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Seismological Service of Canada

CANADIAN EARTHQUAKES—1973

R.J. Wetmiller

Seismological Series Number 72
Ottawa, Canada 1976

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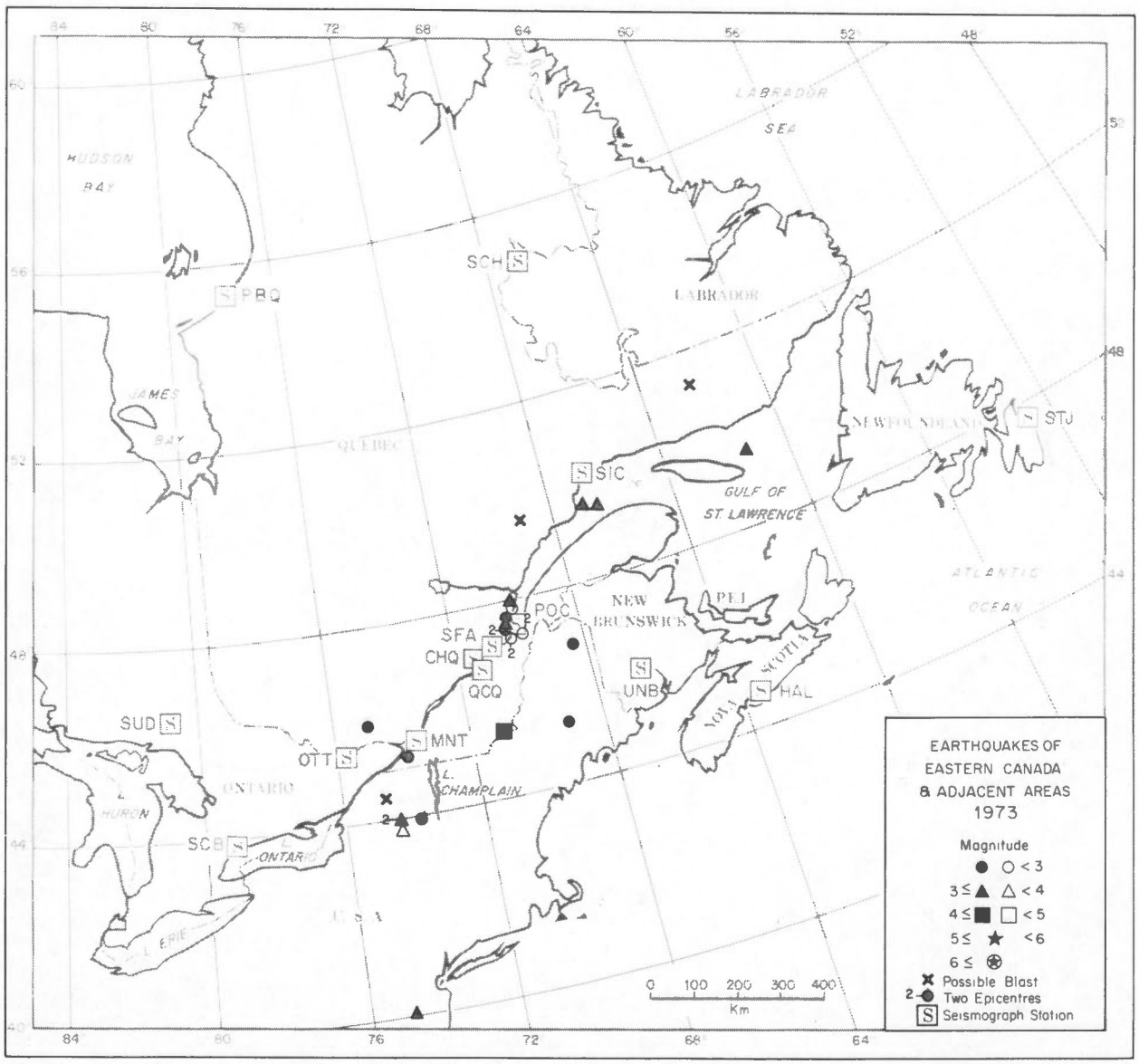
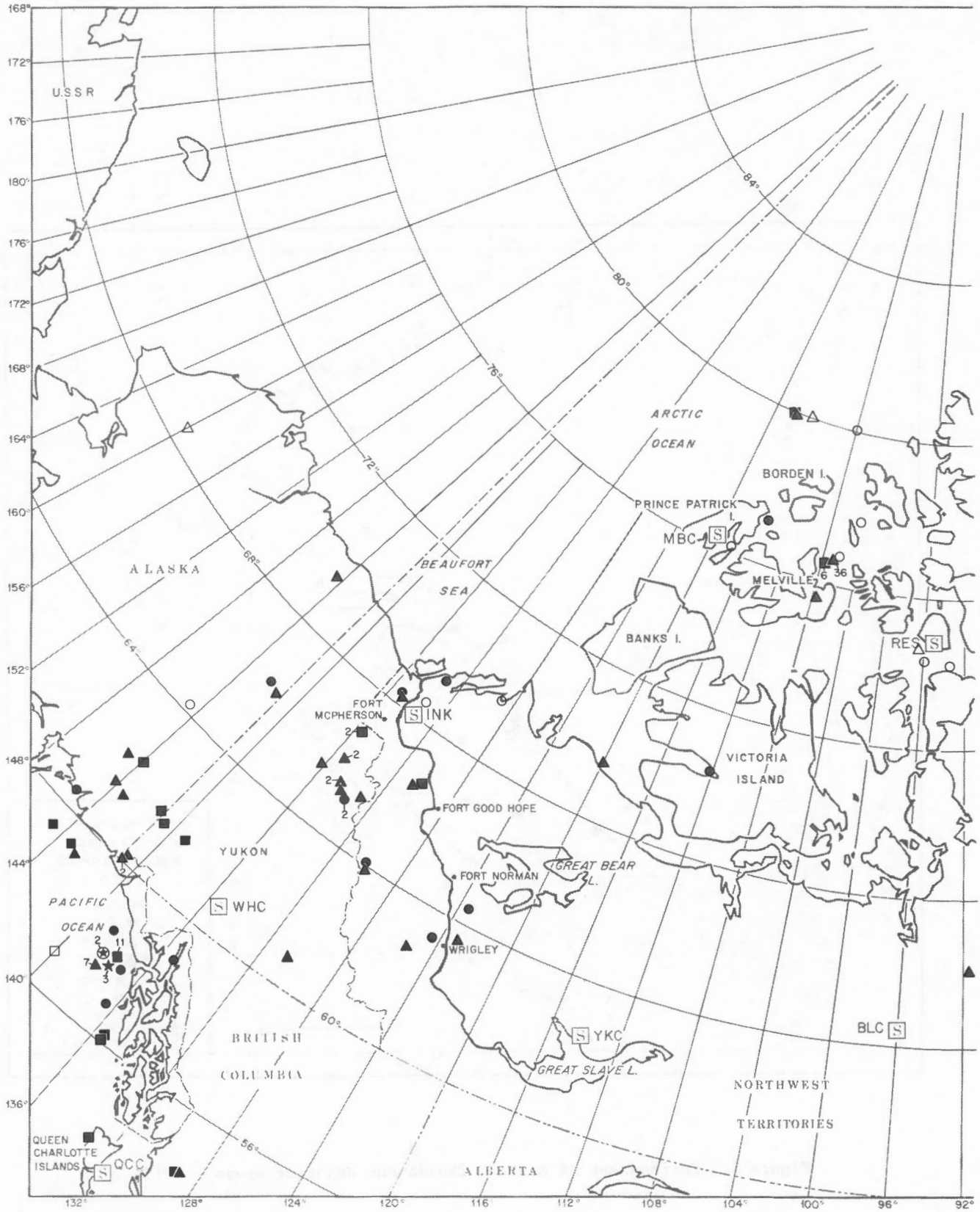


Figure 1. Earthquakes of Eastern Canada and adjacent areas - 1973



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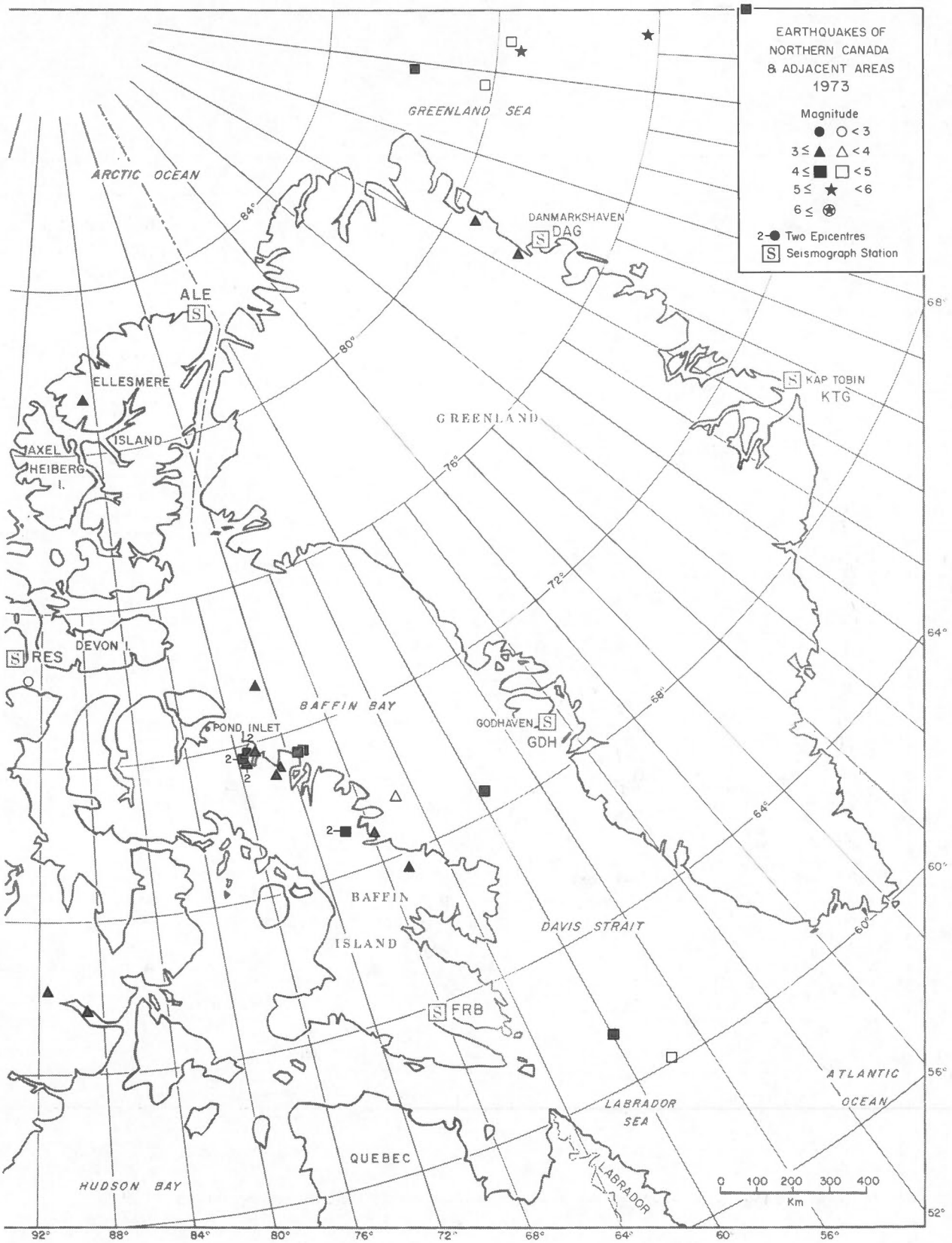
EARTHQUAKES OF
NORTHERN CANADA
& ADJACENT AREAS
1973
Magnitude
○ < 3
△ < 4
□ < 5
★ < 6
Two Epicentres
Seismograph Station
GREENLAND SEA
ARCTIC OCEAN
DANMARKSHAVEN
DAG
ALE
ELLESMERE
ISLAND
JAXEL
HEIBERG
I.
KAP TOBIN
KTG
GREENLAND
RES
DEVON
I.
BAFFIN BAY
POND INLET
GODHAVEN
GDH
BAFFIN
ISLAND
DAVIS STRAIT
FRB
ATLANTIC
OCEAN
LABRADOR
SEA
QUEBEC
HUDSON BAY
LABRADOR
0 100 200 300 400
Km
84°
80°
76°
72°
68°
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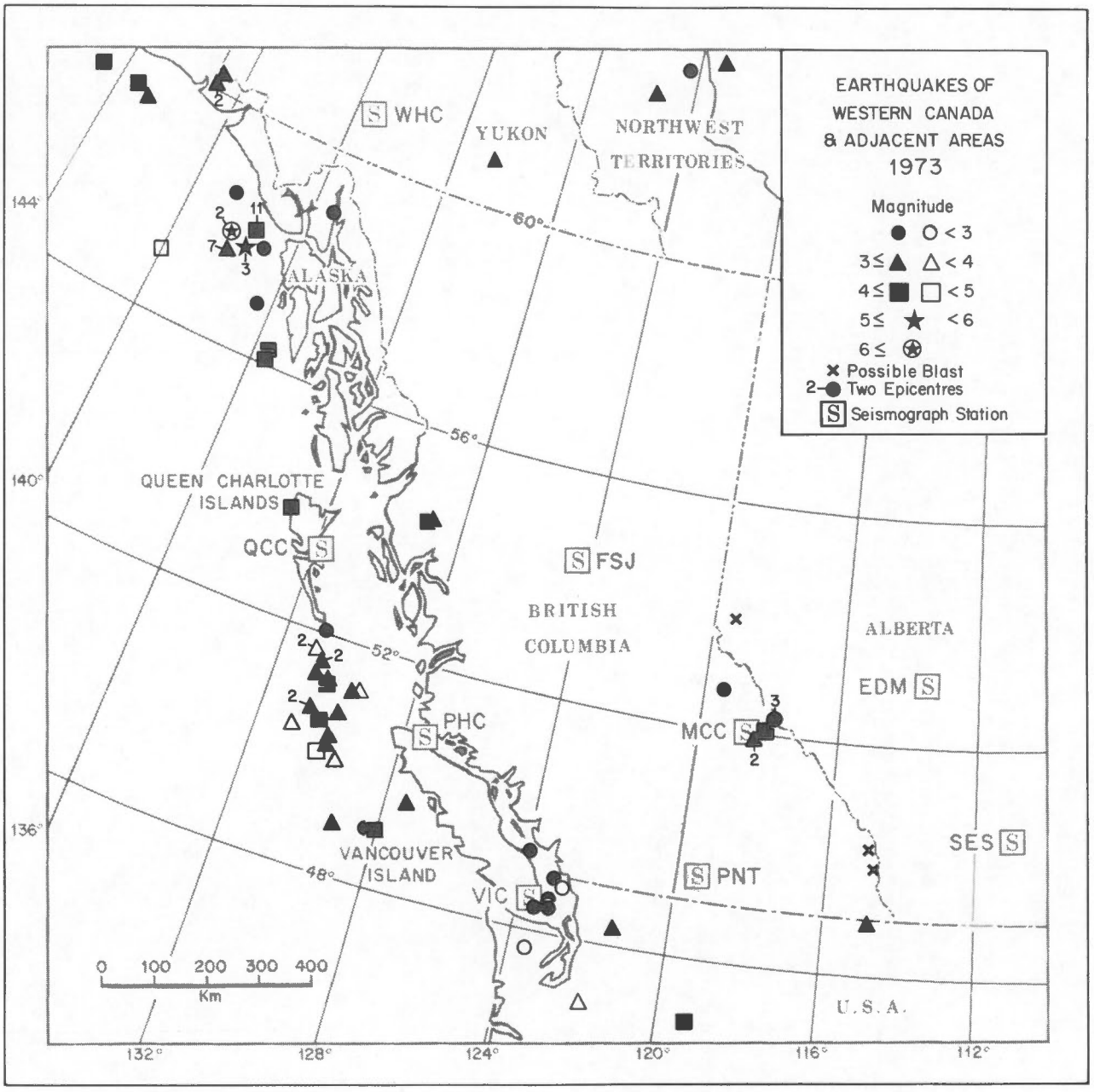

Figure 3. Earthquakes of Western Canada and adjacent areas - 1973

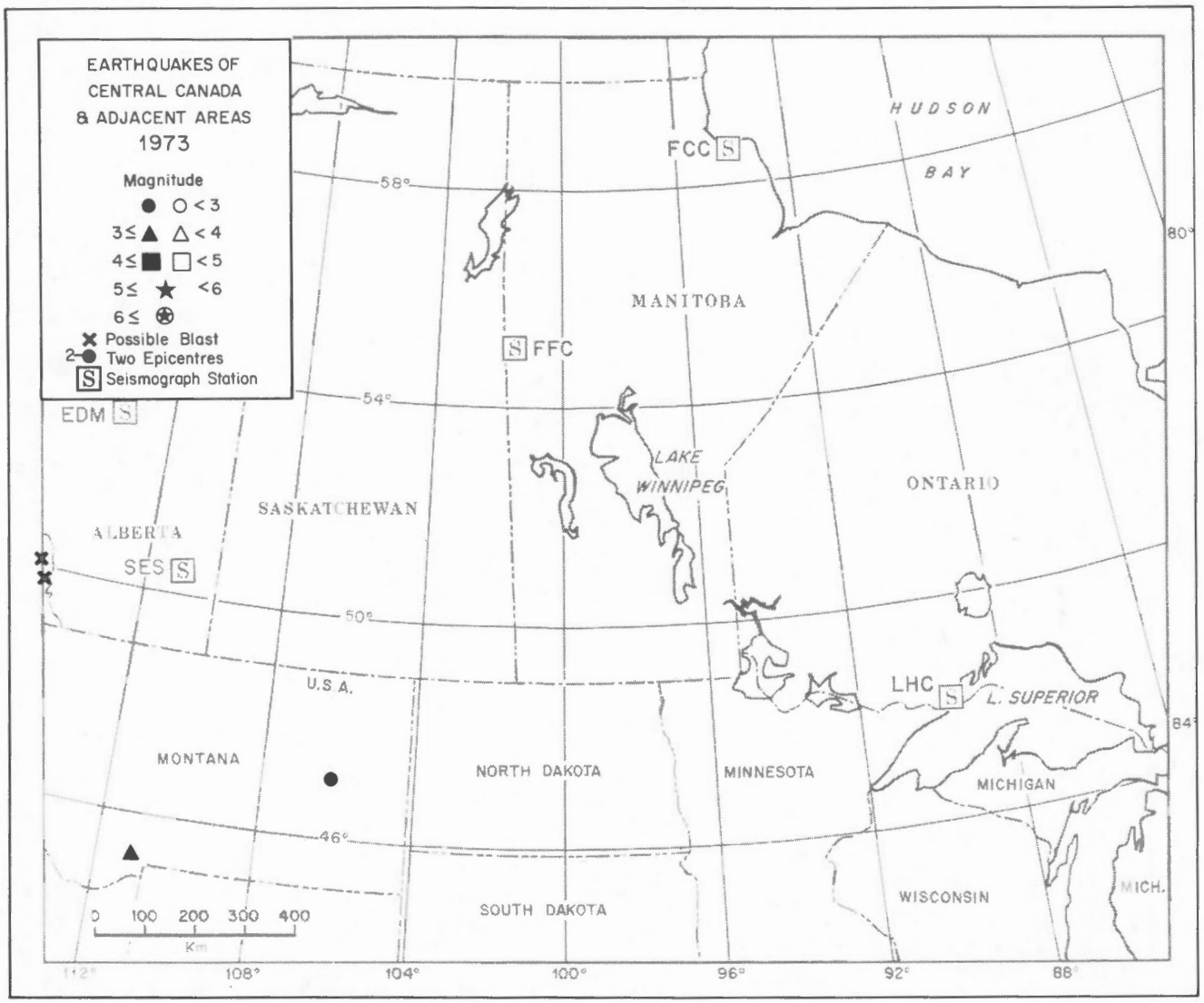

Figure 4. Earthquakes of Central Canada and adjacent areas - 1973

CANADIAN EARTHQUAKES—1973

R.J. Wetmiller

I. Introduction

This catalogue continues the annual list of earthquakes in Canada as prepared by the Division of Seismology and Geothermal Studies, Earth Physics Branch, Department of Energy, Mines and Resources. An enumeration of the previous papers in this series can be found in Appendix 2 of Canadian Earthquakes - 1967 (Stevens *et al.*, 1973) to which should be added Canadian Earthquakes - 1969 (Horner *et al.*, 1974) and Canadian Earthquakes - 1970 (Horner *et al.*, 1975). The format of the 1973 catalogue follows that of the 1970 catalogue, but the method of preparation has changed somewhat. Details of the changes follow at the end of this section. All data for events for this catalogue have been analysed by the author in the Ottawa section of the Division of Seismology and Geothermal Studies.

Earthquakes are listed in chronological order for each of the four regions of Canada as shown in Figure 5. The Eastern, Northern, Western and Central Regions are covered in Tables 1, 2, 3 and 4, respectively. Sub-section of these tables contain the earthquakes located outside Canada.

The extension of the Canadian catalogue to include earthquakes off-shore and into neighbouring countries is made for two reasons. Earthquakes near the international boundaries may be felt and/or do damage in Canada; thus they must be included in any practical study of Canadian seismicity. Secondly, an understanding of the pattern of Canadian seismicity requires a consideration of the tectonics of neighbouring areas. In addition, the Northern Region map and table contain events outside of

Figure 5. The four regions of Canada

Canada in northern Alaska and Greenland, which have been located with the Canadian network but for which epicentres have not been published by the U.S. Department of the Interior, National Earthquake Information Service (NEIS). The Canadian records are not systematically read for all such events.

Tables 1, 2, 3 and 4 list only located earthquakes, while Tables 5 to 37 list unlocated events or those recorded at only one or two stations. Whenever possible an epicentral region for these events is suggested. Few epicentres have been calculated from data from two stations only. These lists of unlocated events should not be considered complete. Regional detection of such events is very dependent on instrumental magnification, record quality, noise levels, etc. They are useful in indicating relative regional levels of low magnitude seismic activity. For the 9 stations (QCC, PHC, VIC, ALE, MBC, RES, INK, WHC and PNT) which recorded more than 50 unlocated events, histograms showing the distribution of the number of events against distance are shown in Figure 9. Table 38 lists earthquakes reported felt in Canada in 1973.

Epicentres for earthquakes in the Eastern, Northern, Western and Central Regions are plotted in Figures 1, 2, 3 and 4, respectively. Epicentres for all earthquakes in Canada and adjacent areas during 1970 with magnitude 4 or greater are shown on one map of Canada (Figure 7).

The changes which have been incorporated in this and succeeding catalogue years of this series are mainly procedural. The objective of the Catalogues of Canadian Earthquakes continues to be a systematic and uniform evaluation of the seismicity of the Canadian landmass. Information on seismic activity in the Western Region, western Alberta, British Columbia and the area off the western coast of Vancouver Island, which heretofore had been analysed in the Victoria section of the Division, are now analysed by the Ottawa section. This change has been made in the interest of a more uniform analysis of the data for all of Canada and a better deployment of available manpower and services within the Division. The Victoria section of the Division still retains the responsibility for the evaluation of the long-term seismicity, seismic hazard and seismotectonics of the Western Region.

