:07	50.999	-118.593	5.0g	1.5ML
2009/05/10	19:29:29	50.987	-118.613	1.0g	1.5ML
2009/06/06	04:27:30	50.741	-117.893	1.0g	1.5ML
2009/08/22	03:19:27	51.029	-119.493	1.0g	2.1ML
2009/11/03	10:57:49	51.941	-117.487	1.0g	2.7ML
2009/12/29	09:41:17	51.478	-119.300	5.0g	1.9ML
2010/03/02	17:50:33	50.922	-118.608	1.0g	2.2ML
2010/07/01	07:26:32	51.047	-118.956	1.1*	1.7ML
2010/07/28	16:35:51	50.781	-117.933	1.0g	1.5ML
2010/08/02	13:12:56	51.009	-117.806	1.0g	2.7ML
2010/08/25	10:52:49	51.012	-117.794	1.0g	1.6ML
2011/04/10	14:16:00	50.914	-119.403	5.0g	2.2ML
2012/12/23	09:43:00	51.415	-118.329	1.0g	2.4ML
2013/03/30	07:09:47	50.452	-118.417	5.0g	2.1ML
2013/06/13	13:10:05	51.458	-119.319	5.0g	2.0ML
2013/07/06	13:56:17	50.964	-117.658	1.0g	1.5ML
2013/07/26	11:49:02	51.367	-118.282	5.0g	2.0ML
2013/07/26	11:57:41	51.375	-118.274	5.0g	1.5ML
2014/01/16	09:17:43	51.148	-117.597	10.0g	1.7ML
2014/01/16	09:58:29	51.209	-117.580	1.0g	1.7ML
2014/01/16	15:08:00	51.150	-117.648	5.0g	2.3ML
2014/03/13	04:29:13	50.721	-118.732	1.0g	2.0ML
2014/04/06	03:25:51	50.397	-117.725	1.0g	1.5ML
2014/09/26	11:56:22	51.473	-117.468	20.0g	2.1ML
2014/09/26	12:00:15	51.387	-117.431	20.0g	1.8ML
2014/12/02	07:44:42	50.933	-119.504	1.0g	1.7ML
2014/12/02	11:06:49	50.926	-119.502	5.0g	2.0ML
2014/12/03	09:09:19	51.470	-118.322	10.2*	1.7ML
2015/01/08	02:33:15	50.751	-117.941	1.0g	2.4ML
2015/01/13	12:55:19	51.479	-117.555	5.0g	2.9ML
2015/08/17	04:48:24	51.421	-119.408	5.0g	2.4ML
2015/10/05	09:06:06	50.569	-118.985	5.0g	1.6ML
2015/12/31	04:32:11	51.491	-118.373	1.0g	1.9ML
2016/01/31	06:50:19	51.328	-119.446	1.0g	1.9ML

2016/04/16	07:23:02	50.768	-117.679	1.0g	1.8ML
2016/07/15	06:14:57	51.355	-117.467	10.0g	1.8ML
2016/11/13	10:11:18	50.490	-117.541	1.0g	1.6ML

<http://www.earthquakescanada.nrcan.gc.ca/>

**Station: WALA**



Station: WALA Radius:100 km Mag: >= 1.5					
Earthquakes Canada Online Bulletin - 19920603.0000 20170101.0000					
Date	Time(UT)	Lat.(N)	Long.(E)	Depth	Magnitude
1992/06/14	01:12:40	48.351	-114.110	0.0g	2.4ML
1992/07/02	13:09:52	48.478	-112.979	10.0g	3.7ML
1992/11/21	16:29:52	48.946	-113.622	5.0g	3.2ML
1993/01/22	06:02:35	49.194	-112.580	5.0g	2.0ML
1993/06/08	16:01:43	48.801	-114.091	18.0g	2.5ML
1994/06/17	09:58:22	48.162	-113.930	5.0g	2.7ML
1994/06/17	09:58:22	48.164	-113.934	5.0g	2.7ML
1995/01/06	12:19:26	49.528	-114.595	5.0g	2.1ML
1995/07/09	22:22:10	48.254	-114.276	0.0g	2.8ML
1996/03/16	23:49:17	49.029	-114.719	0.0g	3.1ML
1996/10/08	19:05:43	49.144	-112.579	20.0g	2.3ML
1997/04/14	01:58:18	48.413	-114.471	0.0g	1.8ML
1997/05/01	21:38:36	49.127	-112.704	20.0g	3.5MN
1997/05/18	15:51:59	48.235	-114.202	0.0g	2.8ML
1997/08/20	05:10:12	48.627	-114.243	0.0g	2.5ML
1999/02/01	06:32:06	48.412	-114.323	0.0g	2.2ML
1999/02/20	07:59:42	48.261	-113.319	10.0g	2.5ML
2000/02/28	21:18:14	49.184	-115.156	10.0g	3.3ML