This catalogue is being published in advance of the 1973 Bulletin of the International Seismological Centre (ISC) so that no comparison can be made with the ISC epicentres of Canadian earthquakes at this time. Any revisions to the ISC determinations on Canadian events for 1973 will be published in later catalogue years of this series. Epicentres calculated by the NEIS for Canadian earthquakes are included herein and data from foreign seismograph stations as published in the NEIS Earthquake Data Reports are used in this catalogue in selected cases. The epicentres calculated in this and following catalogue years have all been made by standard regression techniques using the same travel-time curves as described in the following section. In previous catalogue years, epicentres in the western region are calculated by graphical techniques using a somewhat different set of travel-time curves. See Stevens *et al.* (1972) for a description of the procedures. The change in travel-time curves for the Western Region is not a major change, as the two sets of curves are compatible although not equivalent, and should not result in any significant shift of the epicentres in the Western Region. Finally, the origin time of unlocated events has not been calculated to the nearest second for this catalogue year. This has been done to allow the 1973 catalogue to be published earlier than would otherwise be possible. The minute quoted in Tables 5 to 37 is the minute of the origin time of the event or, in some cases, the minute previous to the minute of the origin time of the event. Should more accurate determination of the time of an unlocated event be required, then such a request should be made to the Ottawa section of the Division of Seismology and Geothermal Studies indicating the event(s) in question.

1. Epicentral Determination

All epicentral solutions given in this catalogue are calculated by standard regression techniques applied to earthquakes recorded at regional and near-teleseismic distances. The solutions are based on the arrival times of Pn, Pl, Sn and Lg phases. The travel-time equations used are based on a single-layered crust 36 km thick and assume a focal depth of 18 km, as follows:

$$Pl\text{-}H = \Delta/6.20 \qquad Pn\text{-}H = 5.60 + \Delta/8.2$$
$$Lg\text{-}H = \Delta/3.57 \qquad Sn\text{-}H = 9.84 + \Delta/4.7.$$

H is the origin time in seconds and Δ is the epicentral distance in kilometers. For a surface focus the Pn and Sn intercepts become 7.50 and 13.12 s, respectively. Unless otherwise stated in the tables, the focal depth has been held fixed at 18 km or half the assumed crustal thickness. Because of a general paucity of data for most earthquakes, especially at very near epicentral distances, and uncertainties in the assumed crustal model, better estimates of focal depth cannot be made at present. Restriction of focal depth to a value other than 18 km

(normally 10 km) is sometimes done at the judgement of the geophysicist responsible. This is usually because the epicentre lies in a region where upper crustal focal depths are more appropriate or because part of the data suggests a shallow focus although a reliable focal depth estimate cannot be made by standard means.

In the tables, latitude and longitude are given in decimal degrees and origin time to the nearest second. Standard errors are given for these quantities, as well as the Root-Mean-Square (RMS) residual of the epicentre solution. The RMS residual is a measure of the consistency or the goodness-of-fit of the observed arrival times to the computed epicentre for the selected model. The number of stations and number of phases used in each solution are given as an indication of potential accuracy and to supplement standard error information. It is important to note that standard errors are meant to indicate only precision and not accuracy.

The quality factors "F" and "O" are presented at the right of each epicentre and represent filled or open symbols, respectively, on the epicentre maps. A filled symbol generally represents an earthquake well recorded at a minimum of three stations with a minimum of six phases. The station geometry, in particular, and the RMS value are also considered. Location of known sources in the eastern region suggests that "F" quality solutions can be shifted by as much as 20 km.

When available, solutions determined by NEIS are also given in the tables. This information is obtained from the 1973 Earthquake Data Reports (EDR). Unless otherwise stated, these epicentres are calculated at a fixed model depth of 33 km. Unrestrained focal depths that result from these calculations should not, in general, be considered accurate; they are unlikely to be more accurate than the general assumption of mid-crustal depths (18 km) assumed in the Canadian epicentre determinations. The NEIS does not calculate an RMS value but instead calculates the standard deviation (SD) of one P observation. This value is given in the tables in the RMS column. The relationship between these two quantities is $SD = \sqrt{N/N-3}\ RMS$, where N is the number of readings used.

Epicentres occurring within Canada and located by NEIS have been recomputed using Canadian data augmented by P arrival times of foreign stations at distances less than 10° obtained from the EDR. For earthquakes occurring outside Canada but within the areas shown in Figure 5, only the NEIS epicentres are presented in most cases.

2. *Magnitude Determination*

The magnitude values, M_L or m_N, given in this catalogue are based on the regional magnitude scales developed by Richter (Gutenberg and Richter, 1956) for California and by Nuttli (1973) for North America east of the Rocky Mountains, respectively. These scales have been applied to Canadian earthquakes as follows.

A) For earthquakes east of the Cordillera (Eastern, Northern and Central Regions) m_N is calculated from the maximum short-period vertical amplitude of the Lg phase only if the following two conditions hold:

   1) the epicentral distance is greater than 500 km,

   2) the period of the maximum amplitude is less than 1.3 seconds (Nuttli derived his magnitude scale only for periods between 0.7 and 1.3 seconds).

   For events in the northern Yukon large enough to be recorded beyond 500 km, m_N is calculated only at stations to the east on the Shield.

B) For earthquakes in the Cordillera (Western Region) or in any other region of Canada where m_N cannot be applied, M_L is calculated using the maximum short-period vertical amplitude of the Sl or Lg phase if the following two conditions hold:

   1) the epicentral distance is less than 600 km,

   2) the period of the maximum amplitude is less than 2.0 seconds.

C) For earthquakes in oceanic areas such as the Beaufort Sea or Baffin Bay or where the propagation path includes a substantial section of oceanic crust, M_L is calculated from the maximum short-period amplitude of the Sn phase over the entire distance range. Because Sn amplitude attenuation is not adequately known, these magnitudes should be considered tentative. In such cases where Lg is absent and reliable m_b magnitudes have been calculated by NEIS, only the latter values are usually given.

The standard deviation of one magnitude value is given in the Tables 1 - 4, along with the number of stations used in computing the average magnitude. It is important to note that the standard deviation is simply a measure of the precision of the calculation (the scatter among individual values) and not a measure

of the accuracy of the magnitude value. Similarly, magnitudes given in the tables of unlocated events are quoted to 0.1 unit but do not imply such accuracy.

II. Canadian Seismograph Network

Figure 6 shows the 33 stations of the Canadian Seismograph Network whose records are used in the preparation of this catalogue. Detailed notes regarding instrumentation and changes in instrument constants, calibrations, etc., can be found in the 1973 Seismological Bulletin (Halliday *et al.*, 1974).

The following international code letters are used as station abbreviations:

ALE	Alert, N.W.T.
BLC	Baker Lake, N.W.T.
*CHQ	Charlesbourg, P.Q.
EDM	Edmonton, Alta.
FRB	Frobisher, N.W.T.
FCC	Fort Churchill, Man.
FFC	Flin Flon, Man.
FSJ	Fort St. James, B.C.
*HAL	Halifax, N.S.
INK	Inuvik, N.W.T.
LHC	Thunder Bay, Ont.
MBC	Mould Bay, N.W.T
*MCC	Mica Creek, B.C.
MNT	Montréal, P.Q.
OTT	Ottawa, Ont.
*PBQ	Poste-de-la-Baleine, P.Q.
PHC	Port Hardy, B.C.
PNT	Penticton, B.C.
POC	La Pocatière, P.Q.
QCC	Queen Charlotte City, B.C.
QCQ	Québec, P.Q.
RES	Resolute, N.W.T.
SCB[1]	Scarborough, Ont.
SCH	Schefferville, P.Q.
SES	Suffield, Alta.
SFA	Seven Falls, P.Q.
*SIC[2]	Sept-Iles, P.Q.
STJ	Saint John's, Nfld.
*SUD	Sudbury, Ont.
*UNB	Fredericton, N.B.
VIC	Victoria, B.C.
*WHC	Whitehorse, Y.T.
YKC	Yellowknife, N.W.T.

*Regional stations, short-period vertical trace only

[1]Intermittent operation during 1973

[2]did not operate in 1973

The magnification levels of the short-period seismographs of the Canadian Seismograph Network during 1973 permitted detection of most events of magnitude 3½ or greater in Canada. In southwestern British Columbia and the upper St. Lawrence Valley area, the relatively closer seismograph spacing permitted location of events as small as magnitude 2.

III. Explosions

Seismographs of the network record many construction and mining blasts each year. Ideally, all blasts must be separated from earthquakes so that an accurate knowledge of the natural seismic activity in Canada may be obtained. Some of these blasts may have an equivalent seismic magnitude of 4 or more; these are generally easy to locate and reject. Most blasts, however, are generally much smaller and the distinction on seismograms between blasts and smaller earthquakes can be very difficult, especially when the event is recorded at only one station and is not locatable. Consequently, a few of the small unlocated events may be blasts and, on the other hand, some small earthquakes may have been inadvertently rejected as blasts. For most stations in southern Canada, suspect events are listed only if they occur during darkness hours. For the stations LHC, SCH and SUD, no suspect events are listed regardless of the time of occurrence.

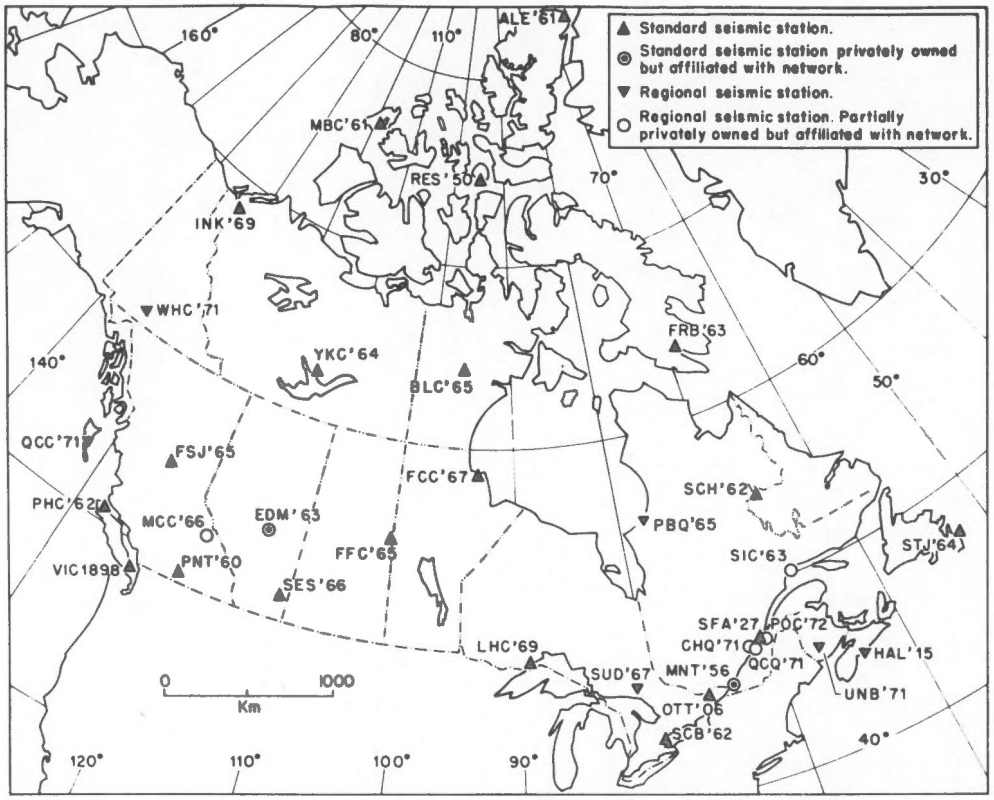

Figure 6. The Canadian Seismograph Network - 1973

IV. Summary of Seismic Activity for 1973

The seismic activity within each of the four regions of Canada is discussed in the following sections. Over 1300 earthquakes have been detected in 1973, 244 of these were large enough to be located. Figure 7 shows the locations of 55 earthquakes in or near Canada which had a magnitude or 4 or greater. One of these occurred in the eastern region, 24 in the northern region and 30 in the western region. Two earthquakes were felt widely in parts of Canada during 1973. One was in southern Quebec on 15 June at 01:09 GMT and the other was in east-central British Columbia on 05 November at 12:36 GMT. Details of these two events, as well as other events of special interest, are given in the text for the appropriate region. Table 38 gives details of 11 earthquakes felt in Canada in 1973.

1. Eastern Region

The eastern region lies east of 85°W and includes Canada south of 60°N and the United States north of 40°N. This catalogue, however, is not intended to be a complete listing of the seismic activity in the northeastern U.S. north of 40°N. Only those events which were large enough to be well recorded in Canada are included. Figure 1 shows the locations of 27 events in the eastern region during 1973, as well as the seismograph stations in Canada. Twenty of the events are in Canada and seven are in the United States. The distribution of seismic activity is as follows: 11 events in the lower St. Lawrence Valley, 4 events in northern New York State, 3 events in the Gulf of St. Lawrence, 2 events near Montreal, 2 events in Maine and 1 event each in southern Quebec on the border with Maine and on the New Jersey-Delaware border. Three suspected blasts are plotted. Twenty-seven unlocated events are listed in the tables of unlocated events for the various seismograph stations which operated in the eastern region. No station in the eastern region recorded a sufficient number of unlocated events to warrant the plotting of a histogram of number versus distance.

Several earthquakes of special interest occurred in the eastern region in 1973.

1. The Delaware-New Jersey earthquake of 28 February. This is the largest event to affect Delaware in 100 years. It was felt to distances of 70 km with a maximum intensity of V-VI. Several aftershocks were recorded on a local network set up by Cornell University and Lamont-Doherty Geological Observatory immediately following the event. Locations of the

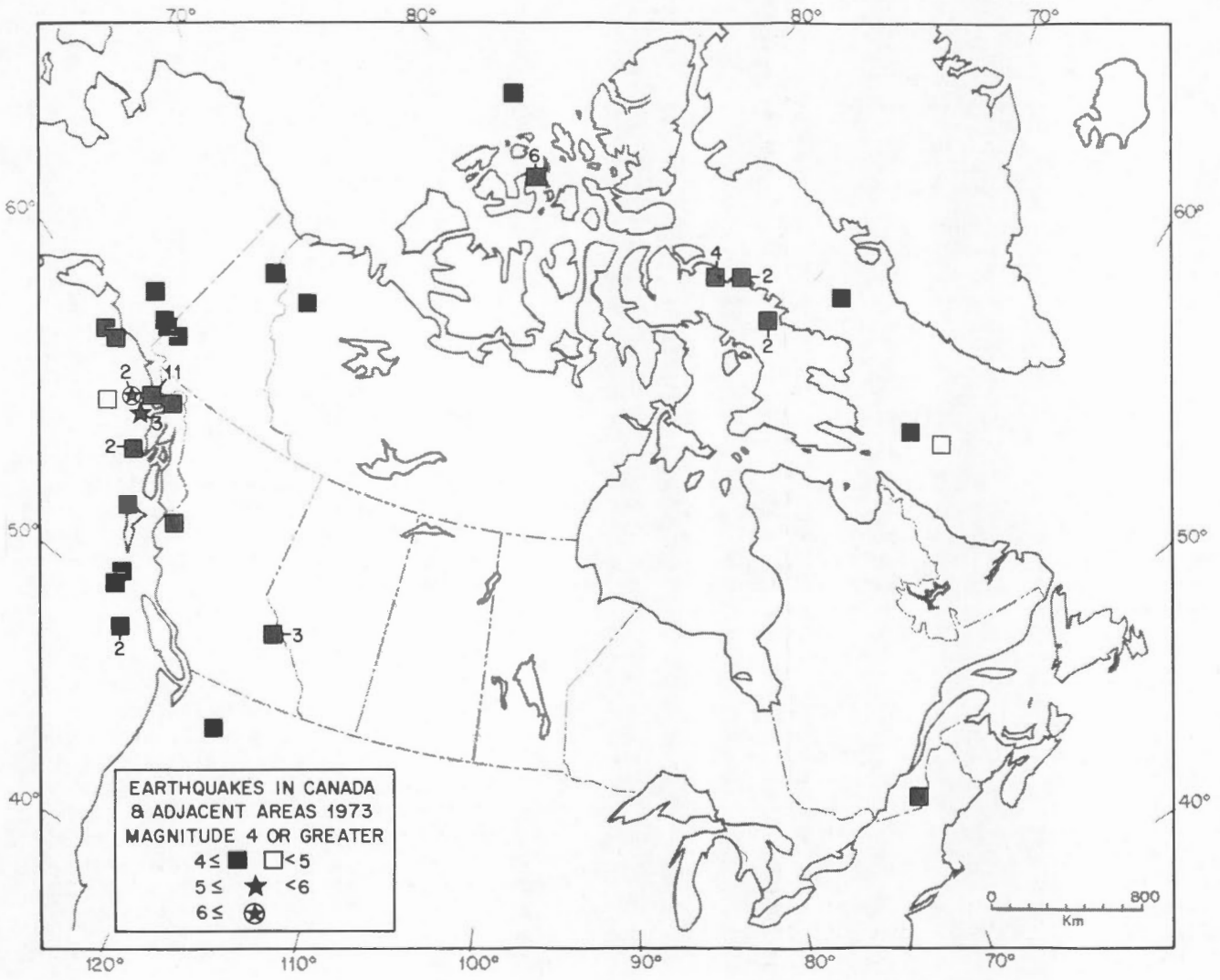

Figure 7. Earthquakes in Canada and adjacent areas during 1973 with magnitude 4 or greater

TABLE 38

A Summary of Earthquakes Reported Felt in Canada during 1973

Date and Time (GMT)	Magnitude	Location
13 Apr 07:37	M_L 2.8	In Strait of Georgia. Felt in Victoria.
04 Mar 02:47	M_L 4.6, m_N 3.9	Felt mildly in Mica Creek, B.C.
15 June 01:09	m_b 4.8, m_N 4.9	On the Quebec-Maine border. Felt (V) in Canada and the United States to distances of 300 km and beyond. Felt (II) in Quebec and Montreal. Felt (I-II) in Ottawa. Some minor damage close to the epicentre.
01 July 13:33	m_b 6.1	Felt strongly and caused minor damage in Sitka, Alaska. Not reported felt in Canada, but felt area would have included sparsely populated areas of northwestern British Columbia.
16 July 20:23	M_L 1.6	Felt mildly in Cadboro Bay, B.C.
02 Aug 22:57	M_L 1.5	Felt mildly in Victoria, B.C.
05 Nov. 12:36	m_b 4.2, M_L 4.7	Near Terrace, B.C. Felt (V) in British Columbia to distances of 120 km and beyond. Some minor damage close to the epicentre.
06 Nov 15:57	M_L 3.7	Near Terrace, B.C. Felt (III). Aftershock to previous event.
14 Nov 01:32	M_L 2.4	In Gulf of Georgia. Felt mildly in Victoria.
22 Nov 01:29	m_b 4.5	Near Kluane Lake, Y.T. Felt in Burwash landing.
05 Dec 09:54	M_L 1.7	In Juan de Fuca Strait. Felt mildly in Colwood and Marigold, B.C., on southern Vancouver Island.

aftershocks cluster near 39.79N and 75.42W with depths ranging from 5 to 8 km. A composite fault plane solution determined from the main and aftershocks indicates dip-slip motion on a nearly vertical plane striking N28°E. For more complete description of the studies of this earthquake and its aftershocks, see Sbar *et al.* (1975).

2. The Quebec-Maine border earthquake of 15 June. The location of this event is almost exactly on the border between Quebec and Maine, about 155 km south of Quebec City and 55 km east of Sherbrooke. The tremor was felt to distances of 300 km and beyond in both Canada and the United States (Figure 8) and caused a small amount of minor damage in the small town of Woburn, P.Q., which is located within 20 km of the epicentre. This is the first instance of damage from an earthquake in eastern Canada since the more severe Cornwall-Massena earthquake of 05 September 1944. Prior to 1973, the epicentral area of the Quebec-Maine border earthquake had been free of events with magnitude greater than 4 for at least 190 years and probably much longer, although several tremors originating in adjacent areas have been felt in the region. The fault plane solution for this event suggests a strike-slip mechanism on either a northeast or northwest trending plane. No causative fault can be identified in the geological reports for the epicentral area, although a strong northeast regional trend is present. See Wetmiller (1975) for a more detailed study of this event.

3. The Blue Mountain Lake earthquakes of July and August 1973. A swarm-like sequence of earthquakes commenced in mid-July at the west end of Blue Mountain Lake in the southern Adirondack Mountains of New York State near 45.87N and 73.49W. The largest events occurred on July 15 and 16, but smaller magnitude activity continued into August. The location of the two events on 15 July, as shown in Figure 1, are displaced about 10 km north of the source region. Additional data from eastern Canada, which was not used in the original NEIS hypocentres, has been incorporated in these solutions. (The location for the event on 16 July is based on data recorded only in Canada and must therefore be considered unreliable.) In addition, seven unlocated events in this sequence were recorded at MNT and are listed in Table 18. The last event listed on 30 July at 01:07 GMT triggered a strong-motion accelerograph installed at Blue Mountain Lake by the Lamont-Doherty Geological Observatory (Fletcher and Anderson, 1974) at a hypocentral distance of 1.4 km. The 30 July event and other smaller

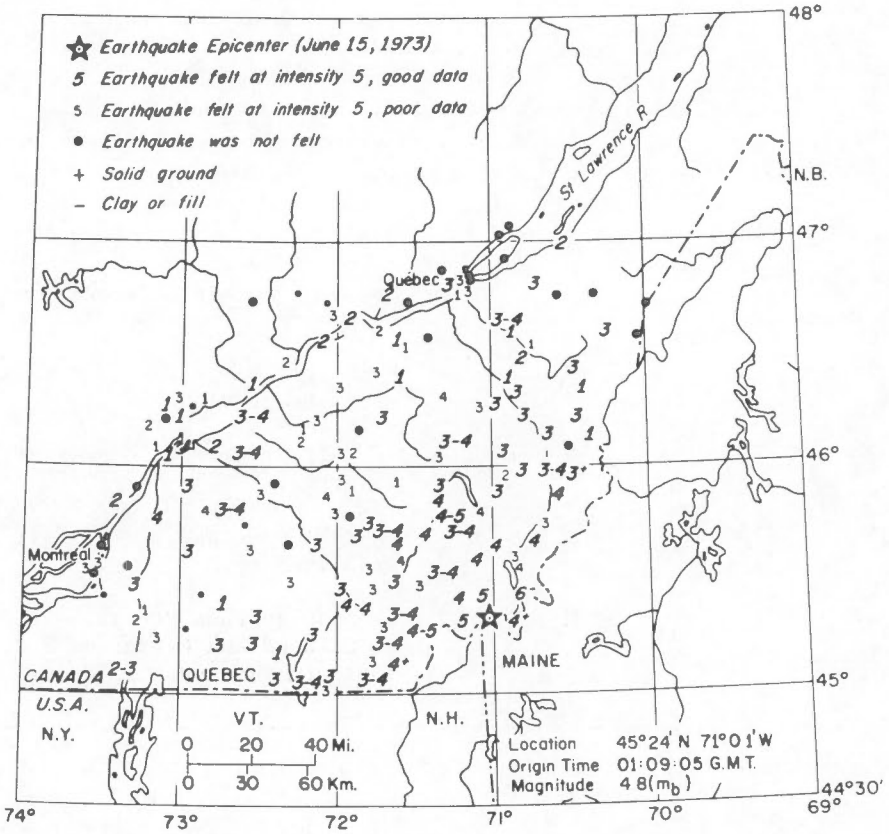

Figure 8. Observed intensities from the Quebec-Maine border earthquake of June 15, 1973

events on this and the following days were used by Aggarwal *et al.* (1975) to form the basis of a prediction of an impending earthquake in the sequence. The predicted earthquake occurred on 03 August at 23:10 GMT and triggered two strong-motion acceleragraphs (Fletcher and Anderson, 1974). It was, however, not well enough recorded at MNT to calculate a distance and magnitude and is therefore not listed in Table 18. Fletcher and Anderson (1974) calculate magnitudes of m_b2.7 and m_b2.6 for the events of 30 July and 03 August, respectively. From the MNT record, the magnitude of the 30 July event is M_L2.0 and that of the 03 August event must be less than M_L2.0. See Aggarwal *et al.* (1973, 1975) for more details on the studies of the Blue Mountain Lake earthquakes.

2. *Northern Region*

The northern region lies north of 60°N and extends west into Alaska to 145° and east into northern Greenland. Table 2 lists 138 events, including 14 in Alaska and 11 in or near Greenland. Locations of these events are plotted in Figure 2, except where noted in the event description, which also shows the seismograph stations in the region. In addition, over 700 events are listed in the tables of unlocated events for seismograph stations in the northern region. The stations, ALE, INK, MBC, RES and WHC, recorded sufficient numbers of events to allow histograms of number against distance to be derived. These are shown in Figure 9.

The distribution of seismic activity in the northern region for 1973 is as follows: 16 events on or near the northeastern coast of Baffin Island, 24 events in the Mackenzie Valley-northeastern Yukon region, 52 events in the Queen Elizabeth Islands and 4 events in the Arctic Ocean northwest of Borden Island.

The most prominent feature on the map of the northern region is the cluster of over 40 epicentres in the Sverdrup Basin of east-central Queen Elizabeth Islands between Melville and Lougheed Islands (77°N, 106°W). In addition to these located events, over 100 unlocated events recorded at MBC (Δ = 340 km) or RES (Δ = 390 km) can be identified to have originated in this same area. All the events represent only the tail end of an extensive swarm of earthquakes which commenced abruptly on 16 November 1972 and in November and December of 1972 included over 70 located events, four of magnitude greater than 5 and many more unlocated events recorded only at MBC and/or RES. Two of the magnitude 5 events in December 1972 were felt by an oil company drilling crew on King Christian Island at a distance of 140 km. No events in this sequence in 1973 had a magnitude greater than 5 and none was felt. The swarm is unusual in northern Canadian seismicity in terms of duration and the large magnitude of some of the events, although swarm activity has been noted previously in Canada's north. The aftershock sequence to the m_b5.9 earthquake of 04 September 1963 on Baffin Island is comparable to the Melville sequence. Earthquakes are known to have occurred in the source area of the Melville swarm before November 1972, but they generally have been infrequent and minor. See Stevens (1974) for a discussion of this particular swarm and other aspects of northern Canadian seismicity. Swarm activity has continued episodically in the area northeast of Melville Island through to mid-1975 (the time of writing). Additional studies of this unusual earthquake sequence by members of the Division are commencing.

A peak between 300 and 400 km due to unlocated events in this sequence is evident on the histograms for both MBC and RES in Figure 9. Epicentral distance to MBC is about 340 km and to RES about 390 km. Unlocated events in the Melville sequence recorded at both MBC and RES are listed only at MBC (Table 16) for reasons of economy. Thus, over 100 additional unlocated events in the Melville sequence are recorded at RES, but are not listed in Table 26 nor plotted in the RES histogram. Only those Melville unlocated events which were well recorded at RES but for which the equivalent MBC record was poor, noisy or non-existent are listed in Table 26 or included in the RES histogram.

In addition to the peak between 300 and 400 km, MBC and RES histograms show a peak between 0 and 100 km. At RES this peak is made up of a collection of random small events with no preferred distance (Table 26). The MBC peak at 0 - 100 km is, on the other hand, strongly influenced by swarm activity at a distance of 90 to 100 km in the month of October. Other minor instances of swarm activity at MBC were noted in April (165 km) and November (50 km). Swarm activity is not unknown in the vicinity of MBC. See Smith *et al.* (1966) for a detailed investigation of one such swarm.

Histograms of unlocated events are also presented for ALE, INK and WHC in the northern region. The ALE histogram is based on few events, reflecting relative stability of the ALE area compared to the areas of MBC and RES. The peak on the ALE histogram at 700-900 km is due to events on the eastern coast of Greenland, the Greenland Sea and the Arctic Ocean north and east of Greenland and north of Svalbard.

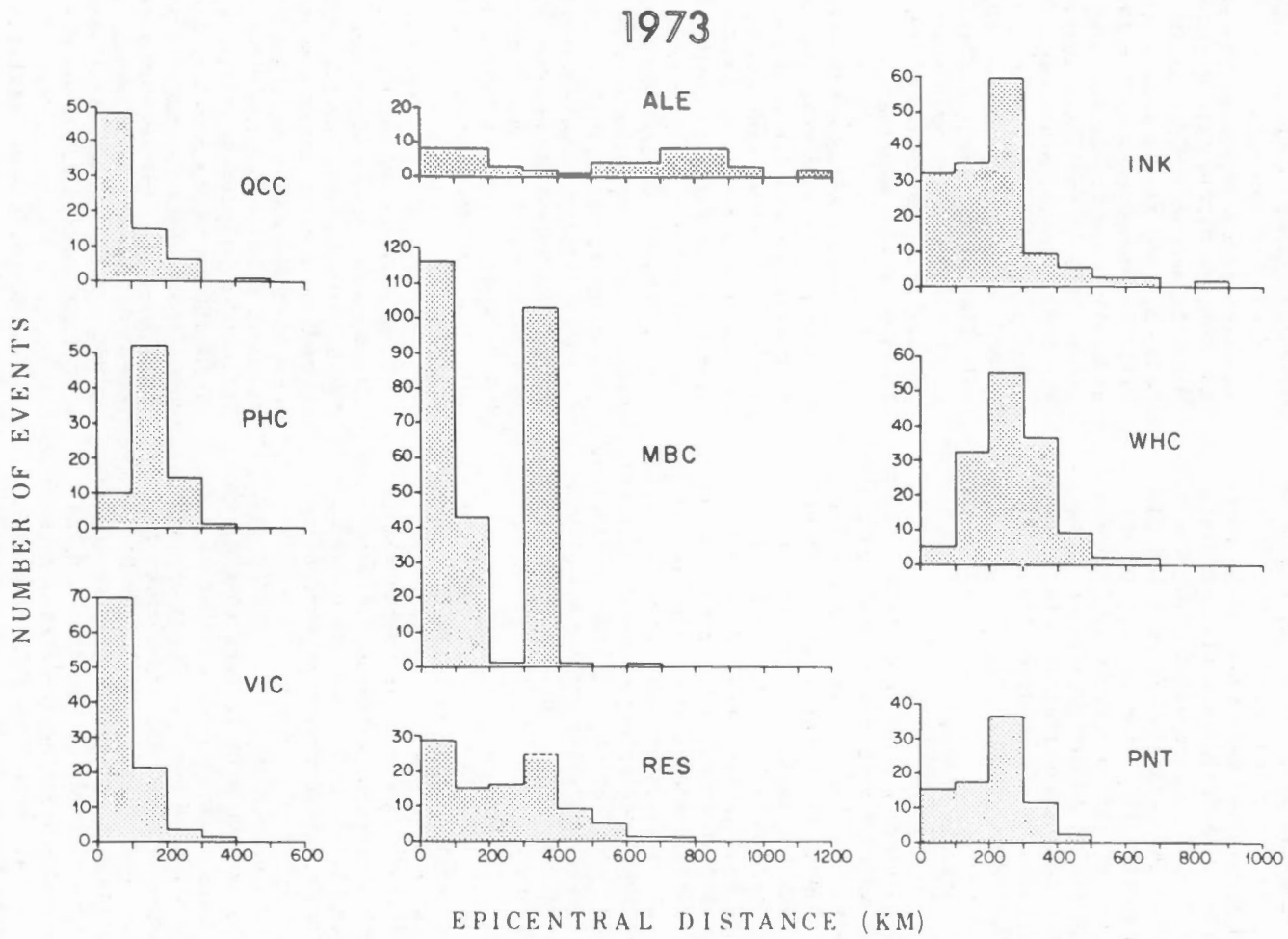

Figure 9. Histograms of unlocated events recorded at VIC-PHC-QCC, MBC-RES-ALE and PNT-WHC-INK

Prior to 1973 many of these unlocated events could have been located with the addition of data from seismograph station NOR operated by the Danish Geodetic Institute on the northeastern coast of Greenland. This station, however, was closed in June 1972.

The histograms for INK and WHC are quite similar, both showing a peak between 200 and 300 km indicating the presence of a nearby more active seismic region. In the case of INK, this region lies in the northeastern Yukon and along the Yukon-NWT boarder in the Richardson Mountains to the southwest of INK. See Leblanc and Wetmiller (1974) for a discussion of this seismic area. In the case of WHC, the peak of 200 - 300 km represents seismic activity in southeastern Alaska to the west and southwest of WHC. Not tabulated in Table 36 nor included in the WHC histogram are over 100 aftershocks to the m_b6.1 Sitka earthquake of 01 July which occurred throughout July and August.

The WHC histogram shows relative stability at distances 0 - 100 km compared to INK. The large number of events recorded at INK in 1973 with distances less than 100 km is something that has not been noted in previous years (Horner, 1973). This large number is made up in part of a sequence of events in late March and early April at a distance of 20 - 30 km. The record trace of these events is such that some doubt may be expressed as to the authenticity of these events. They may be blasts. The continuing development in the INK area makes the identification of such small events close to the station increasingly uncertain. Note, however, that three earthquakes have been located in the Mackenzie Delta area within 100 km of Inuvik during 1973 (Figure 2).

Two other events of note occurred in the Mackenzie Valley on 23 March at 06^h and 15^h GMT. These were located well to the east of the historical pattern of seismicity in the region.

3. *Western Region*

The western region lies west of 113°N and includes Canada and Alaska east of 145°W and south of 60°N, Montana, Idaho and Washington States north of 48°, the Puget Sound area of Washington State north of 47°N between 121°W and 125°W. However, this catalogue is not a complete listing of all earthquakes in the Puget Sound basin. Only those events large enough to be well recorded in Canada are included. The regional boundary extends westward into the Pacific Ocean between 48°N and 60°N to include earthquakes that are located along tectonic features west of the mainland. In the area which includes the Gulf Islands and the San Juan Islands at the southern end of the Strait of Georgia, the true epicentres of some of the earthquakes that are in the Canadian section of Table 3 may be in the United States, and vice versa.

Table 3 lists 81 earthquakes, 39 in Canada and 42 in the United States, primarily southeastern Alaska. Epicentres of these events are plotted, except where noted otherwise, in Figure 3, which also shows the Canadian seismograph stations in the area. In addition, 374 unlocated events are listed in the appropriate tables of unlocated events for seismograph stations in the western region. As can be seen from the small number of located events in Canada, 1973 is a quiet year in western Canadian seismicity.

The distribution of seismic activity in the western regions for 1973 is as follows: 30 events in southeastern Alaska and off the coast, 23 events west of Vancouver Island and south of Queen Charlotte Islands, 9 events in the Puget Sound-Georgia Strait area and 8 events in the Rocky Mountains of eastern British Columbia and northwestern Montana. Several suspected blasts are plotted in this last area.

Several earthquakes of special interest occurred in the western region in 1973.

1. The Mica Creek sequence. In Figure 3, six events are located in the upper Columbia River valley near Mica Creek, B.C. These occurred on March 4, 22 and 30 and October 24. In addition, over 40 unlocated events at MCC connected with this sequence are listed in Table 17. The seismic activity in the Mica region has been monitored since late 1972 by a 5-element seismic array installed by the University of British Columbia prior to the loading of the Mica reservoir (Ellis and Russell, 1973). This array detected over 700 events in February and March and an additional 180 events in October (Ellis, 1973), all originating from the same area near 52.1°N, 118.0°W. The epicentres calculated from Canadian network data for the six largest events in the sequence are consistently displaced about 5 km to the southwest of the actual source area. The UBC epicentres given in each case are those calculated from the data on the UBC array only and are more representative of the actual locations of the events. Filling of the Mica reservoir was initiated only in late March of 1973, subsequent to the main part of the seismic activity of March 4, with a full pool anticipated in 1976 (Ellis, 1973). The seismic activity observed in the area in 1973 is therefore unrelated to the filling of the reservoir, but indicates the presence of tectonic stress. The historical seismicity of the region around Mica Creek includes a few minor events. In

November and December of 1970 the area of Valemont about 90 km northwest of MCC was shaken three times by minor earthquakes with magnitudes m_N3.8, M_L2.5 and m_N2.8 (Horner, 1975).

In Table 3, both Richter magnitudes (based on data from all stations not in the Cordillera and beyond 500 km) are quoted. The source area lies in the Cordillera so that the applicability of Nuttli's (1973) equations may be questioned. Nevertheless, the m_N values probably more truly represent the actual size of the events, but they are less consistent as a relative scaling of the different events because they are derived in each case from no more than three readings at a similar azimuth. The M_L values, on the other hand, are more consistent in assessing the relative size of the events, both in the sequence and when compared to other events in the western region. The M* values for the UBC solutions are based on signal durations (Lee *et al.*, 1972) and should be considered experimental at present (Ellis, 1973).

2. The Sitka sequence of July 1973. This sequence began abruptly on 01 July at 13:33 with an M_S6.7 shock which was widely felt in southeastern Alaska and caused some damage at Sitka. Many aftershocks were recorded in the following months; over 40 are listed in Table 3. In addition, WHC (Δ = 300 to 400 km) recorded hundreds of events in July and August with magnitudes less than 3. None of these events has been listed in Table 36 for unlocated events at WHC nor included in the WHC histogram. The epicentre of the main shock for the 1973 sequence is about 120 km northwest of the location of the M_S7.6 shock of 30 July 1972, which was also widely felt in southeastern Alaska and caused minor damage at Sitka.

3. The Terrace Earthquake of 5 November 1973. The Terrace earthquake occurred about 20 km southwest of Terrace in west-central British Columbia on 5 November at 12:36 GMT. It was felt to distances of 120 km (Figure 10) and caused some minor damage in terms of broken windows and cracked plaster. The source area, which contains hot springs and evidence of geologically recent volcanism, has been aseismic in historical times. See Rogers (1975) for a more complete discussion of this event.

Seismograph stations PHC, PNT, QCC and VIC in the western region recorded sufficient numbers of small magnitude unlocated events in 1973 to allow histograms of number of events against distance to be derived. These are shown in Figure 9.

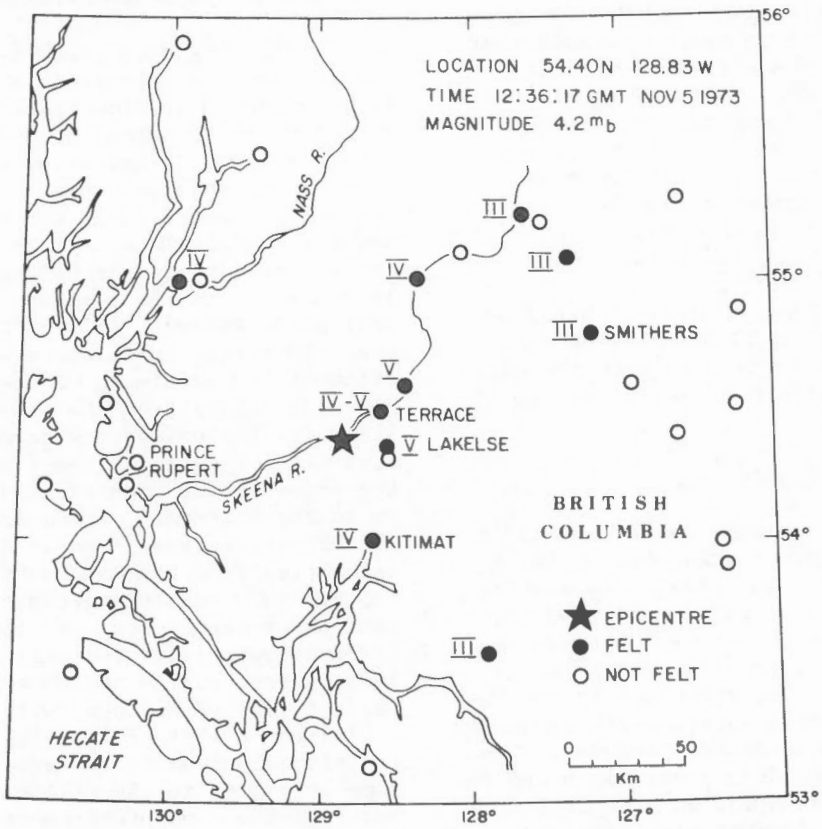

Figure 10. Observed intensities from the Terrace earthquake of November 5, 1973

QCC and VIC histograms show a strong peak at 0 - 100 km. In the case of VIC, this represents seismic activity in the Puget Sound basin of Washington State, although some of the events within 50 km of VIC during daylight hours may be blasts around Victoria. For QCC, the peak at 0 - 100 km is thought to represent activity along the major tectonic faults which pass close to the western side of the islands. Note that only two earthquakes could be located on the Queen Charlotte Islands in 1973. For PHC, the peak occurs at 100 - 200 km and represents seismic activity west of Vancouver Island. Many events are located in this area in Figure 3. Note the relative stability of the area around PHC as evidenced by the small number of unlocated events 0 - 100 km compared to the areas around QCC or VIC. For PNT, the peak occurs in the range 200 - 300 km and again for the most part represent seismic activity in the western section of Washington State. Many of the unlocated events from this area are common to VIC and PNT. In contrast to some previous catalogue years, these smaller events in Washington State have not been located but listed as unlocated events at both stations. Unlocated events on the PNT records that are not common to VIC probably originate in the Rocky Mountains to the south and east of PNT, most likely in Idaho, northwestern Montana or eastern British Columbia. The PNT histogram also shows a relatively high level of activity close to the station, although no earthquakes in 1973 have been located near PNT. The area around PNT is an active mining area and some of the events listed close to PNT may be mining blasts.

4. Central Region

The Central Region includes the area of Canada south of 60°N, west of 85°W and east of 114°W, comprising Saskatchewan, Manitoba and parts of Alberta and Ontario. No earthquakes are located in the Central Region during 1973. Figure 4 shows the locations of two events located in the United States south of the Central Region and also shows the seismograph stations in Canada. Thirteen unlocated events are noted at SES and three at EDM. These are believed to originate in the Rocky Mountains of Montana, eastern British Columbia or western Alberta. Some of the events noted during daylight hours may be blasts at one of the many mining areas in these areas.

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TABLE 1

EARTHQUAKES OF EASTERN CANADA AND ADJACENT AREAS
1973

(F=FILLED, O=OPEN SYMBOL ON EPICENTRE MAPS)

A. CANADIAN EPICENTRES

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF STN	DATA PHA	MAG	
JAN 5	02 46 03.(1)	47.55 N(0.08)	70.36 W(0.04)	0.6	ML=1.9(0.1)	3	6	3	O
	NORTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR LES EBOULEMENTS, P.Q. 30 KM NORTHWEST OF POC POC TIME CORRECTION UNCERTAIN AT THIS TIME DEPTH = 10. KM(GEOPHYSICIST)								
JAN 28	13 07 50.(1)	47.97 N(0.03)	70.03 W(0.06)	2.1	MN=3.1(0.0)	7	16	2	F
	NORTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR BAIE-DES-ROCHERS, P.Q. 70 KM NORTH OF POC								
FEB 3	21 27 32.(0)	47.43 N(0.02)	70.36 W(0.01)	0.1	ML=1.7(0.2)	3	5	3	O
	NORTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR LES EBOULEMENT, P.Q. 25 KM NORTHWEST OF POC DEPTH = 10. KM(GEOPHYSICIST)								
FEB 18	09 41 14.(1)	47.22 N(0.09)	70.22 W(0.08)	0.3	ML=1.6(0.8)	3	5	3	O
	SOUTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR ST.-JEAN-PORT-JOLI, P.Q. POOR SOLUTION 20 KM SOUTHWEST OF POC DEPTH = 10. KM(GEOPHYSICIST)								
FEB 25	19 46 46.(0)	45.23 N(0.02)	73.97 W(0.04)	1.4	ML=2.9(0.3)	9	18	4	F
	SOUTHERN QUEBEC, SOUTH OF THE ST. LAWRENCE RIVER NEAR HOWICK, P.Q. 40 KM SOUTHWEST OF MNT DEPTH = 10. KM(GEOPHYSICIST)								
JUN 14	15 09 55.(4)	49.48 N(0.15)	66.50 W(0.07)	0.9	MN=3.1( )	4	6	1	F
	IN THE LOWER ST. LAWRENCE RIVER OFF STE.-ANNE-DES-MONTS, P.Q. 90 KM SOUTH OF SIC								
JUN 15	01 09 05.(0)	45.39 N(0.03)	71.03 W(0.04)	2.1	MN=4.9(0.3)	33	46	3	F
NEIS	01 09 04.	45.32 N	70.91 W	8.6	MB=4.8	23	23		
	SOUTHERN QUEBEC ON BORDER WITH MAINE, ABOUT 155 KM SOUTH OF QUEBEC CITY AND 55 KM EAST OF SHERBROOKE, P.Q. FELT IN SOUTHERN QUEBEC, EASTERN ONTARIO AND NEW ENGLAND STATES TO A DISTANCE OF 300 KM FROM EPICENTRE. MAXIMUM INTENSITY OF VI WAS EXPERIENCED IN WOBURN, P.Q. WITH A SMALL AMOUNT OF MINOR DAMAGED BEING SUSTAINED TO PLASTER AND CHIMNEYS. NO AFTERSHOCK ACTIVITY WITH MAGNITUDE GREATER THAN 2 WAS ASSOCIATED WITH THIS EVENT BUT FIELD CREWS DISPATCHED TO THE EPICENTRAL AREA RECORDED MICROEARTHQUAKE ACTIVITY FOR A FEW DAYS FOLLOWING THE EVENT. SEE WETMILLER (1975) FOR DETAILED STUDY OF THIS EVENT. SEE FIGURE 8 FOR DISTRIBJTION OF FELT REPORTS IN CANADA NEIS CALCULATES A DEPTH OF 12 KM DEPTH = 10. KM(GEOPHYSICIST)								
JUL 20	17 06 39.(3)	49.56 N(0.10)	66.96 W(0.30)	3.3	MN=3.1( )	5	6	1	F
	IN THE LOWER ST. LAWRENCE RIVER OFF POINTE-AUX-ANGLAIS, P.Q.								
AUG 2	09 39 30.(0)	47.16 N(0.01)	70.30 W(0.01)	0.0	ML=1.4(0.3)	3	4	3	O
	SOUTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR ST.-JEAN-PORT-JOLI, P.Q. 30 KM SOUTHWEST OF POC DEPTH = 10. KM(GEOPHYSICIST)								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF STN	DATA PHA	MAG	
AUG 29	10 08 11.(1)	47.83 N(0.06)	69.97 W(0.06)	0.5	ML=1.8(0.1)	3	5	3	0
	NORTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR ST. SIMEON, P.Q. 50 KM NORTH OF POC DEPTH = 10. KM(GEOPHYSICIST)								
SEP 10	06 11 12.(3)	47.68 N(0.16)	70.24 W(0.06)	1.4	ML=2.9(0.5)	6	8	4	F
	NORTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR ST. IRENE, P.Q. 30 KM NORTHWEST OF POC DEPTH = 10. KM(GEOPHYSICIST)								
SEP 16	18 05 20.(4)	47.45 N(0.27)	70.45 W(0.14)	1.8	ML=1.5(0.3)	3	6	3	F
	NORTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR LES EBOULEMENTS, P.Q. 30 KM WEST OF POC DEPTH = 10. KM(GEOPHYSICIST)								
SEP 24	06 27 05.(0)	47.27 N(0.01)	69.83 W(0.02)	0.1	ML=1.6(0.2)	3	5	3	0
	SOUTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER 20 KM SOUTHEAST OF POC DEPTH = 10. KM(GEOPHYSICIST)								
OCT 13	01 39 14.(4)	49.57 N(0.07)	61.36 W(0.44)	2.5	MN=3.1(0.5)	3	6	3	F
	IN THE GULF OF ST. LAWRENCE OFF EASTERN END OF ANTICOSTI ISLAND								
OCT 23	12 37 10.(4)	51.26 N(0.29)	62.39 W(1.77)	2.9	MN=3.2(0.1)	4	5	4	0
	EAST-CENTRAL QUEBEC 125 KM NORTHEAST OF LAC ALLARD POSSIBLE BLAST								
NOV 8	17 41 29.(1)	45.98 N(0.05)	75.00 W(0.05)	0.6	ML=2.4(0.1)	4	5	4	F
	SOUTHWESTERN QUEBEC, NEAR LAC REMI, P.Q. 90 KM NORTHEAST OF OTT DEPTH = 10. KM(GEOPHYSICIST)								
NOV 15	17 31 35.(3)	49.60 N(0.25)	69.01 W(1.09)	3.2	MN=3.1( )	4	6	1	0
	CENTRAL QUEBEC, NEAR OUTARDES RIVER POSSIBLE BLAST								
NOV 16	01 36 34.(1)	47.55 N(0.05)	70.29 W(0.10)	1.6	MN=3.1( )	7	10	1	F
	NORTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER NEAR LES EBOULEMENTS, P.Q. 30 KM NORTHWEST OF POC DEPTH = 10. KM(GEOPHYSICIST)								
DEC 27	05 49 38.(0)	47.28 N(0.01)	69.91 W(0.02)	0.1	ML=1.3(0.5)	3	5	3	0
	SOUTHERN SHORE OF THE LOWER ST. LAWRENCE RIVER 15 KM EAST OF POC DEPTH = 10. KM(GEOPHYSICIST)								