2000/03/04	02:42:02	49.042	-113.836	11.4*	4.3ML
2000/07/05	15:29:37	48.568	-114.562	6.2*	1.9ML
2000/10/15	08:45:38	49.191	-114.057	1.0g	2.9ML
2000/11/03	00:34:31	49.405	-114.748	1.0g	2.7ML
2001/07/29	19:26:53	48.463	-114.401	10.0g	2.7ML
2002/03/23	23:09:16	48.304	-114.050	1.0g	2.7ML
2002/11/07	08:27:45	48.344	-114.315	1.0g	3.0ML
2003/01/20	02:38:09	48.558	-112.805	1.0g	3.1ML
2004/04/22	08:37:59	49.070	-112.799	15.0g	1.8ML
2004/08/23	20:47:15	49.324	-112.987	10.0g	2.8MN
2005/12/11	13:30:38	49.275	-112.828	30.0g	3.2MN
2006/01/12	05:17:18	48.852	-112.674	10.0g	2.6MN
2006/03/22	17:24:33	48.770	-115.193	10.0g	4.3Mw
2006/12/30	13:53:49	49.256	-112.794	20.0g	3.6Mw
2008/01/03	13:28:17	49.294	-112.863	26.3*	3.4ML
2008/01/12	22:23:11	49.224	-113.408	36.7*	3.1ML
2008/03/12	18:34:59	49.399	-113.351	10.0g	2.9ML
2008/11/15	01:04:31	48.210	-114.050	10.0g	3.1ML
2009/08/03	17:38:07	48.249	-114.178	10.0g	2.4ML
2009/08/05	09:50:44	49.285	-112.776	21.0*	2.6ML
2009/08/05	10:08:10	49.258	-112.790	23.6*	2.8ML
2009/09/29	11:35:00	48.990	-112.953	1.0g	3.2ML
2010/02/19	09:04:01	49.353	-112.755	16.5*	2.4ML
2010/07/11	19:00:27	49.859	-114.416	10.0g	2.3ML
2011/04/01	08:02:55	49.257	-112.936	31.4*	2.3ML
2011/04/07	02:38:04	49.205	-112.898	29.9*	2.4ML
2011/04/19	05:10:54	48.973	-112.710	5.0g	1.5ML
2011/04/26	07:12:32	49.173	-112.624	5.0g	1.5ML
2011/12/05	07:38:06	49.308	-113.337	0.0*	2.8ML
2011/12/05	08:50:37	49.321	-113.353	1.0g	2.3ML
2012/02/14	07:00:05	48.660	-114.672	10.5*	3.1ML
2012/07/25	18:08:40	48.453	-114.426	1.0g	2.3ML
2013/03/28	09:01:46	48.388	-114.198	1.0g	2.5ML
2013/04/03	22:10:33	49.308	-114.712	1.0g	2.3ML
2013/08/21	16:43:38	49.071	-112.842	15.0g	1.7ML
2014/09/07	01:09:18	49.120	-112.655	15.0g	2.9ML
2014/09/11	04:56:11	49.151	-113.403	50.0g	2.7ML
2014/11/15	06:58:49	48.367	-114.257	10.2*	4.9ML
2015/12/08	04:41:01	48.260	-114.155	9.3*	2.7ML
2016/11/22	11:43:18	48.291	-114.322	2.2*	2.2ML
2016/11/22	12:00:00	48.285	-114.331	5.4*	2.3ML
2016/11/29	07:22:39	49.169	-113.394	57.2*	2.5ML
<a href="http://www.earthquakescanada.nrcan.gc.ca/">http://www.earthquakescanada.nrcan.gc.ca/</a>					

## Appendix 2

### Frequency-Magnitude of selected earthquakes per station

Station	Magnitude			
	1.5-1.9	2.0-2.9	3.0-3.9	4.0-4.9
BCBC	98	185	11	-
BLBC	82	74	7	-
BMBC	181	333	55	3
DLBC	1	5	-	-
DOWB	72	58	5	-
FNBB	2	43	25	-
FSB	10	37	4	-
LLLB	67	19	1	-
MNB	66	50	8	-
PNT	97	86	8	3
SLEB	47	29	1	-
WALA	6	37	14	3