B. UNITED STATES EPICENTRES

FEB 2	23 09 30.(2)	44.43 N(0.13)	74.78 W(0.06)	2.2	MN=2.8( )	6	14	1	F
	NORTHERN NEW YORK STATE BETWEEN MASSENA AND TUPPER LAKE POSSIBLE BLAST DEPTH = 10. KM(GEOPHYSICIST)								
FEB 28	08 21 34.(1)	39.84 N(0.05)	75.53 W(0.06)	3.0	MN=3.8(0.3)	27	38	7	F
NEIS	08 21 32.	39.72 N	75.44 W	8.4	MN=3.8	24	24	1	
	NEW JERSEY. FELT(VI) IN CONNECTICUT, DELAWARE, MARYLAND, PENNSYLVANIA, NEW JERSEY AND NEW YORK DEPTH = 14. KM(NEIS) SEE TEXT FOR MORE INFORMATION ON THIS EVENT								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
MAR 25	01 49 02.(1)	45.26 N(0.06)	69.11 W(0.04)	1.4	ML=2.8(0.3)	5	11	5	F
	CENTRAL MAINE, ABOUT 35 KM NORTHWEST OF BANGOR								
	DEPTH = 10. KM(GEOPHYSICIST)								
JUN 11	10 08 43.(3)	43.92 N(0.12)	73.91 W(0.08)	1.2	ML=2.8(0.1)	3	6	3	F
	NORTHEASTERN NEW YORK STATE CLOSE TO LAKE CHAMPLAIN								
	ABOUT 30 KM EAST OF BLUE MOUNTAIN LAKE								
JUL 15	08 20 31.(0)	43.97 N(0.03)	74.49 W(0.04)	2.2	MN=3.4(0.1)	23	30	3	F
NEIS	08 20 30.	43090 N	74.41			20	20	0	
	NEW YORK STATE, NEAR BLUE MOUNTAIN LAKE								
	SEE TEXT FOR DETAILS ON THESE EARTHQUAKES								
	DEPTH = 0.9 KM(NEIS)								
JUL 15	10 32 38.(0)	43.96 N(0.03)	74.43 W(0.04)	2.0	MN=3.2(0.1)	24	30	3	F
NEIS	10 32 38.	43.90 N	74.41		MB=3.4	15	15	2	
	NEW YORK STATE, NEAR BLUE MOUNTAIN LAKE								
	DEPTH = 1.4 KM(NEIS)								
JUL 16	08 41 58.(2)	43.76 N(0.07)	74.47 W(0.03)	0.8	MN=3.3(0.1)	5	7	2	0
	NEW YORK STATE, NEAR BLUE MOUNTAIN LAKE								
	DEPTH = 1. KM(GEOPHYSICIST)								
NOV 27	07 29 16.(1)	46.80 N(0.08)	68.40 W(0.06)	0.7	ML=2.0(0.2)	4	7	4	F
	NORTHERN MAINE								
	ABOUT 30 KM NORTHWEST OF PRESQUE ISLE, MAINE								

TABLE 2

EARTHQUAKES OF NORTHERN CANADA AND ADJACENT AREAS
1973

(F=FILLED, O=OPEN SYMBOL ON EPICENTRE MAPS)

A. CANADIAN EPICENTRES

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
JAN 1	00 17 40.(2)	77.80 N(0.15)	104.39 W(0.18)	0.7	ML=2.8(0.2)	2	5	2	O
	NORTHEAST OF LOUGHEED ISLAND, N.W.T.								
JAN 1	00 21 02.(1)	76.68 N(0.06)	106.22 W(0.28)	2.0	MN=4.0( )	5	10	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 1	04 04 17.(1)	76.18 N(0.08)	107.23 W(0.20)	1.5	MN=3.4( )	3	8	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 1	17 04 09.(1)	76.20 N(0.05)	107.34 W(0.11)	0.7	MN=3.4( )	3	6	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 1	22 56 30.(1)	76.34 N(0.11)	107.12 W(0.31)	1.6	MN=3.1( )	3	6	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 1	22 58 52.(1)	76.58 N(0.13)	106.76 W(0.29)	1.7	MN=3.2( )	3	6	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 1	23 09 48.(3)	76.53 N(0.18)	107.04 W(0.53)	2.2	MN=2.9( )	3	5	1	O
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 3	03 22 34.(1)	76.60 N(0.04)	106.34 W(0.16)	1.8	MN=3.7(0.2)	7	16	3	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 3	08 32 03.(1)	76.69 N(0.06)	105.90 W(0.25)	2.9	MN=3.8(0.3)	7	17	3	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 3	19 59 56.(0)	76.41 N(0.02)	106.91 W(0.07)	0.4	MN=3.3( )	3	7	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 5	01 34 00.(1)	76.63 N(0.07)	106.41 W(0.28)	3.2	MN=3.7(0.2)	7	17	3	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 5	17 41 15.(2)	76.27 N(0.20)	107.28 W(0.44)	3.8	ML=3.5(0.6)	3	8	2	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 6	17 59 32.(1)	76.49 N(0.03)	105.82 W(0.14)	1.2	MN=3.7(0.2)	6	12	3	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 9	13 14 10.(1)	76.45 N(0.06)	107.00 W(0.20)	1.1	MN=3.5( )	3	8	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 9	13 17 41.(1)	76.62 N(0.04)	105.90 W(0.17)	1.8	MN=4.4(0.1)	9	16	3	F
NEIS	13 17 41.(1)	76.50 N(7KM)	105.57 W(5KM)	1.3	MB=3.7	12	12	2	
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 9	13 23 20.(1)	76.61 N(0.04)	106.22 W(0.18)	1.9	MN=4.4(0.2)	7	13	3	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 9	14 24 37.(1)	75.66 N(0.04)	107.44 W(0.13)	0.8	MN=3.0( )	3	6	1	F
	ON MELVILLE ISLAND, N.W.T.								
JAN 14	08 25 15.(1)	76.51 N(0.07)	106.78 W(0.23)	1.1	MN=3.1( )	3	6	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 16	11 59 27.(1)	71.12 N(0.85)	72.97 W(0.21)	2.4	MN=3.5(0.6)	4	11	4	F
	BAFFIN ISLAND, N.W.T.								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
JAN 16	14 58 19.(2)	68.73 N(0.06)	67.89 W(0.26)	1.9	MN=3.9(0.4)	3	9	3	F
	BAFFIN ISLAND NEAR HOME BAY, N.W.T.								
JAN 20	00 24 17.(4)	68.53 N(0.16)	59.63 W(0.56)	4.4	ML=4.9( )	4	9	1	F
	DAVIS STRAIT								
JAN 20	01 14 06.(1)	76.51 N(0.07)	105.59 W(0.36)	2.4	MN=3.6( )	5	9	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 21	01 40 51.(1)	76.57 N(0.07)	106.48 W(0.26)	3.3	MN=3.6(0.3)	7	15	3	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 23	23 17 00.(1)	65.16 N(0.04)	133.57 W(0.17)	1.4	MN=2.7( )	3	7	1	F
	EAST-CENTRAL YUKON								
JAN 25	14 52 03.(1)	65.60 N(0.05)	89.07 W(0.10)	2.8	MN=3.8(0.1)	6	17	4	F
	NEAR WAGER BAY, N.W.T.								
JAN 26	00 56 34.(0)	74.37 N(0.01)	95.69 W(0.07)	0.2	MN=2.7(0.6)	3	4	2	0
	BARROW STRAIT, 40 KM SOUTHWEST OF RES								
JAN 30	00 05 29.(1)	76.74 N(0.04)	106.33 W(0.17)	1.8	MN=3.4(0.2)	6	15	2	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 30	04 18 05.(1)	69.58 N(0.07)	119.89 W(0.21)	3.3	MN=3.3(0.2)	5	13	3	F
	DOLPHIN AND UNION STRAIT,								
	280 KM NORTHWEST OF COPPERMINE, N.W.T.								
JAN 31	01 54 43.(0)	76.59 N(0.03)	106.46 W(0.13)	1.2	MN=3.5(0.3)	6	14	2	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JAN 31	21 33 23.(1)	76.74 N(0.05)	106.39 W(0.24)	2.3	MN=4.4(0.9)	6	14	2	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
FEB 3	21 59 13.(2)	76.43 N(0.17)	106.56 W(0.36)	3.3	MN=3.4( )	3	10	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
FEB 5	16 58 48.(1)	70.42 N(0.03)	112.09 W(0.11)	1.5	MN=2.9(0.2)	5	11	4	F
	VICTORIA ISLAND, N.W.T.								
FEB 6	06 02 21.(2)	76.28 N(0.10)	107.26 W(0.33)	1.9	MN=3.3( )	3	7	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
FEB 12	10 56 33.(1)	76.42 N(0.08)	107.03 W(0.25)	3.1	MN=3.8(0.3)	7	17	3	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
FEB 14	03 38 38.(1)	76.77 N(0.04)	106.14 W(0.16)	1.9	MN=4.0(0.1)	8	16	3	F
NEIS	03 38 38.(1)	77.08 N(8KM)	105.82 W(6KM)	1.3	MB=3.9	8	8	1	
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
FEB 15	12 58 34.(1)	76.62 N(0.06)	106.19 W(0.21)	2.2	MN=3.6(0.2)	6	14	2	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
FEB 15	21 30 49.(1)	69.30 N(0.02)	133.14 W(0.11)	0.8	MN=2.4( )	3	7	1	F
	MACKENZIE RIVER DELTA, N.W.T.								
	ABOUT 110 KM NORTH OF INUVIK								
FEB 16	00 12 11.(2)	65.53 N(0.07)	136.14 W(0.29)	1.2	ML=3.5( )	3	8	1	F
	EAST-CENTRAL YUKON TERRITORY								
FEB 16	05 31 27.(1)	68.52 N(0.05)	133.35 W(0.22)	1.0		3	5	0	0
	MACKENZIE RIVER DELTA, N.W.T.								
	ABOUT 30 KM NORTH OF INUVIK								
	MAGNITUDE UNCERTAIN, LESS THAN 3								
FEB 16	08 34 22.(1)	66.87 N(0.06)	135.49 W(0.13)	2.8	MN=4.3( )	14	21	1	F
NEIS	08 34 20.(0)	67.15 N(6KM)	135.81 W(3KM)	1.2	MB=4.0	22	22	4	
	YUKON-NWT BORDER, NEAR FORT MCPHERSON, N.W.T.								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
FEB 18	14 44 26.(2)	66.88 N(0.05)	135.44 W(0.20)	0.9	MN=2.7( )	3	7	1	F
	YUKON-NWT BORDER, NEAR FORT MCPHERSON, N.W.T.								
FEB 28	03 16 03.(1)	64.13 N(0.04)	130.15 W(0.11)	1.6	MN=2.9(0.2)	5	11	3	F
	MACKENZIE MOUNTAINS, N.W.T.								
MAR 1	08 27 15.(1)	76.69 N(0.06)	106.55 W(0.21)	2.3	MN=3.6( )	5	13	1	F
	NORTHEAST OF MELVILLE ISLAND N.W.T.								
MAR 2	15 54 39.(1)	68.36 N(0.03)	135.13 W(0.09)	0.4	MN=2.8( )	3	6	1	F
	MACKENZIE RIVER DELTA, N.W.T.								
	ABOUT 70 KM WEST OF INUVIK								
MAR 5	05 20 59.(1)	76.54 N(0.07)	106.76 W(0.15)	1.3	MN=3.8( )	4	10	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
MAR 8	19 35 33.(1)	62.78 N(0.07)	125.45 W(0.07)	1.3	MN=3.1(0.3)	3	7	2	F
	MACKENZIE MOUNTAINS, NWT, SOUTHWEST OF WRIGLEY								
MAR 16	11 13 37.(1)	76.50 N(0.06)	106.42 W(0.23)	2.9	MN=3.8(0.2)	6	15	2	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
MAR 19	06 06 03.(2)	63.32 N(0.19)	124.39 W(0.21)	2.2	MN=2.7(0.2)	3	7	2	F
	MACKENZIE RIVER VALLEY, NEAR WRIGLEY, N.W.T.								
MAR 19	06 21 25.(1)	64.47 N(0.11)	123.31 W(0.16)	1.5	MN=2.5( )	3	7	1	F
	MACKENZIE RIVER VALLEY, NEAR WRIGLEY, N.W.T.								
MAR 21	13 47 21.(0)	66.79 N(0.01)	135.44 W(0.06)	0.5	MN=2.9( )	3	7	1	F
	RICHARDSON MOUNTAINS, YUKON								
MAR 21	17 33 49.(2)	76.55 N(0.11)	106.70 W(0.41)	3.3	MN=3.4( )	4	8	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
MAR 23	06 36 58.(2)	66.53 N(0.16)	130.65 W(0.36)	2.4	MN=3.0( )	3	8	1	F
	LOWER MACKENZIE RIVER VALLEY, N.W.T.								
	NORTHWEST OF FORT GOOD HOPE								
MAR 23	15 15 37.(0)	66.69 N(0.03)	130.21 W(0.06)	1.5	MN=4.6(0.2)	14	22	3	F
NEIS	15 15 39.(0)	66.74 N(3KM)	130.00 W(9KM)	0.7	MB=4.8	24	24	14	
	LOWER MACKENZIE RIVER VALLEY , N.W.T.								
	NORTHWEST OF FORT GOOD HOPE								
MAR 23	21 04 44.(0)	63.93 N(3.02)	129.94 W(0.06)	1.0	MN=3.4(0.6)	4	10	2	F
	SELWYN MOUNTAINS, YUKON-NWT BORDER								
APR 10	19 49 42.(1)	76.58 N(0.10)	106.96 W(0.24)	1.8	MN=3.4( )	3	9	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
APR 19	16 19 45.(1)	67.55 N(0.04)	66.62 W(0.18)	1.4	MN=3.2( )	3	10	1	F
	CUMBERLAND PENINSULA, BAFFIN ISLAND								
APR 22	13 37 43.(1)	80.09 N(0.06)	107.64 W(0.13)	0.3	ML=2.7( )	2	4	1	O
	ARCTIC OCEAN, NORTHWEST OF ELLEF RINGNES ISLAND								
APR 24	03 55 05.(1)	71.38 N(0.05)	71.22 W(0.17)	3.5	MN=4.7(0.4)	14	35	9	F
NEIS	03 55 07.(0)	71.73 N(12KM)	71.27 W(6KM)	1.0	MB=4.2	17	17	3	
	CAPE ADAIR, BAFFIN ISLAND								
APR 27	02 01 24.(1)	80.03 N(0.06)	117.07 W(0.41)	1.7	ML=4.6(0.3)	7	13	6	F
NEIS	02 01 28.(1)	80.07 N(8KM)	114.05 W(17KM)	0.7	MB=4.2	13	13	6	
	ARCTIC OCEAN, NORTHWEST OF BORDEN ISLAND								
APR 27	02 10 50.(1)	79.99 N(0.03)	116.69 W(0.30)	0.6	ML=3.4(0.2)	3	6	3	F
	ARCTIC OCEAN, NORTHWEST OF BORDEN ISLAND								
APR 27	09 31 44.(7)	69.39 N(0.80)	65.51 W(1.51)	3.5	MN=3.2(0.1)	2	4	2	O
	BAFFIN ISLAND, NEAR HOME BAY								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
APR 28	01 40 13.(3)	77.18 N(0.20)	114.96 W(0.32)	1.7	ML=2.4( )	3	6	1	F
	BALLANTYNE STRAIT, NORTHEAST OF PRINCE PATRICK ISLAND								
APR 29	10 19 36.(1)	76.49 N(0.06)	106.87 W(0.15)	1.0	MN=3.2( )	3	8	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
APR 30	21 27 24.(1)	76.59 N(0.05)	106.29 W(0.22)	2.2	MN=3.8(0.4)	6	14	2	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
MAY 3	05 42 32.(1)	76.48 N(0.07)	106.41 W(0.32)	3.8	MN=4.9(0.3)	10	24	5	F
NEIS	05 42 34.(0)	76.60 N(3KM)	107.41 W(2KM)	0.8	MB=4.3	35	35	7	
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
MAY 15	15 40 52.(1)	76.58 N(0.03)	106.61 W(0.15)	1.4	MN=3.9(0.1)	6	14	2	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
MAY 20	05 12 00.(1)	65.45 N(0.07)	134.45 W(0.14)	1.7	MN=3.5(0.1)	6	11	3	F
NEIS	05 12 01.(2)	65.62 N(23KM)	134.54 W(21KM)	4.1	MB=3.5	8	8	1	
	EAST-CENTRAL YUKON, NEAR WIND RIVER								
MAY 23	04 29 50.(1)	76.53 N(0.07)	106.58 W(0.22)	2.3	MN=3.6( )	5	11	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
MAY 29	09 03 55.(1)	71.74 N(0.04)	74.92 W(0.18)	3.1	MN=4.4(0.4)	10	28	7	F
NEIS	09 04 01.(1)	71.91 N(14KM)	75.58 W(11KM)	1.3		7	7		
	BAFFIN ISLAND, NEAR BUCHAN GULF								
MAY 29	14 04 05.(1)	71.79 N(0.05)	75.01 W(0.20)	2.3	MN=3.6(0.3)	4	11	3	F
	BAFFIN ISLAND, NEAR BUCHAN GULF								
MAY 29	16 06 33.(1)	71.71 N(0.04)	75.26 W(0.15)	2.7	MN=4.5(0.4)	10	27	7	F
NEIS	16 06 39.(0)	71.90 N(14KM)	75.96 W(19KM)	1.1	MB=4.1	9	9	3	
	BAFFIN ISLAND, NEAR BUCHAN GULF								
MAY 29									
EPB	16 07	71.7 N	75.3 W		MN=4				0
	BAFFIN ISLAND, NEAR BUCHAN GULF								
	OBSCURED BY PREVIOUS EVENT								
	ASSIGNED LOCATION OF PREVIOUS EVENT								
JUN 2	05 41 43.(0)	80.07 N(0.02)	114.47 W(0.14)	0.3	ML=3.2(0.3)	3	5	2	0
	ARCTIC OCEAN, NORTHWEST OF BORDEN ISLAND								
JUN 2	18 48 59.(2)	65.45 N(0.09)	132.85 W(0.30)	2.1	MN=3.2( )	4	7	1	F
	EAST-CENTRAL YUKON, SOUTH OF THE PEEL R.								
JUN 8	18 50 17.(2)	74.30 N(0.06)	93.22 W(0.67)	0.6	MN=2.8(0.9)	3	4	2	0
	BARROW STRAIT, 80 KM SOUTHEAST OF RESOLUTE								
	DEPTH = 5. KM(GEOPHYSICIST)								
JUN 10	04 25 56.(2)	71.68 N(0.11)	75.57 W(0.38)	2.4	MN=3.2(0.3)	3	6	3	F
	BAFFIN ISLAND, SOUTHWEST OF CAMBRIDGE FIORD								
JUN 22	03 07 52.(1)	76.56 N(0.04)	106.57 W(0.17)	1.4	MN=3.7( )	4	10	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JUN 22	03 54 32.(2)	65.29 N(0.09)	134.10 W(0.34)	1.3	ML=3.3( )	3	7	1	F
	EAST-CENTRAL YUKON, SOUTH OF THE PEEL R.								
JUN 25	05 26 32.(1)	68.25 N(0.06)	134.96 W(0.10)	1.9	MN=3.6(0.2)	13	18	3	F
NEIS	05 26 31.(0)	68.29 N(4KM)	135.24 W(3KM)	0.8	MB=4.3	20	20	5	
	MACKENZIE R. DELTA, NEAR AKLAVIK, N.W.T.								
	ABOUT 60 KM WEST OF INUVIK								
JUN 30	18 37 37.(1)	63.58 N(0.10)	123.04 W(0.13)	1.3	MN=3.1(0.1)	3	8	2	F
	UPPER MACKENZIE VALLEY, NEAR WRIGLEY, N.W.T.								
JUL 8	17 51 00.(1)	76.89 N(0.09)	106.25 W(0.35)	3.0	MN=3.6( )	5	9	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
	ONE AFTERSHOCK RECORDED AT MBC AND RES								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF STN	DATA PHA	MAG	
JUL 19	22 21 10.(1)	76.80 N(0.07)	106.45 W(0.29)	2.5	MN=3.6( )	4	11	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
JUL 22	06 27 18.(1)	76.75 N(0.07)	106.76 W(0.18)	1.0	MN=3.7( )	3	6	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
AUG 6	12 41 22.(2)	66.04 N(0.07)	135.23 W(0.40)	3.0	MN=3.0(0.3)	5	10	3	F
	SOUTHERN RICHARDSON MOUNTAINS, Y.T.								
AUG 17	05 31 26.(1)	71.38 N(0.06)	70.78 W(0.26)	3.5	MN=4.1(0.3)	6	16	5	F
	EASTERN COAST OF BAFFIN ISLAND, NEAR CAPE ADAIR								
AUG 19	07 06 59.(2)	74.71 N(0.13)	96.31 W(0.62)	2.7	MN=3.0(0.3)	3	5	2	0
	WESTERN COAST OF CORNWALLIS ISLAND, 42 KM WEST OF RES								
AUG 19	10 36 42.(1)	76.52 N(0.07)	106.45 W(0.26)	2.7	MN=3.8( )	5	12	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
AUG 23	09 03 38.(1)	73.32 N(0.05)	72.99 W(0.23)	1.8	MN=3.4( )	4	9	1	F
	BAFFIN BAY, 80 KM EAST OF BYLOT ISLAND								
AUG 27	01 49 36.(0)	60.07 N(0.00)	57.91 W(0.01)	0.0	ML=4.4(0.7)	2	4	2	0
	LABRADOR SEA, 500 KM EAST OF CAPE CHIDLEY								
SEP 2	19 47 15.(1)	60.83 N(0.08)	130.58 W(0.12)	2.7		7	11	0	F
	SOUTHERN YUKON, NORTHWEST OF WATSON LAKE								
	MAG. 3.6 MN (EPB)								
SEP 27	06 15 23.(1)	65.42 N(0.03)	134.43 W(0.19)	1.4	ML=3.4(0.4)	4	8	2	F
	EAST-CENTRAL YUKON TERRITORY, SOUTH OF THE PEEL RIVER								
OCT 11	16 04 17.(0)	66.12 N(0.01)	135.10 W(0.12)	0.3	MN=3.5(0.2)	4	6	2	F
	SOUTHERN RICHARDSON MOUNTAINS, Y.T.								
OCT 12	03 54 28.(1)	61.34 N(0.04)	59.99 W(0.18)	2.1	ML=4.9(0.4)	14	24	7	F
NEIS	03 54 28.(0)	61.15 N(4KM)	59.32 W(2KM)	0.7	MB=4.3	19	19	7	
	LABRADOR SEA, 250 KM EAST OF HUDSON STRAIT								
OCT 20	00 19 57.(1)	71.71 N(0.04)	75.38 W(0.15)	1.0	MN=3.4(0.4)	3	6	3	F
	NORTHERN BAFFIN ISLAND, WEST OF BUCHAN GULF								
OCT 24	00 22 48.(1)	81.35 N(0.09)	85.78 W(0.50)	1.3	ML=3.3( )	3	6	1	F
	ELLESMERE ISLAND, 385 KM SOUTHWEST OF ALE								
NOV 3	05 14 36.(1)	76.20 N(0.07)	117.73 W(0.13)	0.6	MN=2.9( )	3	5	1	0
	OFF PRINCE PATRICK ISLAND, 44 KM EAST OF MBC								
	DEPTH = 5. KM(GEOPHYSICIST)								
NOV 4	12 49 42.(1)	61.52 N(0.04)	140.61 W(0.08)	2.5		22	29	0	F
NEIS	12 49 38.(2)	61.57 N(3KM)	140.44 W(2KM)	1.0	MB=4.6	46	46	9	
	SOUTHWESTERN YUKON, WEST OF KLUANE LAKE								
	ONE FORESHOCK AT WHC								
	DEPTH = 7. KM(10) (NEIS)								
NOV 17	02 08 32.(2)	76.22 N(0.14)	107.03 W(0.37)	2.7	MN=3.1( )	3	8	1	F
	NOPTHEAST OF MELVILLE ISLAND, N.W.T.								
NOV 22	01 29 21.(1)	61.57 N(0.06)	139.10 W(0.11)	2.5		13	17	0	F
NEIS	01 29 20.(0)	61.35 N(3KM)	138.98 W(4KM)	1.0	MB=4.5	35	35	10	
	SOUTHWESTERN YUKON, NEAR KLUANE LAKE								
	FELT IN BURWASH LANDING, Y.T. (NEIS)								
NOV 26	14 48 32.(1)	76.47 N(0.04)	107.06 W(0.12)	0.6	MN=3.1( )	3	7	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
DEC 5	19 35 06.(1)	70.96 N(0.06)	73.41 W(0.22)	2.1	MN=3.5(0.3)	4	9	4	F
	NORTHERN BAFFIN ISLAND, SOUTH OF BUCHAN GULF								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF STN	DATA PHA	MAG	
DEC 7	08 02 49.(1)	69.02 N(0.05)	69.81 W(0.21)	1.9	MN=4.1(0.4)	5	9	5	F
	CENTRAL BAFFIN ISLAND, WEST OF HOME BAY. MULTIPLE EVENT								
DEC 7	08 03 31.(0)	69.05 N(0.00)	69.93 W(0.00)	0.0	MN=4.3(0.4)	3	3	3	0
	CENTRAL BAFFIN ISLAND, WEST OF HOME BAY. MULTIPLE EVENT								
DEC 11	08 38 55.(1)	65.20 N(0.04)	133.45 W(0.19)	2.0	MN=2.9(0.1)	5	12	3	F
	EAST-CENTRAL YUKON TERRITORY, SOUTH OF THE PEEL RIVER								
DEC 12	01 53 55.(1)	76.24 N(0.10)	107.38 W(0.22)	1.6	MN=3.1( )	3	7	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
DEC 14	18 21 32.(1)	71.70 N(0.04)	75.24 W(0.18)	3.1	MN=4.2(0.2)	10	26	9	F
	NORTHERN BAFFIN ISLAND, WEST OF BUCHAN GULF								
DEC 16	21 32 18.(1)	76.55 N(0.03)	106.93 W(0.08)	0.8	MN=3.5( )	4	10	1	F
	NORTHEAST OF MELVILLE ISLAND, N.W.T.								
DEC 31	17 38 40.(0)	69.73 N(0.02)	128.88 W(0.07)	0.5	MN=2.1( )	3	5	1	0
	HUSKY LAKES, ABOUT 240 KM NORTHEAST OF INK								

B. ALASKAN EPICENTRES NORTH OF 60 N

JAN 02									
NEIS	08 16 12.(0)	62.57 N(6KM)	143.68 W(4KM)	1.2	MB=3.7	14	14	1	F
	SOUTHEASTERN ALASKA								
JAN 9	11 57 11.(3)	60.18 N(0.12)	148.11 W(0.37)	2.1		4	6	0	F
	SOUTHEASTERN ALASKA								
FEB 06									
NEIS	14 14 11.(0)	66.24 N(3KM)	142.12 W(3KM)	0.5		12	12		F
	EAST-CENTRAL ALASKA								
	DEPTH = 37. KM								
	MAG. 3.1 ML (ERL)								
MAR 05									
NEIS	13 43 09.(1)	61.41 N(4KM)	144.18 W(9KM)	1.1	MB=3.6	15	15	2	F
	SOUTHERN ALASKA								
	DEPTH = 44. KM(16)								
APR 6	17 54 34.(1)	69.43 N(0.04)	144.48 W(0.10)	1.5	ML=3.7( )	12	17	1	F
NEIS	17 54 32.(0)	69.46 N(3KM)	144.45 W(5KM)	0.9		16	16		
	NORTHERN ALASKA								
MAY 09									
NEIS	17 00 06.(1)	61.28 N(5KM)	143.29 W(5KM)	0.9	ML=3.6	16	16		F
	SOUTHERN ALASKA								
JUN 12	12 10 08.(2)	68.53 N(0.07)	159.96 W(0.23)	0.4	ML=3.8( )	2	4	1	0
	NORTHWESTERN ALASKA								
JUN 20									
NEIS	16 59 39.(1)	60.50 N(7KM)	145.22 W(13KM)	1.6		12	12		F
	SOUTHERN ALASKA								
JUL 13									
NEIS	05 11 05.02	60.075N(6.3)	140.887W(6.1)	1.1	MB=3.9	12	12	1	0
	SOUTHEASTERN ALASKA								
	MAG. ML = 3.6								
SEP 09									
NEIS	02 54 47.(1)	60.25 N(6KM)	140.80 W(6KM)	1.1	MB=3.8	17	17	2	F
	SOUTHEASTERN ALASKA. DEPTH = 39. KM(11)								
SEP 12									
NEIS	07 00 23.(0)	60.15 N(4KM)	140.85 W(4KM)	0.8	MB=3.9	21	21	1	F
	SOUTHEASTERN ALASKA								
	DEPTH = 39. KM(10) MAG. ML = 3.9								
SEP 30									
NEIS	17 33 50.(0)	61.71 N(7KM)	141.21 W(5KM)	2.3	MB=4.1	25	25	2	F
	SOUTHERN ALASKA. MAG. ML = 4.0								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
DEC 22									
NEIS	08 19 24.(9)	64.25 N(4KM)	144.59 W(11KM)	0.9		7	7		0
	CENTRAL ALASKA								
	DEPTH = 16. KM(159)								
DEC 25									
NEIS	22 43 52.(4)	62.15 N(4KM)	144.87 W(5KM)	1.4	MB=3.7	19	19	1	F
	CENTRAL ALASKA. MAG. ML = 3.6								

C. NORTHERN GREENLAND AND ADJACENT AREAS

MAR 30									
NEIS	00 06 53.(0)	76.25 N(3KM)	5.99 E(6KM)	1.0	MB=5.1	38	38	20	F
	SVALBARD REGION								
	MAG. 5.4 MS (NEIS)								
MAR 30									
NEIS	23 34 12.(1)	80.16 N(15KM)	2.16 W(9KM)	1.5	MB=4.0	5	5	4	0
	NORTH OF SVALBARD								
APR 11	12 24 37.(3)	79.36 N(0.16)	20.99 W(1.35)	2.2	MN=3.4( )	5	8	1	F
	EASTERN COAST OF GREENLAND								
MAY 11									
NEIS	00 08 22.(0)	79.40 N(3KM)	3.08 E(3KM)	0.9	MB=5.0	56	56	22	F
	GREENLAND SEA								
JUL 19									
NEIS	19 28 44.(1)	73.78 N(12KM)	8.57 E(17KM)	1.7	MB=4.7	13	13	6	F
	GREENLAND SEA								
JUL 20									
NEIS	19 55 34.(0)	79.75 N(5KM)	4.68 E(5KM)	0.5	MB=4.3	8	8	4	0
	GREENLAND SEA								
AUG 19									
NEIS	23 19 20.(8)	75.06 N(4KM)	9.87 E(9KM)	0.8	MB=4.4	11	11	4	F
	GREENLAND SEA. NOT PLOTTED								
SEP 07									
NEIS	11 15 47.(1)	81.90 N(13KM)	1.39 W(12KM)	0.9	MB=4.6	12	12	7	F
	NORTH OF SVALBARD								
	MAG. 3.7 MS (NEIS)								
NOV 09									
NEIS	13 42 44.(0)	86.06 N(2KM)	32.68 E(4KM)	1.2	MB=5.3	75	75	30	F
	NORTH OF SVALBARD. NOT PLOTTED								
	MAG. 5.3 MS (NEIS)								
NOV 09									
NEIS	14 47 38.(0)	86.00 N(2KM)	33.22 E(4KM)	0.8	MB=5.0	44	44	22	F
	NORTH OF SVALBARD. NOT PLOTTED								
	MAG. 4.9 MS (NEIS)								
NOV 09									
NEIS	15 09 36.(0)	85.98 N(2KM)	31.26 E(3KM)	0.8	MB=5.2	55	55	30	F
	NORTH OF SVALBARD. NOT PLOTTED								
	MAG. 5.0 MS (NEIS)								
NOV 11	16 59 56.(2)	83.93 N(0.37)	17.25 E(2.53)	0.5	ML=4.0( )	2	4	1	0
	ARCTIC OCEAN. NOT PLOTTED								
DEC 9	18 27 25.(4)	78.04 N(0.44)	22.45 W(2.51)	4.5	MN=3.1(0.4)	3	6	2	F
	EASTERN COAST OF GREENLAND								

TABLE 3

EARTHQUAKES OF WESTERN CANADA AND ADJACENT AREAS
1973

(F=FILLED, O=OPEN SYMBOL ON EPICENTRE MAPS)

A. CANADIAN EPICENTRES

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
JAN 19	11 29 05.(2)	51.50 N(0.09)	130.75 W(0.13)	1.6	ML=3.4(0.2)	3	6	3	F
	QUEEN CHARLOTTE SOUND								
FEB 4	22 23 03.(2)	50.19 N(0.11)	114.87 W(0.10)	2.7	ML=2.9(0.4)	4	8	4	O
	B.C.-ALBERTA BORDER, ABOUT 80 KM SOUTHWEST OF CALGARY								
	POSSIBLE BLAST								
FEB 14	17 41 42.(0)	49.97 N(0.00)	129.58 W(0.00)	0.0	ML=3.3( )	2	3	1	O
	WEST OF VANCOUVER ISLAND								
MAR 4	02 47 32.(0)	52.06 N(0.03)	118.07 W(0.04)	1.8	ML=4.6(0.2)	8	21	4	F
UBC	02 47 31.	52.08 N	118.00 W		M*=4.7				
	UPPER COLUMBIA RIVER, B.C., NEAR MICA CREEK								
	35 KM EAST OF MCC								
	SEE TEXT FOR DISCUSSION OF EARTHQUAKES IN THIS AREA								
	MAG. 3.9 MN (EPB)								
	DEPTH = 16. KM (UBC)								
MAR 4	03 15 44.(1)	52.04 N(0.04)	118.08 W(0.04)	1.4	ML=3.4(0.0)	5	11	4	F
UBC	03 15 43.	52.08 N	118.00 W		M*=3.7				
	UPPER COLUMBIA RIVER, B.C., NEAR MICA CREEK								
	35 KM EAST OF MCC								
	MAG. 2.8 MN (EPB)								
	DEPTH = 15. KM (UBC)								
MAR 4	05 02 43.(0)	52.03 N(0.04)	118.04 W(0.05)	1.9	ML=4.3(0.3)	8	19	3	F
UBC	05 02 42.	52.09 N	118.00 W		M*=4.6				
	UPPER COLUMBIA RIVER, B.C., NEAR MICA CREEK								
	35 KM EAST OF MCC								
	NINE ADDITIONAL EVENTS THIS DAY. ONE FELT IN MICA CREEK								
	MAG. 3.5 MN (EPB)								
	DEPTH = 15. KM (UBC)								
MAR 15	02 17 00.(2)	51.69 N(0.09)	130.99 W(0.13)	1.4	ML=3.3(0.3)	3	5	3	O
	QUEEN CHARLOTTE SOUND								
MAR 22	21 21 51.(1)	52.06 N(0.04)	118.01 W(0.05)	1.6	ML=4.2(0.2)	5	12	3	F
UBC	21 21 50.	52.07 N	118.00 W		M*=4.1				
	UPPER COLUMBIA RIVER, B.C., NEAR MICA CREEK								
	40 KM EAST OF MCC								
	FOUR ADDITIONAL EVENTS THIS DAY								
	MAG. 3.9 MN (EPB)								
	DEPTH = 15. KM (UBC)								
MAR 25	15 53 19.(3)	48.89 N(0.13)	129.16 W(0.26)	2.1	ML=3.3(0.2)	6	9	2	F
NEIS	15 53 21.(1)	48.95 N(6KM)	128.93 W(7KM)	0.8	MB=4.2	11	11	7	
	WEST OF VANCOUVER ISLAND								
MAR 28	06 23 07.(2)	51.19 N(0.27)	129.69 W(0.28)	2.5	ML=3.9(0.3)	7	10	3	F
NEIS	06 23 09.(1)	50.54 N(5KM)	129.59 W(9KM)	0.8	MB=4.2	8	8	7	
	QUEEN CHARLOTTE SOUND								
MAR 30	16 56 30.(1)	52.03 N(0.04)	118.07 W(0.05)	1.7	ML=3.7(0.0)	5	11	4	F
UBC	16 56 28.	52.15 N	117.90 W		M*=3.5				
	UPPER COLUMBIA RIVER, B.C., NEAR MICA CREEK								
	35 KM EAST OF MCC								
	MAG. 3.2 MN (EPB)								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF STN	DATA PHA	MAG	
APR 6	18 58 10.(0)	53.99 N(0.04)	119.18 W(0.04)	0.8	ML=2.8(0.2)	3	7	3	0
	ROCKY MOUNTAINS OF WESTERN ALBERTA								
	POSSIBLE BLAST								
APR 13	07 03 15.(1)	48.94 N(0.09)	123.23 W(0.10)	2.2	ML=2.8(0.2)	3	6	3	F
	STRAIT OF GEORGIA, SOUTHWEST OF VANCOUVER								
	58 KM NORTHEAST OF VIC								
	FELT IN VICTORIA								
	ONE FORESHOCK, ONE AFTERSHOCK AT VIC								
	DEPTH = 35. KM(GEOPHYSICIST)								
APR 17	02 16 06.(2)	50.71 N(0.10)	130.65 W(0.21)	2.9	ML=3.8(0.4)	7	11	3	F
NEIS	02 16 12.(3)	50.83 N(6KM)	129.52 W(10KM)	1.2	MB=4.2	17	17	2	
	WEST OF VANCOUVER ISLAND								
	DEPTH = 19.KM(24) (NEIS)								
APR 24	01 25 46.(2)	51.67 N(0.10)	130.94 W(0.15)	1.6	ML=3.2(0.2)	3	5	2	0
	QUEEN CHARLOTTE SOUND								
MAY 03									
	05	50. N	130. W		ML=4				0
	LARGEST OF TWO EVENTS SEPARATED BY 21 SEC								
	EPICENTERS UNCERTAIN WITH DATA AVAILABLE								
	PROBABLY WEST OF VANCOUVER ISLAND, 206 KM FROM PHC								
	NOT PLOTTED								
MAY 12	19 31 21.(2)	49.61 N(0.13)	127.40 W(0.30)	2.0	ML=3.5(0.2)	5	6	5	F
	WEST OF VANCOUVER ISLAND								
MAY 30	12 06 09.(2)	51.55 N(0.12)	130.88 W(0.17)	1.9	ML=3.1(0.2)	3	5	3	0
	QUEEN CHARLOTTE SOUND								
JUN 3	07 23 29.(2)	50.55 N(0.10)	130.31 W(0.17)	2.2	ML=4.2(0.3)	12	14	4	F
NEIS	07 23 31.(2)	50.64 N(5KM)	129.80 W(6KM)	1.1	MB=4.5	20	20	7	
	WEST OF VANCOUVER ISLAND								
	DEPTH = 28.KM(16) (NEIS)								
JUN 22	21 27 16.(1)	49.86 N(0.08)	114.71 W(0.07)	1.5	ML=3.0(0.0)	3	6	3	0
	SOUTHERN B.C.-ALBERTA BORDER, POSSIBLE BLAST								
JUL 9	17 47 37.(3)	50.64 N(0.15)	130.72 W(0.27)	3.0	ML=3.6(0.3)	5	8	3	F
NEIS	17 47 44.(1)	50.90 N(9KM)	129.71 W(10KM)	1.3	MB=4.5	6	6	1	
	WEST OF VANCOUVER ISLAND								
JUL 12	07 40 00.(2)	50.75 N(0.22)	129.87 W(0.21)	1.1	ML=3.4(0.1)	4	5	4	F
	WEST OF VANCOUVER ISLAND								
JUL 13	02 59 27.(5)	49.00 N(0.23)	128.29 W(0.67)	1.7		7	7	0	F
NEIS	02 59 30.(1)	49.12 N(7KM)	127.84 W(14KM)	1.3	MB=4.8	11	11	3	
	WEST OF VANCOUVER ISLAND. COMPLEX MULTIPLE EVENT								
JUL 13	02 59 39.(1)	49.02 N(0.11)	128.02 W(0.15)	1.3	ML=4.5(0.2)	13	13	2	F
NEIS	02 59 39.(0)	49.03 N(3KM)	128.01 W(4KM)	0.9	MB=5.3	72	72	20	
	WEST OF VANCOUVER ISLAND								
	SECOND AND LARGEST OF TWO EVENTS								
	SIX AFTERSHOCKS AT PHC								
AUG 12	15 11 31.(2)	48.81 N(0.14)	122.89 W(0.18)	1.6	ML=2.8(0.2)	3	4	3	0
	STRAIT OF GEORGIA, 50 KM NORTHEAST OF VIC								
	DEPTH = 10. KM(GEOPHYSICIST)								
AUG 19	20 15 41.(2)	52.05 N(0.10)	130.89 W(0.14)	1.6	ML=2.7(0.3)	3	5	3	F
	QUEEN CHARLOTTE SOUND								
SEP 5	01 14 03.(2)	53.87 N(0.08)	133.07 W(0.21)	1.9	ML=4.0( )	3	6	1	F
	QUEEN CHARLOTTE ISLANDS								
SEP 5	07 48 40.(1)	52.72 N(0.05)	119.41 W(0.07)	1.9	ML=2.9(0.5)	5	12	4	F
	EAST-CENTRAL BRITISH COLUMBIA, NEAR VALEMONT								
	95 KM NORTHWEST OF MCC								
	MAG. 2.5 MN (EPB)								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
SEP 6	17 15 48.(1)	51.17 N(0.11)	130.40 W(0.20)	2.1	ML=4.3(0.5)	12	15	3	F
NEIS	17 15 51.(1)	51.10 N(457)	129.88 W(7KM)	1.0	MB=4.6	16	16	4	
	QUEEN CHARLOTTE SOUND								
	TWO AFTERSHOCKS AT PHC. TWO LOCATED								
SEP 6	20 39 26.(3)	50.33 N(0.16)	130.99 W(0.20)	1.3	ML=3.2(0.1)	3	4	2	0
	QUEEN CHARLOTTE SOUND. AFTERSHOCK								
SEP 7	19 22 37.(0)	51.25 N(0.00)	130.41 W(0.00)	0.0	ML=3.0(0.4)	2	3	3	0
	QUEEN CHARLOTTE SOUND. AFTERSHOCK. MULTIPLE EVENT								
SEP 15	00 02 43.(3)	50.16 N(0.22)	129.94 W(0.22)	1.7	ML=3.2( )	4	6	1	F
	QUEEN CHARLOTTE SOUND								
	SEVERAL FORESHOCKS AND AFTERSHOCKS AT PHC								
SEP 16	13 23 19.(1)	50.31 N(0.10)	129.94 W(0.15)	1.5	ML=3.3(0.3)	8	9	2	F
NEIS	13 23 20.(0)	50.32 N(5KM)	129.65 W 8KM)	1.0	MB=4.4	16	16	5	
	WEST OF VANCOUVER ISLAND								
OCT 11	12 13 57.(7)	51.22 N(0.33)	129.48 W(0.78)	1.9	ML=3.1(0.3)	3	4	3	0
	WEST OF VANCOUVER ISLAND. ONE AFTERSHOCK AT PHC								
OCT 24	06 24 48.(0)	52.08 N(0.02)	118.05 W(0.03)	0.5	ML=2.5(0.4)	3	6	3	F
UBC	06 24 43.	52.11 N	117.96 W		MB=3.0				
	UPPER COLUMBIA RIVER, NEAR MICA CREEK, B.C.								
	40 KM EAST OF MCC								
	DEPTH = 13. KM (UBC)								
OCT 30	12 28 25.(4)	51.30 N(0.21)	130.80 W(0.31)	3.5	ML=3.3(0.4)	3	6	3	F
	WEST OF VANCOUVER ISLAND								
NOV 5	12 36 17.(1)	54.43 N(0.05)	129.06 W(0.08)	2.7	ML=4.9( )	10	22	1	F
EPB	12 36 17.	54.40 N	128.83 W	0.8	ML=4.7	4	4	8	
	WEST-CENTRAL BRITISH COLUMBIA, NEAR TERRACE.								
	FELT TO DISTANCES OF 120 KM WITH A MAXIMUM INTENSITY								
	OF V. SOME MINOR DAMAGE REPORTED. ONE FORESHOCK AT FSJ								
	AND ONE AFTERSHOCK LOCATED. SEE FIGURE 10 FOR								
	DISTRIBUTION OF FELT REPORTS								
	MAG. 4.2 MB (EPB)								
	SEE ROGERS (1975) FOR DETAILED STUDY OF THIS EVENT								
	DEPTH = 10. KM(GEOPHYSICIST)								
NOV 6	15 57 12.(1)	54.46 N(0.06)	128.93 W(0.05)	1.5	ML=3.7(0.3)	5	11	2	F
	WEST-CENTRAL BRITISH COLUMBIA, NEAR TERRACE								
	AFTERSHOCK. FELT(III)								
	DEPTH = 10. KM(GEOPHYSICIST)								
DEC 5	09 57 39.(0)	48.43 N(0.02)	123.56 W(0.05)	0.3	ML=1.7( )	6	6	1	F
	NEAR B.C.-WASHINGTON BORDER IN JUAN DE FUCA STRAIT								
	15 KM SOUTHWEST OF VIC								
	FELT IN COLWOOD AND MARIGOLD, SOUTHERN VANCOUVER ISLAND								
DEC 8	12 25 54.(0)	49.27 N(0.01)	123.85 W(0.02)	0.2	ML=2.8(0.3)	3	6	2	F
	EASTERN VANCOUVER ISLAND, NEAR NANAIMO, B.C.								
	90 KM NORTH OF VIC								
	DEPTH = 35. KM(GEOPHYSICIST)								

B. UNITED STATES EPICENTRES
NORTHERN WASHINGTON, IDAHO AND MONTANA

JAN 25	15 30 32.(0)	48.43 N(0.02)	123.15 W(0.03)	0.5	ML=2.0( )	6	7	1	F
	WASHINGTON STATE, IN JUAN DE FUCA STRAIT.								
	20 KM SOUTHEAST OF VIC								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF STN	DATA PHA	MAG	
MAR 16	06 28 56.(2)	48.91 N(0.15)	114.80 W(0.11)	3.0	ML=3.5(0.5)	4	9	4	F
	NORTHWESTERN MONTANA								
JUN 14	12 54 36.(0)	47.68 N(0.00)	123.56 W(0.00)	0.0	ML=2.4(0.8)	2	3	2	0
	OLYMPIC MOUNTAINS OF WASHINGTON STATE								
	WEST OF SEATTLE AND 90 KM SOUTH OF VIC								
	DEPTH = 5. KM(GEOPHYSICIST)								
JUL 18	21 58 07.(2)	46.94 N(0.08)	121.91 W(0.06)	0.7	ML=3.8(0.6)	2	5	2	0
	CENTRAL WASHINGTON STATE, SOUTH OF SEATTLE								
	ONE AFTERSHOCK AT VIC AND PNT								
SEP 4	17 56 52.(1)	48.31 N(0.08)	121.40 W(0.04)	1.5	ML=3.3(0.1)	6	11	4	F
NEIS	17 56 51.(0)	48.21 N(2KM)	121.29 W(2KM)	0.5		9	9		
	NORTHWESTERN WASHINGTON STATE								
	DEPTH = 12. KM(4KM) (NEIS)								
NOV 14	01 32 55.(0)	48.58 N(0.05)	123.16 W(0.05)	0.5	ML=2.4(0.6)	4	7	2	F
	WASHINGTON STATE, NEAR SAN JUAN ISLAND IN GULF OF								
	GEORGIA. 20 KM NORTHEAST OF VIC								
	FELT IN VICTORIA								
	DEPTH = 10. KM(GEOPHYSICIST)								
DEC 20									
NEIS	01 08 27.(0)	46.94 N(2KM)	118.25 W(2KM)	0.7	MB=4.8	15	16	1	F
	WASHINGTON. FELT IN OTHELLO AREA OF WASHINGTON STATE								
	MAG. 4.1 (GS)								

C. UNITED STATES EPICENTRES
SOUTHEASTERN ALASKA

JAN 12	05 59 32.(1)	56.10 N(0.05)	135.51 W(0.08)	1.9	ML=4.3( )	10	15	1	F
NEIS	05 59 32.(1)	56.12 N(9KM)	135.76 W(7KM)	1.3	MB=3.9	11	11	3	
	OFF CAPE OMMANEY, SOUTHEASTERN ALASKA								
JAN 14	01 23 07.(4)	56.27 N(0.14)	135.52 W(0.46)	3.4	ML=4.3( )	4	6	1	F
	OFF CAPE OMMANEY, SOUTHEASTERN ALASKA								
FEB 07									
NEIS	15 26 44.(0)	59.40 N(4KM)	143.32 W(3KM)	1.0	MB=4.5	25	25	3	F
	GULF OF ALASKA								
	MAG. 3.9 ML (ERL)								
MAR 11									
NEIS	08 03 54.(1)	56.91 N(10KM)	136.43 W(4KM)	0.7		8	8	0	F
	OFF COAST OF SOUTHEASTERN ALASKA								
JUN 22									
NEIS	13 32 51.(0)	58.52 N(7KM)	138.57 W(7KM)	1.0	MB=2.5	10	10	1	F
	SOUTHEASTERN ALASKA								
JUN 26									
NEIS	00 41 49.(1)	59.41 N(4KM)	144.69 W(4KM)	1.0	MB=4.4	30	30	6	F
	DEPTH = 15. KM(10) (NEIS)								
	GULF OF ALASKA								
JUL 01									
NEIS	13 33 35.(.1)	57.84 N(.2KM)	137.33 W(.2KM)	0.9	MB=6.1	116	116	29	F
	OFF COAST OF SOUTHEASTERN ALASKA								
	MINOR DAMAGE AT SITKA. FELT YAKUTAT AND JUNEAU AREAS								
	MAG. 6.7 (PAS)								
	MANY AFTERSHOCKS RECORDED ON WESTERN CANADIAN STATIONS					*			
	SEE TEXT FOR DISCUSSION OF THIS EARTHQUAKE SEQUENCE								
JUL 01									
NEIS	15 06 37.(1)	57.62 N(6KM)	137.74 W(5KM)	1.0	MB=3.8	13	13	3	F
	OFF COAST OF SOUTHEASTERN ALASKA								
JUL 01									
NEIS	15 12 05.(0)	57.78 N(3KM)	137.28 W(4KM)	0.7	MB=5.2	42	42	19	F
	OFF COAST OF SOUTHEASTERN ALASKA								
	FELT IN SITKA-JUNEAU AREAS								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
JUL 01									
NEIS	16 03 10.(9)	57.68 N(37KM)	137.50 W(57KM)	1.4	MB=4.2	5	5	3	0
	OFF COAST OF SOUTHEASTERN ALASKA								
JUL 02									
NEIS	13 36 52.(1)	57.93 N(8KM)	136.92 W(16KM)	1.2	MB=3.8	11	11	3	F
	SOUTHEASTERN ALASKA								
JUL 02									
NEIS	22 54 45.(0)	57.93 N(5KM)	137.69 W(7KM)	1.0	MB=4.5	22	22	6	F
	OFF COAST OF SOUTHEASTERN ALASKA								
JUL 03									
NEIS	16 30 37.(0)	58.05 N(7KM)	137.73 W(8KM)	1.1	MB=4.6	17	17	6	F
	SOUTHEASTERN ALASKA								
JUL 03									
NEIS	16 59 35.(0)	57.98 N(2KM)	138.02 W(2KM)	0.8	MB=6.0	124	124	34	F
	SOUTHEASTERN ALASKA. FELT IN SITKA-JUNEAU AREA								
	MAG. MS = 6.0 (NEIS)								
	MAG. 6.4 (PAS) 5.9 (BRK)								
JUL 03									
NEIS	17 44 16.(0)	57.99 N(4KM)	137.88 W(4KM)	0.9	MB=5.1	34	34	16	F
	SOUTHEASTERN ALASKA								
JUL 03									
NEIS	22 33 42.(1)	57.97 W(11KM)	138.01 W(9KM)	1.4	MB=3.7	9	9	2	0
	SOUTHEASTERN ALASKA								
JUL 04									
NEIS	07 17 06.(1)	58.06 N(9KM)	137.31 W(19KM)	1.4	MB=4.5	13	13	5	F
	SOUTHEASTERN ALASKA								
JUL 04									
NEIS	13 26 20.(1)	58.01 N(7KM)	137.85 W(9KM)	1.1	MB=4.6	13	13	5	F
	SOUTHEASTERN ALASKA								
JUL 05									
NEIS	07 45 24.(1)	58.01 N(7KM)	137.29 W(16KM)	1.3	MB=4.5	14	14	5	F
	SOUTHEASTERN ALASKA								
JUL 05									
NEIS	07 49 04.(0)	57.90 N(3KM)	137.90 W(3KM)	1.0	MB=5.4	101	101	25	F
	OFF COAST OF SOUTHEASTERN ALASKA. FELT AT SITKA								
	MAG. MS = 4.9 (NEIS) 4.7 (BRK)								
JUL 05									
NEIS	08 51 30.(1)	58.03 N(11KM)	137.37 W(20KM)	1.6	MB=3.9	10	10	3	0
	SOUTHEASTERN ALASKA								
JUL 09									
NEIS	10 25 15.(0)	57.06 N(7KM)	140.01 W(4KM)	0.9	MB=4.1	18	18	3	F
	OFF COAST OF SOUTHEASTERN ALASKA								
	MAG. ML = 3.2 (NEIS)								
JUL 11									
NEIS	23 16 27.(1)	57.92 N(8KM)	138.06 W(8KM)	1.3	MB=4.6	12	12	3	F
	OFF COAST OF SOUTHEASTERN ALASKA								
	DEPTH = 10. KM(23) (NEIS)								
JUL 14									
NEIS	05 09 22.(0)	58.00 N(3KM)	138.00 W(4KM)	0.8	MB=5.0	25	25	5	F
	SOUTHEASTERN ALASKA								
JUL 16									
NEIS	21 20 16.(1)	57.69 N(9KM)	137.60 W(6KM)	1.3	MB=3.8	10	10	2	0
	OFF COAST OF SOUTHEASTERN ALASKA								
JUL 27									
NEIS	13 54 50.(0)	58.05 N(4KM)	137.66 W(6KM)	1.1	MB=4.0	17	17	1	F
	SOUTHEASTERN ALASKA. DEPTH = 5. KM(GEOPHYSICIST)								
JUL 28									
NEIS	19 58 47.(0)	58.00 N(5KM)	137.89 W(9KM)	1.2	MB=4.7	34	34	12	F
	SOUTHEASTERN ALASKA								
	DEPTH = 10. KM(GEOPHYSICIST)								
AUG 03									
NEIS	02 01 39.(2)	57.87 N(21KM)	137.46 W(28KM)	1.4	MB=3.5	9	9	2	F
	OFF COAST OF SOUTHEASTERN ALASKA								
AUG 4	08 57 14.(1)	57.82 N(0.02)	137.31 W(0.25)	0.6		2	6	0	0
	OFF COAST OF SOUTHEASTERN ALASKA								
AUG 09									
NEIS	06 28 24.(1)	57.63 N(7KM)	137.39 W(8KM)	1.2	MB=3.8	20	20	3	F
	OFF COAST OF SOUTHEASTERN ALASKA								

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	
AUG 12									
NEIS	13 53 58.(1)	57.92 N(24KM)	138.15 W(20KM)	1.3	MB=3.3	6	6	2	F
	OFF COAST OF SOUTHEASTERN ALASKA								
SEP 10									
NEIS	20 11 08.(0)	59.29 N(5KM)	142.79 W(4KM)	0.9	MB=3.6	18	18	2	F
	GULF OF ALASKA								
	MAG. 3.4 ML (PMR)								
OCT 26	05 40 56.(0)	58.96 N(0.03)	135.28 W(0.05)	1.5		14	20	0	F
NEIS	05 40 56.(0)	59.11 N(3KM)	135.37 W(4KM)	0.7	MB=4.8	24	24	13	
	SOUTHEASTERN ALASKA, 190 KM SOUTHEAST OF WHC								
	3 FORESHOCKS AND 7 AFTERSHOCKS RECORDED AT WHC								

TABLE 4

EARTHQUAKES OF CENTRAL CANADA AND ADJACENT AREAS
1973

(F=FILLED, O=OPEN SYMBOL ON EPICENTRE MAPS)

A. CANADIAN EPICENTRES

DATE	H-TIME (GMT) HR MN SEC	LATITUDE DEG	LONGITUDE DEG	RMS SEC	MAGNITUDE	NO. OF DATA STN	PHA	MAG	

NO CANADIAN EPICENTRES IN 1973

B. UNITED STATES EPICENTRES

JUN 18	19 33 22.(4)	45.30 N(0.16)	111.04 W(0.17)	1.9	MN=3.3(0.2)	3	6	3	F
	SOUTHERN MONTANA. NO NEIS EPICENTRE								
	MANY OTHER EVENTS LOCATED IN THIS AREA BY NEIS ARE								
	NOT INCLUDED IN THIS TABLE								
SEP 26									
NEIS	18 38 27.	47.12 N	106.13 W			8	8		F
	MONTANA								
	BELIEVED TO BE FIRST INSTRUMENTALLY DETERMINED								
	HYPOCENTER WITHIN THE LASA ARRAY								
	MBLG (NUTTLI) 2.8 (GS)								

TABLE 5

UNLOCATED EVENTS RECORDED AT ALE

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 17	05 13	604	MN=2.3	
JAN 18	03 36	878	ML=4.0	NO LG, PROBABLY ARCTIC OCEAN (DAG IPD 03 38 02.4)
JAN 26	13 29	350	ML=2.2	
JAN 29	15 22	999	MN=2.9	PROBABLY EASTERN GREENLAND
FEB 3	23 41	768	ML=3.2	NO LG, ARCTIC OCEAN
FEB 5	19 57	1164	ML=4.4	NO LG, OFF EASTERN GREENLAND. (DAG IPD 19 59 34.5)
FEB 7	17 11	300	ML=2.4	
FEB 10	01 40	566	MN=2.8	
FEB 11	09 19	1164	ML=3.8	NO LG, OFF EASTERN GREENLAND
FEB 15	04 07	735	ML=3.8	NO LG, ARCTIC OCEAN
FEB 18	02 28	268	ML=1.8	
FEB 18	03 02	445	ML=2.5	
FEB 24	11 14	141	ML=1.4	
MAR 2	08 05	73	ML=1.0	
APR 6	14 59	622	MN=2.3	
APR 11	01 37	192	ML=1.2	
APR 14	18 34	201	ML=1.8	
APR 17	01 02	648	MN=2.3	NOT AT RES
APR 22	02 03	768	MN=2.5	
APR 30	11 12	540	MN=2.5	POORLY RECORDED AT RES. PROBABLY ELLESMERE ISLAND
MAY 6	08 59	735	ML=3.2	NO LG, ARCTIC OCEAN
MAY 7	19 07	107	ML=1.1	
MAY 17	17 47	790	ML=3.6	NO LG, ARCTIC OCEAN
MAY 19	13 49	790	ML=3.3	NO LG, ARCTIC OCEAN
JUN 9	12 13	124	ML=0.9	
JUN 10	01 09	38	ML=0.6	
JUN 10	08 08	47	ML=0.8	
JUN 15	00 11	801	ML=3.6	NO LG, PROBABLY ARCTIC OCEAN
JUN 15	05 21	515	MN=2.5	EASTERN GREENLAND. (DAG EP 05 22 29.5)
JUN 18	13 48	812	MN=3.0	EASTERN GREENLAND. (DAG IPC 13 49 58.9)
JUL 7	07 11	812	ML=3.1	NO LG, ARCTIC OCEAN
JUL 17	23 11	150	ML=1.6	
JUL 19	11 19	793	MN=2.4	
JUL 21	04 46	514	MN=2.7	
JUL 28	16 09	951	MN=3.5	PROBABLY EASTERN GREENLAND
JUL 30	15 15	73	ML=1.6	
AUG 5	16 46	56	ML=1.9	
AUG 5	22 04	801	MN=2.7	EASTERN GREENLAND. (DAG IPC 22 04 29.2)
AUG 15	13 59	823	ML=3.2	NO LG, PROBABLY ARCTIC OCEAN
SEP 2	08 23	889	ML=3.4	NO LG, PROBABLY ARCTIC OCEAN (DAG IP 08 24 30.0)
SEP 3	18 13	175	ML=1.9	
SEP 23	02 25	933	ML=3.5	PROBABLY OFF EASTERN GREENLAND
SEP 29	07 45	845	ML=3.3	NO LG, PROBABLY ARCTIC OCEAN
OCT 1	23 52	749	MN=2.8	EASTERN GREENLAND. (DAG IPC 23 52 51.2)
OCT 2	00 34	277	ML=2.3	
OCT 4	23 15	613	MN=2.6	PROBABLY EASTERN GREENLAND
NOV 2	18 33	56	ML=1.0	
NOV 3	05 46	779	ML=3.1	NO LG, ARCTIC OCEAN
NOV 29	16 23	16	ML=-.3	DEPTH = 5. KM(GEOPHYSICIST)
NOV 30	20 08	184	ML=1.2	
NOV 30	20 55	184	ML=1.1	
DEC 24	04 44	56	ML=1.2	

TABLE 6

UNLOCATED EVENTS RECORDED AT BLC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 26	21 52	287	ML=1.6	
APR 25	15 07	167	ML=1.6	DISTANCE UNCERTAIN
AUG 10	21 22	316	ML=2.7	
NOV 9	20 51	300	ML=2.9	POORLY RECORDED AT RES. NORTH OF BLC
NOV 9	23 38	300	ML=2.5	
NOV 12	01 41	319	ML=2.6	

TABLE 7

UNLOCATED EVENTS RECORDED AT CHQ

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				CHQ RECORDS MANY BLASTS FROM NEARBY MINING OPERATIONS MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
JUN 11	05 10	99	ML=1.7	PROBABLE BLAST

TABLE 8

UNLOCATED EVENTS RECORDED AT EDM

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				EDM RECORDS MANY BLASTS FROM NEARBY MINING OPERATIONS MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
MAR 24	03 15	294	ML=2.3	POORLY RECORDED AT SES
JUN 6	10 15	209	ML=2.4	POORLY RECORDED AT SES. POSSIBLE BLAST
OCT 25	04 52	217	ML=1.9	POORLY RECORDED AT PNT

TABLE 9

UNLOCATED EVENTS RECORDED AT FRB

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 12	18 07	300	ML=2.3	
JAN 15	09 37	167	ML=1.4	
JAN 15	17 03	509	MN=2.4	
MAR 8	14 47	654	MN=2.4	NOT AT RES
APR 5	23 41	393	ML=2.9	NO LG, DAVIS STRAIT
APR 25	23 43	255	ML=2.1	
MAY 14	04 55	234	ML=2.7	POORLY RECORDED AT BLC AND SCH. NORTHERN QUEBEC
MAY 29	08 44	350	ML=2.4	
JUN 5	00 37	641	MN=2.6	POORLY RECORDED AT RES
JUL 26	17 16	158	ML=2.0	
AUG 23	14 03	280	ML=2.6	
OCT 18	23 13	274	ML=2.3	
DEC 17	14 22	858	MN=3.1	NORTHERN BAFFIN ISLAND. POORLY RECORDED AT RES
DEC 22	04 02	889	MN=3.1	NORTHERN BAFFIN ISLAND. POORLY RECORDED AT RES

TABLE 10

UNLOCATED EVENTS RECORDED AT FCC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS

NO UNLOCATED EVENTS DETECTED

TABLE 11

UNLOCATED EVENTS RECORDED AT FFC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS

NO UNLOCATED EVENTS DETECTED

TABLE 12

UNLOCATED EVENTS RECORDED AT FSJ

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
MAR 30	06 44	414	ML=3.2	ALSO AT QCC. SOUTHEASTERN ALASKA
JUL 5	01 07	99	ML=2.1	MAGNITUDE UNCERTAIN
OCT 13	09 12	503	ML=3.6	ALSO AT QCC. PROBABLY SOUTHEASTERN ALASKA
NOV 5	12 33	255	ML=2.5	FORESHOCK TO TERRACE EARTHQUAKE. SEE TABLE 3A
NOV 12	07 45	22	ML=1.3	DEPTH = 10. KM(GEOPHYSICIST) POSSIBLE BLAST

TABLE 13

UNLOCATED EVENTS RECORDED AT HAL

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
SEP 7	13 57	90	ML=1.5	PROBABLE BLAST

TABLE 14

UNLOCATED EVENTS RECORDED AT INK

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 9	00 21	217	ML=2.6	
JAN 10	13 31	133	ML=1.6	
JAN 13	11 23	215	ML=2.6	POORLY RECORDED AT YKC
JAN 20	09 57	209	ML=2.1	
JAN 21	06 58	223	ML=1.9	
JAN 23	01 23	255	ML=1.7	
JAN 24	00 47	287	ML=2.1	
FEB 3	05 51	287	ML=2.2	
FEB 3	05 57	175	ML=2.6	
FEB 3	19 42	184	ML=2.7	
FEB 4	09 37	242	ML=2.1	
FEB 9	04 16	184	ML=2.6	
FEB 9	23 50	226	ML=2.2	
FEB 20	09 01	184	ML=1.7	
FEB 25	01 44	319	ML=2.0	
FEB 25	20 13	287	ML=3.1	PROBABLY NORTHERN YUKON
FEB 27	12 35	175	ML=1.5	

MAR 3	01 00	218	ML=2.2	
MAR 8	06 23	209	ML=1.9	
MAR 15	05 47	209	ML=1.9	
MAR 19	21 09	82	ML=1.2	LARGEST OF SEVERAL THIS DAY
MAR 20	00 15	82	ML=1.2	FIRST OF 6 THIS DAY
MAR 21	08 07	192	ML=2.3	LARGEST OF 3 THIS DAY
MAR 22	05 46	192	ML=2.5	
MAR 22	15 08	99	ML=1.5	FIRST OF TWO THIS DAY
MAR 23	15 38	226	ML=2.5	
MAR 23	23 36	32	ML=0.3	DEPTH = 10. KM(GEOPHYSICIST)
MAR 24	02 29	218	ML=1.8	
MAR 24	17 31	23	ML=0.1	DEPTH = 10. KM(GEOPHYSICIST) LARGEST OF 7 THIS DAY
MAR 25	00 26	133	ML=1.3	
MAR 25	20 15	32	ML=0.5	DEPTH = 10. KM(GEOPHYSICIST) LARGEST OF 6 THIS DAY
MAR 25	21 23	209	ML=2.4	
MAR 28	18 41	32	ML=0.5	DEPTH = 10. KM(GEOPHYSICIST)
MAR 29	17 23	32	ML=0.7	DEPTH = 10. KM(GEOPHYSICIST)
MAR 30	01 37	124	ML=1.3	
MAR 30	19 18	23	ML=1.1	DEPTH = 10. KM(GEOPHYSICIST) POSSIBLE BLAST
MAR 31	22 27	124	ML=1.4	
APR 1	01 37	124	ML=1.3	
APR 3	19 08	223	ML=2.3	
APR 3	23 08	184	ML=2.0	
APR 4	10 39	236	ML=2.9	PROBABLY NORTHERN YUKON
APR 4	18 48	32	ML=2.3	DEPTH = 10. KM(GEOPHYSICIST) MAGNITUDE UNCERTAIN
APR 7	07 22	223	ML=2.3	
APR 9	21 36	32	ML=0.6	DEPTH = 10. KM(GEOPHYSICIST)
APR 10	00 23	23	ML=-.3	DEPTH = 10. KM(GEOPHYSICIST)
APR 17	17 36	90	ML=0.8	
APR 17	23 32	23	ML=-.3	DEPTH = 10. KM(GEOPHYSICIST)
APR 18	07 29	234	ML=1.5	
APR 20	13 15	209	ML=1.7	
APR 21	21 05	23	ML=0.1	DEPTH = 10. KM(GEOPHYSICIST)
APR 25	17 12	223	ML=2.8	
MAY 7	18 15	287	ML=2.3	
MAY 9	15 34	209	ML=2.4	
MAY 15	20 02	124	ML=1.4	
MAY 16	00 20	580	ML=3.7	CENTRAL YUKON OR ALASKA. POORLY RECORDED AT WHC AND YKC
MAY 18	23 23	223	ML=1.6	
MAY 24	18 44	209	ML=2.4	
MAY 28	11 54	287	ML=2.3	
JUN 3	12 38	167	ML=1.2	
JUN 6	09 43	209	ML=1.9	
JUN 9	04 39	209	ML=2.7	
JUN 11	19 29	209	ML=2.1	
JUN 15	18 02	82	ML=1.7	
JUN 20	21 47	175	ML=2.6	
JUN 22	07 47	414	ML=2.9	PROBABLY EAST-CENTRAL YUKON
JUN 25	01 27	415	ML=3.1	PROBABLY EAST-CENTRAL YUKON
JUN 29	09 58	393	ML=3.0	NO LG, BEAUFORT SEA. POORLY RECORDED AT MBC
JUN 30	07 44	283	ML=2.9	PROBABLY NORTHERN YUKON
JUL 3	06 20	250	ML=3.2	MAGNITUDE UNCERTAIN. WHC OBSCURED BY ANOTHER EARTHQUAKE
JUL 8	01 17	462	ML=3.2	EAST-CENTRAL YUKON. POORLY RECORDED AT WHC AND YKC
JUL 10	02 53	218	ML=2.6	MAGNITUDE UNCERTAIN
JUL 10	08 56	184	ML=3.0	NORTHERN YUKON MAGNITUDE UNCERTAIN. POORLY RECORDED AT MBC AND YKC
JUL 10	23 33	328	ML=3.0	EAST-CENTRAL YUKON. POORLY RECORDED AT YKC
JUL 13	02 40	327	ML=3.0	YUKON. NOT RECORDED ELSEWHERE
JUL 16	03 55	613	MN=2.3	
JUL 17	11 03	201	ML=2.8	
JUL 22	18 18	350	ML=2.5	
JUL 25	16 47	192	ML=2.6	
JUL 27	15 53	167	ML=1.8	
AUG 9	10 29	352	ML=2.9	PROBABLY EAST-CENTRAL YUKON
AUG 11	04 08	241	ML=2.9	PROBABLY NORTHERN YUKON

AUG	13	23 45	218	ML=2.2	
AUG	16	20 22	205	ML=3.1	PROBABLY NORTHERN YUKON
AUG	23	13 41	192	ML=2.4	
AUG	24	22 02	192	ML=2.4	
AUG	27	23 44	236	ML=2.2	
SEP	9	00 57	167	ML=2.1	LARGE AMPLITUDE IN P PHASE
SEP	9	01 23	462	ML=3.3	CENTRAL YUKON. ALSO AT WHC
SEP	10	11 05	241	ML=2.9	PROBABLY NORTHERN YUKON
SEP	11	16 27	201	ML=2.5	
SEP	12	09 22	211	ML=1.8	
SEP	12	12 23	204	ML=2.0	
SEP	20	14 24	99	ML=1.3	
SEP	23	08 01	242	ML=2.4	
SEP	28	08 22	133	ML=1.7	
SEP	29	09 56	192	ML=1.3	
SEP	29	16 32	192	ML=2.6	
SEP	30	00 39	319	ML=2.5	
OCT	2	01 20	184	ML=1.6	
OCT	2	01 26	192	ML=2.3	
OCT	7	06 02	201	ML=3.2	MAGNITUDE UNCERTAIN. PROBABLY NORTHERN YUKON
OCT	9	23 25	201	ML=1.7	
OCT	10	11 49	217	ML=1.5	
OCT	11	00 16	209	ML=2.0	
OCT	22	12 24	198	ML=2.3	
OCT	24	19 09	226	ML=2.1	
OCT	25	03 59	201	ML=2.3	
OCT	29	18 48	242	ML=2.2	
OCT	30	07 03	55	ML=1.1	
OCT	31	12 03	230	ML=2.1	
NOV	2	08 06	448	ML=2.8	NORTHERN ALASKA. POORLY RECORDED AT MBC
NOV	4	06 38	635	ML=3.6	FORESHOCK. SEE TABLE 2A FOR LOCATION OF MAIN EVENT ALSO AT WHC
NOV	6	07 59	124	ML=1.3	
NOV	8	15 17	223	ML=1.8	
NOV	27	06 09	236	ML=1.8	
NOV	27	14 57	124	ML=1.3	
DEC	6	04 15	192	ML=1.8	
DEC	7	13 10	338	ML=2.4	
DEC	9	17 05	230	ML=2.9	PROBABLY NORTHERN YUKON
DEC	10	15 13	249	ML=2.3	
DEC	14	18 14	834	ML=3.6	CENTRAL ALASKA. POORLY RECORDED AT WHC
DEC	15	18 41	249	ML=1.9	
DEC	17	08 35	255	ML=1.7	
DEC	19	00 50	234	ML=1.8	
DEC	19	22 16	184	ML=1.6	
DEC	20	16 18	566	ML=2.8	PROBABLY NORTHERN ALASKA
DEC	26	06 15	116	ML=1.2	
DEC	27	21 28	306	ML=2.2	
DEC	27	23 30	255	ML=2.6	

TABLE 15

UNLOCATED EVENTS RECORDED AT LHC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS

LHC RECORDS MANY BLASTS FROM NEARBY MINING OPERATIONS MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
NO UNLOCATED EVENTS DETECTED

TABLE 16

UNLOCATED EVENTS RECORDED AT MBC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 1	00 17	338	ML=2.0	
JAN 1	17 16	338	ML=2.3	
JAN 2	07 47	338	ML=2.8	LARGEST OF 5 EVENTS THIS DAY
JAN 3	20 49	338	ML=2.3	LARGEST OF 5 EVENTS THIS DAY
JAN 4	05 29	338	ML=2.0	LARGEST OF 7 EVENTS THIS DAY
JAN 5	02 43	338	ML=2.5	LARGEST OF 6 EVENTS THIS DAY
JAN 6	20 17	338	ML=2.5	
JAN 6	22 51	338	ML=2.3	
JAN 8	06 20	338	ML=2.3	
JAN 9	03 05	338	ML=1.3	
JAN 10	18 40	338	ML=2.3	
JAN 13	08 46	338	ML=2.5	
JAN 13	21 25	338	ML=2.0	
JAN 14	13 13	338	ML=2.0	
JAN 15	09 40	338	ML=2.3	
JAN 16	18 01	338	ML=1.3	
JAN 17	08 13	338	ML=2.0	
JAN 20	18 35	338	ML=2.0	
JAN 23	00 14	338	ML=2.5	LARGEST OF 4 EVENTS THIS DAY
JAN 25	00 17	338	ML=1.3	
JAN 26	10 32	338	ML=2.3	
JAN 28	09 38	338	ML=2.0	
JAN 31	11 22	338	ML=2.6	
FEB 2	22 31	338	ML=2.0	
FEB 4	10 13	338	ML=2.0	
FEB 9	04 26	338	ML=2.3	
FEB 14	10 35	338	ML=3.0	LARGEST OF 4 EVENTS THIS DAY. NORTHEAST OF MELVILLE I.
FEB 15	16 19	338	ML=2.0	
FEB 15	19 53	338	ML=2.8	
FEB 16	14 24	338	ML=2.5	
FEB 19	13 45	625	ML=2.9	NO LG, ARCTIC OCEAN
FEB 21	17 55	338	ML=2.3	
FEB 23	10 35	107	ML=1.9	
FEB 24	23 26	338	ML=2.0	
FEB 25	10 24	338	ML=2.0	
FEB 25	22 34	338	ML=2.3	
FEB 28	12 17	338	ML=2.5	LARGEST OF 3 EVENTS THIS DAY
MAR 1	10 16	338	ML=2.3	
MAR 1	13 17	338	ML=2.6	
MAR 2	13 27	90	ML=0.6	
MAR 3	15 45	327	ML=2.3	
MAR 4	19 42	338	ML=2.0	
MAR 5	03 21	338	ML=2.0	MAGNITUDE UNCERTAIN, LESS THAN 3
MAR 9	07 50	73	ML=1.5	FIRST OF 2 EVENTS THIS DAY
MAR 12	20 30	338	ML=2.0	
MAR 13	04 25	338	ML=2.0	
MAR 13	18 33	316	ML=1.9	
MAR 13	23 52	82	ML=1.2	
MAR 15	14 56	73	ML=1.1	
MAR 15	19 07	338	ML=2.5	
MAR 16	03 06	327	ML=2.4	
MAR 16	23 50	327	ML=2.4	
MAR 17	02 26	327	ML=2.7	
MAR 19	01 47	6	ML=0.8	DEPTH = 5. KM(GEOPHYSICIST)
MAR 21	17 33	338	ML=3.0	FIRST OF 2 EVENTS THIS DAY. NORTHEAST OF MELVILLE I.
MAR 22	05 16	23	ML=0.7	DEPTH = 10. KM(GEOPHYSICIST)
MAR 22	06 39	23	ML=0.4	DEPTH = 10. KM(GEOPHYSICIST)
MAR 25	13 06	338	ML=3.0	NORTHEAST OF MELVILLE ISLAND
MAR 29	11 21	316	ML=2.4	
MAR 31	04 08	338	ML=2.5	

APR	10	20	05	338	ML=2.5
APR	10	22	20	338	ML=2.0
APR	14	11	18	316	ML=1.9
APR	25	12	42	338	ML=2.0
APR	27	02	36	107	ML=1.0
APR	28	01	39	167	ML=2.3 LARGEST OF 12 THIS DAY
APR	30	13	05	167	ML=1.6
MAY	1	08	16	338	ML=2.0
MAY	2	08	31	167	ML=1.7
MAY	2	08	32	167	ML=1.7
MAY	3	09	42	327	ML=2.0
MAY	7	05	07	338	ML=2.0
MAY	8	13	51	338	ML=2.0
MAY	12	14	33	426	ML=2.3 RES NOT OPERATING
MAY	13	10	30	167	ML=0.6
MAY	13	20	23	338	ML=2.3
MAY	15	04	19	327	ML=2.0
MAY	18	06	51	338	ML=2.0
MAY	20	11	05	338	ML=2.5
MAY	21	22	10	338	ML=3.1 NORTHEAST OF MELVILLE ISLAND
MAY	23	20	40	338	ML=2.3
MAY	24	08	10	338	ML=1.3
MAY	29	12	31	38	ML=1.1
JUN	4	04	43	338	ML=2.0
JUN	14	06	55	316	ML=1.9
JUN	17	11	16	327	ML=2.0
JUN	18	01	29	64	ML=0.5
JUN	21	05	31	107	ML=1.0
JUN	22	14	25	338	ML=2.0
JUN	23	15	52	338	ML=2.5
JUN	23	16	25	349	ML=1.7
JUN	25	01	07	338	ML=2.0
JUN	26	09	20	175	ML=1.1
JUL	7	18	54	316	ML=2.5
JUL	8	18	21	349	ML=2.6 AFTERSHOCK. SEE TABLE 2A FOR LOCATION OF MAIN EVENT
JUL	9	09	03	56	ML=1.1
JUL	10	12	25	141	ML=2.0
JUL	11	22	31	316	ML=2.8
JUL	15	14	52	338	ML=2.5
JUL	16	08	30	316	ML=2.3 NORTHEAST OF MELVILLE ISLAND. ALSO AT RES
JUL	16	16	26	327	ML=2.6
AUG	6	00	28	116	ML=2.4
AUG	19	00	18	27	ML=0.7 DEPTH = 10. KM(GEOPHYSICIST)
AUG	19	01	51	23	ML=0.7 DEPTH = 10. KM(GEOPHYSICIST)
AUG	19	23	52	23	ML=0.7 DEPTH = 10. KM(GEOPHYSICIST)
AUG	19	23	59	27	ML=0.9 DEPTH = 10. KM(GEOPHYSICIST)
AUG	20	09	52	27	ML=0.7 DEPTH = 10. KM(GEOPHYSICIST)
AUG	20	10	17	27	ML=0.7 DEPTH = 10. KM(GEOPHYSICIST)
SEP	4	16	34	349	ML=2.6 ALSO AT RES
SEP	25	03	53	38	ML=0.8
OCT	1	15	56	158	ML=1.5
OCT	1	19	09	99	ML=2.0 LARGEST OF 45 EVENTS THIS DAY
OCT	1	20	38	133	ML=0.9
OCT	2	01	51	99	ML=1.4 LARGEST OF 15 EVENTS THIS DAY
OCT	18	04	35	376	ML=2.6 ALSO AT RES
OCT	22	00	23	99	ML=0.3 MANY SIMILAR EVENTS THIS DAY
OCT	22	19	55	327	ML=2.3 ALSO AT RES
OCT	23	01	45	99	ML=0.8 SEVERAL SIMILAR EVENTS THIS DAY
OCT	25	01	56	316	ML=1.9 ALSO AT RES
OCT	26	07	09	116	ML=0.8
OCT	28	12	28	47	ML=0.6
OCT	30	09	12	47	ML=0.6
OCT	30	15	34	107	ML=1.0
OCT	31	18	33	47	ML=1.7
NOV	1	23	33	47	ML=1.0 SEVERAL SIMILAR EVENTS THIS DAY
NOV	2	13	50	47	ML=0.5 MANY SIMILAR EVENTS THIS DAY
NOV	14	15	25	47	ML=0.8 SEVERAL SIMILAR EVENTS THIS DAY
NOV	18	04	03	32	ML=0.5 DEPTH = 10. KM(GEOPHYSICIST)
NOV	20	14	25	82	ML=0.9

NOV 21	05 29	133	ML=1.2	
NOV 27	16 32	249	ML=1.5	
NOV 28	04 08	150	ML=2.2	
NOV 29	10 18	150	ML=1.9	
NOV 29	12 29	38	ML=0.4	
DEC 4	12 42	47	ML=0.5	
DEC 8	09 33	124	ML=1.8	
DEC 8	21 33	124	ML=1.7	
DEC 9	20 15	124	ML=1.2	
DEC 16	09 26	316	ML=2.3	ALSO AT RES
DEC 18	09 11	141	ML=1.0	
DEC 19	00 43	184	ML=1.2	
DEC 19	01 38	73	ML=1.0	
DEC 19	08 24	47	ML=0.8	
DEC 23	01 46	133	ML=2.2	
DEC 23	01 50	133	ML=1.0	
DEC 24	16 49	175	ML=1.8	
DEC 26	20 53	141	ML=2.0	
DEC 28	01 08	133	ML=1.9	
DEC 28	02 41	133	ML=1.6	
DEC 30	03 05	133	ML=1.5	
DEC 30	05 55	133	ML=2.5	
DEC 31	12 52	124	ML=1.1	

TABLE 17

UNLOCATED EVENTS RECORDED AT MCC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				MCC RECORDS MANY BLASTS FROM NEARBY MINES MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
FEB 20	04 39	37	ML=1.5	
FEB 23	16 21	37	ML=1.9	FIRST OF FOUR EVENTS THIS DAY
FEB 24	14 56	37	ML=1.7	
FEB 25	00 36	37	ML=1.5	LARGEST OF THREE EVENTS THIS DAY
FEB 26	10 35	37	ML=0.9	
FEB 28	15 47	37	ML=2.0	FIRST OF FOUR EVENTS THIS DAY
MAR 1	16 47	37	ML=2.4	
MAR 2	23 40	37	ML=1.6	
MAR 4	03 13	37	ML=1.9	FIRST OF TEN EVENTS THIS DAY SEE TABLE 3A FOR LOCATIONS OF THREE LARGEST EVENTS
MAR 5	14 32	37	ML=0.9	LARGEST OF THREE THIS DAY
MAR 6	18 08	46	ML=2.2	
MAR 11	21 57	46	ML=2.0	
MAR 14	20 12	37	ML=1.3	
MAR 15	09 07	37	ML=0.9	
MAR 15	09 08	37	ML=0.9	
MAR 20	20 08	37	ML=1.8	
MAR 22	12 47	37	ML=2.0	ALSO AT PNT. FIRST OF FOUR EVENTS THIS DAY SEE TABLE 3A FOR LOCATION OF LARGEST EVENT THIS DAY
MAR 24	10 58	46	ML=1.8	
MAR 25	01 49	37	ML=0.9	
APR 4	00 28	6	ML=1.6	DEPTH = 5. KM(GEOPHYSICIST)
APR 21	08 46	37	ML=1.9	POORLY RECORDED AT EDM
APR 22	08 45	37	ML=1.6	
APR 25	10 56	37	ML=0.9	
MAY 20	02 52	64	ML=2.3	
JUN 7	09 51	6	ML=0.9	DEPTH = 5. KM(GEOPHYSICIST)
JUN 14	12 28	73	ML=1.6	MAX IN P PHASE
OCT 24	06 23	37	ML=2.0	
OCT 25	04 51	37	ML=1.9	MAGNITUDE UNCERTAIN
DEC 7	07 58	6	ML=0.7	DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST
DEC 10	12 13	6	ML=1.2	DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST

DEC 12	07 58	6	ML=0.6	DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST
DEC 20	12 06	6	ML=1.1	DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST
DEC 21	11 45	6	ML=1.2	DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST

TABLE 18

UNLOCATED EVENTS RECORDED AT MNT

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				MNT RECORDS MANY BLAST FROM NEARBY QUARRIES MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
JUL 15	08 28	192	ML=1.8	THESE EVENTS ORIGINATE IN THE BLUE MOUNTAIN LAKE AREA OF NEW YORK STATE. SEE TABLE 18 FOR LOCATION OF SEVERAL OF THE LARGER EVENTS IN THIS SEQUENCE
JUL 15	08 33	201	ML=2.0	
JUL 15	08 42	201	ML=2.2	POORLY RECORDED AT OTT AND CHQ
JUL 15	09 07	201	ML=2.0	
JUL 15	09 20	192	ML=2.4	POORLY RECORDED AT OTT AND CHQ
JUL 16	11 08	201	ML=2.5	POORLY RECORDED AT OTT AND CHQ
JUL 30	01 07	201	ML=2.0	POORLY RECORDED AT OTT

TABLE 19

UNLOCATED EVENTS RECORDED AT OTT

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 21	05 17	38	ML=1.6	POORLY RECORDED AT MNT AND CHQ. SUD NOT OPERATING
MAY 21	07 08	32	ML=1.0	DISTANCE UNCERTAIN DEPTH = 10. KM(GEOPHYSICIST)
SEP 24	01 39	42	ML=1.1	

TABLE 20

UNLOCATED EVENTS RECORDED AT PBQ

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
OCT 14	13 38	441	ML=3.4	PROBABLY NORTHERN QUEBEC. NOT RECORDED ELSEWHERE

TABLE 21

UNLOCATED EVENTS RECORDED AT PHC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 1	02 01	124	ML=2.7	
JAN 14	08 04	195	ML=2.1	
JAN 22	01 18	82	ML=2.0	
JAN 26	13 10	32	ML=0.0	DEPTH = 10. KM(GEOPHYSICIST)
FEB 3	11 43	173	ML=2.7	
FEB 7	00 49	217	ML=2.8	
FEB 14	14 38	173	ML=3.0	WEST OF VANCOUVER ISLAND. QCC NOT OPERATING
FEB 22	02 29	141	ML=2.3	
MAR 11	00 11	195	ML=2.5	
MAR 17	22 17	23	ML=0.6	DEPTH = 10. KM(GEOPHYSICIST)
MAR 19	09 05	195	ML=2.8	
MAR 21	15 52	173	ML=2.3	

MAR	26	15 02	283	ML=2.5	
APR	9	01 20	206	ML=2.7	
MAY	2	21 53	184	ML=2.7	
MAY	3	05 52	190	ML=3.0	WEST OF VANCOUVER ISLAND. POORLY RECORDED AT OCC MULTIPLE EVENT. MAGNITUDE, DISTANCE UNCERTAIN
MAY	31	20 15	173	ML=2.4	
JUN	6	09 49	82	ML=2.2	
JUN	9	17 49	173	ML=2.3	
JUN	8	19 46	38	ML=1.3	
JUN	19	15 29	173	ML=3.3	WEST OF VANCOUVER ISLAND. POORLY RECORDED AT OCC
JUN	19	18 07	173	ML=3.0	
JUN	19	21 30	38	ML=1.7	
JUN	26	02 52	141	ML=3.0	PROBABLY WEST OF VANCOUVER ISLAND ALSO AT VIC. POORLY RECORDED AT FSJ
JUL	2	07 26	124	ML=1.7	
JUL	8	05 53	173	ML=2.7	
JUL	9	06 17	173	ML=2.4	
JUL	13	04 40	184	ML=2.4	FIRST OF 6 AFTERSHOCKS. SEE TABLE 3A FOR MAIN EVENT
JUL	13	04 57	173	ML=2.6	POORLY RECORDED AT FSJ
JUL	13	12 07	184	ML=2.6	
JUL	13	15 34	184	ML=2.9	POORLY RECORDED AT FSJ
JUL	13	15 41	195	ML=3.0	WEST OF VANCOUVER ISLAND. POORLY RECORDED AT FSJ
JUL	13	15 47	195	ML=2.3	
JUL	13	19 39	107	ML=2.2	
JUL	17	14 48	184	ML=2.6	POORLY RECORDED AT FSJ
JUL	24	20 58	184	ML=2.6	POORLY RECORDED AT FSJ
JUL	25	16 50	206	ML=3.2	WEST OF VANCOUVER ISLAND
JUL	25	16 55	151	ML=2.4	
JUL	25	17 17	184	ML=2.7	
JUL	26	08 49	184	ML=2.9	
JUL	29	10 21	184	ML=2.8	
JUL	30	08 17	116	ML=2.8	MAGNITUDE UNCERTAIN
AUG	14	03 18	13	ML=0.2	DEPTH = 10. KM(GEOPHYSICIST)
AUG	19	08 05	166	ML=2.1	
AUG	26	18 13	195	ML=2.1	
AUG	31	21 46	228	ML=2.7	
AUG	31	21 49	107	ML=2.4	
SEP	7	19 18	1175	ML=4.5	OBSCURED BY ANOTHER EVENT WEST OF PHC. NOT RECORDED ELSEWHERE
SEP	8	10 08	206	ML=2.8	AFTERSHOCK. SEE TABLE 3A FOR LOCATION OF MAIN EVENT
SEP	9	12 24	195	ML=2.1	AFTERSHOCK
SEP	14	23 32	217	ML=2.1	FIRST OF SEVERAL FORESHOCKS. SEE TABLE 3A FOR MAIN EVENT POORLY RECORDED AT FSJ AND QCC
SEP	16	12 49	195	ML=2.7	FIRST OF SEVERAL AFTERSHOCKS
SEP	16	13 27	195	ML=2.6	
SEP	17	07 52	206	ML=2.6	
SEP	18	06 45	195	ML=2.0	
SEP	18	06 56	195	ML=2.6	
SEP	21	12 32	173	ML=2.6	POORLY RECORDED AT FSJ
SEP	25	16 27	141	ML=3.4	WEST OF VANCOUVER ISLAND. POORLY RECORDED AT FSJ AND QCC
SEP	25	16 33	116	ML=2.8	
OCT	11	12 35	206	ML=2.5	AFTERSHOCK. SEE TABLE 3A FOR LOCATION OF MAIN EVENT
OCT	12	22 39	73	ML=1.6	
OCT	13	22 19	184	ML=3.1	WEST OF VANCOUVER ISLAND
OCT	20	06 05	99	ML=2.3	
OCT	20	09 33	195	ML=2.6	
OCT	31	12 24	206	ML=2.6	
NOV	6	10 47	195	ML=2.3	
NOV	7	04 37	300	ML=2.9	EAST OF PHC. NOT RECORDED ELSEWHERE
NOV	8	10 32	56	ML=1.6	
NOV	26	07 01	228	ML=3.0	WEST OF VANCOUVER ISLAND
NOV	29	05 47	206	ML=2.3	
DEC	7	14 59	129	ML=2.9	
DEC	13	17 52	195	ML=2.3	
DEC	21	15 43	195	ML=2.1	
DEC	31	00 33	150	ML=1.8	

TABLE 22

UNLOCATED EVENTS RECORDED AT PNT

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				PNT RECORDS MANY BLASTS FROM NEARBY MINES MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
JAN 3	07 34	6	ML=0.7	DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST
JAN 10	04 10	124	ML=2.0	POSSIBLE BLAST
JAN 14	04 15	201	ML=2.4	POSSIBLE BLAST
FEB 4	02 58	201	ML=2.2	
FEB 6	07 16	293	ML=3.0	PROBABLY NORTHERN WASHINGTON. NOT RECORDED ELSEWHERE
FEB 18	12 18	82	ML=2.4	
FEB 22	04 47	312	ML=3.4	NORTHERN WASHINGTON. ALSO AT VIC
MAR 10	02 57	255	ML=2.5	
MAR 17	11 45	64	ML=2.3	
MAR 17	23 16	265	ML=3.4	NORTHERN WASHINGTON. ALSO AT VIC
MAR 19	13 31	167	ML=2.9	
MAR 22	12 48	319	ML=3.1	ALSO AT MCC. MAGNITUDE UNCERTAIN
APR 5	00 06	167	ML=2.9	NOT AT SES
APR 5	01 52	22	ML=2.1	DEPTH = 10. KM(GEOPHYSICIST) NOT AT SES
APR 11	06 14	158	ML=2.1	
APR 19	05 42	167	ML=2.1	
APR 29	08 12	167	ML=1.7	
MAY 19	14 22	82	ML=2.4	
MAY 28	03 31	433	ML=3.1	PROBABLY NORTHERN WASHINGTON. NOT RECORDED ELSEWHERE
MAY 31	21 04	124	ML=1.7	
JUN 5	08 35	22	ML=1.0	DEPTH = 10. KM(GEOPHYSICIST)
JUN 6	00 11	277	ML=2.4	ALSO AT VIC
JUN 6	02 01	281	ML=2.6	POORLY RECORDED AT SES
JUN 9	11 11	217	ML=3.8	NORTHERN WASHINGTON. ALSO AT VIC
JUN 13	22 49	395	ML=3.1	PROBABLY NORTHERN WASHINGTON. NOT RECORDED ELSEWHERE
JUN 13	23 02	243	ML=2.4	NOT AT SES OR VIC
JUN 14	12 54	230	ML=2.8	ALSO AT VIC
JUN 15	00 12	158	ML=2.0	
JUN 18	18 56	82	ML=2.6	NOT AT SES
JUN 20	03 21	201	ML=2.1	
JUN 20	21 40	389	ML=3.0	PROBABLY NORTHERN WASHINGTON. MCC NOT OPERATING
JUN 21	01 18	327	ML=2.8	
JUN 21	12 02	141	ML=2.0	
JUN 23	22 45	389	ML=3.0	PROBABLY NORTHERN WASHINGTON. POORLY RECORDED AT MCC
JUN 28	01 06	55	ML=1.6	
JUL 10	13 57	82	ML=1.2	MAGNITUDE UNCERTAIN
JUL 13	13 29	252	ML=2.6	
JUL 18	22 02	310	ML=2.6	ALSO AT VIC
JUL 23	10 06	209	ML=2.1	
AUG 5	21 04	456	ML=3.3	PROBABLY NORTHERN WASHINGTON. NOT RECORDED ELSEWHERE
AUG 20	02 59	192	ML=2.6	
AUG 29	14 54	73	ML=2.2	
SEP 2	06 12	167	ML=2.0	
SEP 4	09 02	285	ML=2.9	NOT RECORDED ELSEWHERE
SEP 8	11 38	268	ML=2.4	
SEP 15	00 15	167	ML=1.7	
SEP 23	05 28	285	ML=2.4	
SEP 24	07 26	370	ML=2.8	ALSO AT VIC
OCT 4	00 12	201	ML=2.2	
OCT 5	03 17	234	ML=2.2	ALSO AT VIC
OCT 5	13 58	201	ML=3.1	PROBABLY NORTHERN WASHINGTON. POORLY RECORDED AT MCC
OCT 7	12 33	141	ML=1.7	
OCT 7	13 53	233	ML=3.1	NORTHERN WASHINGTON. ALSO AT VIC LARGEST OF FIVE EVENTS THIS DAY

OCT	7	16 35	224	ML=2.6	ALSO AT VIC
OCT	8	05 34	230	ML=2.6	ALSO AT VIC
OCT	11	01 31	133	ML=2.4	
OCT	12	09 35	243	ML=2.9	ALSO AT VIC
OCT	12	12 02	251	ML=2.4	ALSO AT VIC
OCT	12	20 05	382	ML=2.7	NOT RECORDED ELSEWHERE
OCT	16	09 33	99	ML=1.6	
OCT	25	11 33	230	ML=2.3	ALSO AT VIC
NOV	3	16 21	236	ML=3.0	VIC NOT OPERATING. PROBABLY NORTHWESTERN WASHINGTON
NOV	9	01 42	274	ML=2.5	
NOV	9	12 23	107	ML=1.4	
NOV	19	09 09	285	ML=2.8	ALSO AT VIC
NOV	20	13 35	201	ML=2.2	ALSO AT VIC
NOV	21	00 30	230	ML=2.3	
NOV	27	12 11	124	ML=2.1	
NOV	30	13 28	64	ML=1.4	
NOV	30	19 35	64	ML=2.3	
DEC	11	04 46	262	ML=3.0	PROBABLY NORTHERN WASHINGTON. POORLY RECORDED AT VIC
DEC	14	14 25	236	ML=2.8	ALSO AT VIC
DEC	19	01 13	217	ML=2.4	
DEC	20	19 39	82	ML=2.7	POORLY RECORDED AT MCC
DEC	25	14 38	217	ML=2.3	ALSO AT VIC
DEC	25	14 43	230	ML=2.6	ALSO AT VIC
DEC	26	20 40	175	ML=2.3	
DEC	29	09 38	382	ML=3.3	PROBABLY NORTHWESTERN MONTANA. POORLY RECORDED AT SES
DEC	29	16 47	312	ML=3.0	NORTHERN WASHINGTON. ALSO AT VIC
DEC	30	19 33	64	ML=2.5	
DEC	31	20 44	281	ML=2.4	

TABLE 23

UNLOCATED EVENTS RECORDED AT POC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
MAR 27	11 35	23	ML=0.9	DEPTH = 10. KM(GEOPHYSICIST)
APR 4	04 48	47	MN=0.0	MAGNITUDE UNCERTAIN, LESS THAN 3
APR 22	00 12	16	ML=1.0	DEPTH = 5. KM(GEOPHYSICIST)
MAY 21	02 45	23	ML=0.9	DEPTH = 10. KM(GEOPHYSICIST)
JUL 4	23 40	6	ML=1.4	NOT AT SFA. MAGNITUDE UNCERTAIN DEPTH = 5. KM(GEOPHYSICIST)
JUL 9	04 11	16	ML=1.0	NOT AT SFA DEPTH = 5. KM(GEOPHYSICIST)
JUL 14	16 31	18	ML=1.2	NOT AT SFA DEPTH = 10. KM(GEOPHYSICIST)

TABLE 24

UNLOCATED EVENTS RECORDED AT QCC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 3	00 00	90	ML=1.7	
JAN 14	12 39	99	ML=2.1	POSSIBLE BLAST
JAN 17	11 13	99	ML=3.0	ON OR NEAR QUEEN CHARLOTTE ISLANDS POSSIBLE BLAST. POORLY RECORDED AT FSJ
				QCC DID NOT OPERATE FOR FEB 1-21
FEB 23	03 53	107	ML=1.8	FIRST OF SEVERAL EVENTS THIS DAY
FEB 26	02 17	173	ML=2.3	
MAR 3	14 56	206	ML=2.9	
MAR 10	10 15	47	ML=2.1	POSSIBLE BLAST
MAR 12	07 00	158	ML=1.8	
MAR 18	10 12	107	ML=2.0	POSSIBLE BLAST
MAR 30	06 43	47	ML=2.6	NOT AT PHC. MUST BE NORTH OF QCC MAGNITUDE UNCERTAIN. ALSO AT FSJ

MAR	30	12	26	107	ML=2.9
MAR	31	22	55	38	ML=1.6
APR	1	10	14	261	ML=2.5
APR	2	19	04	437	ML=3.7 SOUTHEASTERN ALASKA. ALSO AT WHC
APR	11	20	25	56	ML=2.7
APR	16	03	45	47	ML=2.4
APR	22	17	45	47	ML=2.2
APR	25	07	18	6	ML=0.5 DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST
APR	26	21	12	228	ML=3.4 PROBABLY SOUTHEASTERN ALASKA. NOT AT FSJ OR PHC
MAY	9	20	08	99	ML=2.6
MAY	12	04	37	64	ML=2.3
MAY	29	04	38	23	ML=1.2 DEPTH = 10. KM(GEOPHYSICIST) POSSIBLE BLAST
MAY	31	23	06	150	ML=2.0
JUN	10	02	56	150	ML=3.3 MAGNITUDE UNCERTAIN. POORLY RECORDED AT FSJ
JUN	11	13	00	56	ML=1.7
JUN	14	11	10	107	ML=3.0 ON OR NEAR QUEEN CHARLOTTE ISLANDS
JUN	17	12	44	47	ML=2.0 POSSIBLE BLAST
JUN	22	10	01	73	ML=1.6
JUN	24	00	34	228	ML=2.9
JUN	27	01	35	90	ML=2.8
JUL	7	01	06	73	ML=2.9 MAGNITUDE UNCERTAIN. POORLY RECORDED AT FSJ AND PHC
JUL	7	01	16	6	ML=1.4 MAGNITUDE UNCERTAIN DEPTH = 5. KM(GEOPHYSICIST)
JUL	11	02	45	217	ML=2.1
JUL	17	21	17	23	ML=1.4 DEPTH = 10. KM(GEOPHYSICIST)
JUL	20	21	12	107	ML=2.6
JUL	22	14	52	73	ML=2.3
AUG	12	23	13	23	ML=1.9 DEPTH = 10. KM(GEOPHYSICIST)
AUG	16	15	37	64	ML=2.0
AUG	18	19	26	6	ML=1.3 DEPTH = 5. KM(GEOPHYSICIST)
AUG	25	20	47	23	ML=1.3 DEPTH = 10. KM(GEOPHYSICIST)
AUG	27	09	54	56	ML=1.3 POSSIBLE BLAST
SEP	5	08	24	64	ML=2.1
SEP	8	20	42	141	ML=2.4
SEP	16	20	54	184	ML=2.0
SEP	18	21	15	6	ML=1.3 DEPTH = 5. KM(GEOPHYSICIST)
SEP	20	14	49	56	ML=1.6
SEP	21	06	26	82	ML=2.4
SEP	22	00	14	56	ML=1.8
SEP	22	09	16	179	ML=2.3
SEP	27	10	21	90	ML=1.9
SEP	28	00	14	56	ML=1.5
OCT	3	22	40	23	ML=1.7 DEPTH = 10. KM(GEOPHYSICIST)
OCT	4	20	56	23	ML=1.1 DEPTH = 10. KM(GEOPHYSICIST) MAGNITUDE UNCERTAIN
OCT	6	22	11	283	ML=2.1
OCT	13	09	12	99	ML=2.7 ALSO AT FSJ, NOT AT PHC. MUST BE NORTH OF OCC
OCT	18	17	22	23	ML=1.1 DEPTH = 10. KM(GEOPHYSICIST)
OCT	25	06	10	56	ML=2.6 MAGNITUDE UNCERTAIN. NOT RECORDED ELSEWHERE
OCT	26	08	11	82	ML=3.0 MAGNITUDE UNCERTAIN. POORLY RECORDED AT FSJ
OCT	29	12	04	99	ML=1.6
NOV	7	01	12	150	ML=2.3
NOV	10	19	56	16	ML=0.9 DEPTH = 5. KM(GEOPHYSICIST)
NOV	14	19	10	158	ML=2.1
NOV	16	00	00	23	ML=0.9 DEPTH = 10. KM(GEOPHYSICIST)
NOV	19	00	41	32	ML=1.2 DEPTH = 10. KM(GEOPHYSICIST)
NOV	20	21	37	16	ML=0.8 DEPTH = 5. KM(GEOPHYSICIST)
NOV	27	23	44	16	ML=0.8 DEPTH = 5. KM(GEOPHYSICIST)
DEC	9	04	47	99	ML=1.8
DEC	16	13	22	99	ML=2.1
DEC	22	13	53	47	ML=2.3
DEC	28	11	11	133	ML=2.8

TABLE 25

UNLOCATED EVENTS RECORDED AT QCQ

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS

NO UNLOCATED EVENTS DETECTED

TABLE 26

UNLOCATED EVENTS RECORDED AT RES

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 12	22 58	82	ML=1.3	
JAN 18	15 44	204	ML=2.6	
JAN 20	04 56	110	ML=2.5	MAGNITUDE UNCERTAIN. POORLY RECORDED AT MBC
JAN 29	09 57	350	ML=1.9	
FEB 8	10 43	300	ML=2.4	
FEB 18	16 12	133	ML=2.5	
MAR 12	20 16	251	ML=1.8	
MAR 19	18 43	56	ML=2.4	MAGNITUDE UNCERTAIN
MAR 30	12 28	64	ML=1.4	
APR 1	12 52	407	ML=2.6	POORLY RECORDED AT MBC
APR 7	09 21	82	ML=1.2	
APR 15	18 41	82	ML=1.1	
APR 19	21 09	23	ML=1.0	DEPTH = 10. KM(GEOPHYSICIST)
APR 21	00 15	319	ML=2.3	
APR 26	21 23	6	ML=-.2	DEPTH = 5. KM(GEOPHYSICIST)
APR 28	17 08	124	ML=1.4	
MAY 5	02 06	395	ML=3.7	MELVILLE ISLAND. MBC NOT OPERATING
MAY 7	18 08	395	ML=2.8	MELVILLE ISLAND. MBC NOT OPERATING
MAY 8	02 37	790	ML=3.7	NO LG, ARCTIC OCEAN
MAY 8	12 46	395	ML=2.6	MELVILLE ISLAND. MBC NOT OPERATING
MAY 13	20 08	426	ML=2.9	POORLY RECORDED AT MBC
MAY 14	11 51	243	ML=1.9	NOT AT MBC
MAY 16	15 03	515	MN=2.6	POORLY RECORDED AT MBC
MAY 18	15 21	47	ML=1.3	
MAY 19	09 57	47	ML=1.3	
MAY 28	16 51	403	ML=2.8	POORLY RECORDED AT MBC. POSSIBLY MELVILLE ISLAND
MAY 29	00 36	386	ML=2.9	MBC NOISEY. POSSIBLY MELVILLE ISLAND
MAY 29	13 18	509	MN=2.4	BAFFIN ISLAND
MAY 29	14 07	509	MN=2.7	BAFFIN ISLAND
MAY 29	16 13	509	MN=3.5	BAFFIN ISLAND. OBSCURED BY PREVIOUS EVENT
MAY 29	17 23	584	MN=2.5	PROBABLY BAFFIN ISLAND
MAY 30	16 10	393	ML=2.6	POORLY RECORDED AT MBC. POSSIBLY MELVILLE ISLAND
MAY 31	16 16	393	ML=2.7	POORLY RECORDED AT MBC. POSSIBLY MELVILLE ISLAND
MAY 31	16 24	393	ML=2.6	POORLY RECORDED AT MBC. POSSIBLY MELVILLE ISLAND
JUN 4	06 42	201	ML=2.4	NOT AT MBC
JUN 8	06 33	133	ML=1.9	
JUN 9	06 28	99	ML=1.2	
JUN 9	11 28	316	ML=2.6	NOT AT MBC
JUN 10	06 41	141	ML=0.9	POSSIBLE BLAST
JUN 12	11 19	99	ML=1.3	
JUN 17	08 16	175	ML=2.8	ALSO AT MBC
JUN 20	01 18	223	ML=1.8	
JUN 24	12 18	133	ML=2.1	
JUN 24	13 31	90	ML=2.3	NOT AT MBC
JUN 30	21 37	319	ML=2.5	ALSO AT MBC, NOT AT ALE OR BLC
JUL 7	18 54	348	ML=2.9	
JUL 7	21 56	338	ML=2.5	
JUL 8	18 21	403	ML=3.5	AFTERSHOCK. SEE TABLE 2A FOR LOCATION OF MAIN EVENT
JUL 16	16 26	404	ML=3.5	NORTHEAST OF MELVILLE ISLAND. ALSO AT MBC
JUL 31	02 37	184	ML=1.7	

RES CONT.

JUL	31	15 30	372	ML=3.1	NORTHEAST OF MELVILLE ISLAND. POORLY RECORDED AT MBC
AUG	5	20 44	47	ML=1.0	
AUG	8	00 31	56	ML=1.2	
AUG	8	18 01	230	ML=2.4	
AUG	12	01 08	218	ML=2.3	
AUG	17	09 37	375	ML=3.0	NORTHEAST OF MELVILLE ISLAND. POORLY RECORDED AT MBC
AUG	18	15 20	184	ML=1.9	
AUG	25	26 12	99	ML=1.9	
AUG	26	12 22	99	MN=0.0	MAGNITUDE UNCERTAIN, LESS THAN 3
SEP	4	16 34	378	ML=2.7	ALSO AT MBC
SEP	6	08 06	392	ML=3.1	PROBABLY NORTHEAST OF MELVILLE ISLAND
SEP	6	19 18	23	ML=0.9	MAGNITUDE UNCERTAIN DEPTH = 10. KM(GEOPHYSICIST)
SEP	28	05 52	47	ML=1.5	
SEP	30	03 04	376	ML=2.7	POORLY RECORDED AT MBC
OCT	4	15 04	37	ML=1.3	MAGNITUDE UNCERTAIN
OCT	11	16 38	312	ML=2.1	NOT AT MBC
OCT	11	22 49	293	ML=2.0	
OCT	12	09 52	56	ML=1.8	
OCT	14	18 02	56	ML=1.2	
OCT	15	20 12	47	ML=1.3	
OCT	16	14 13	260	ML=2.1	
OCT	18	04 35	451	ML=3.5	NORTHEAST OF MELVILLE ISLAND. ALSO AT MBC
OCT	22	19 55	415	ML=2.9	ALSO AT MBC
OCT	24	12 10	426	ML=2.7	
OCT	25	01 56	426	ML=2.8	ALSO AT MBC
OCT	28	04 05	99	ML=1.0	
OCT	31	02 23	167	ML=1.6	
NOV	5	08 54	312	ML=2.1	
NOV	9	17 08	274	ML=1.6	
NOV	14	06 31	38	ML=0.4	
NOV	14	07 44	167	ML=1.1	
NOV	15	06 02	116	ML=1.1	
NOV	16	04 15	300	ML=2.0	
NOV	19	09 15	64	ML=0.8	
NOV	23	12 10	116	ML=2.6	MAGNITUDE UNCERTAIN
NOV	26	15 59	337	ML=1.9	
NOV	26	21 19	175	ML=1.9	
NOV	27	21 50	209	ML=1.9	
NOV	30	05 41	217	ML=1.6	
NOV	30	21 04	274	ML=1.9	
DEC	3	03 28	107	ML=2.0	
DEC	12	12 02	691	MN=2.3	PROBABLY BAFFIN ISLAND. NOT AT FRB
DEC	14	05 01	325	ML=2.3	NOT AT MBC
DEC	14	15 00	99	ML=1.5	
DEC	16	09 26	388	ML=2.8	ALSO AT MBC
DEC	18	07 33	47	ML=1.6	
DEC	26	00 00	234	ML=2.0	
DEC	26	22 04	287	ML=2.0	
DEC	27	23 10	32	ML=1.0	DEPTH = 10. KM(GEOPHYSICIST)
DEC	28	23 57	223	ML=1.7	
DEC	31	06 28	38	ML=1.1	

TABLE 27

UNLOCATED EVENTS RECORDED AT SCB

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS

SCB OPERATED ONLY INTERMITTEDLY
NO UNLOCATED EVENTS DETECTED

TABLE 28

UNLOCATED EVENTS RECORDED AT SCH

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				SCH RECORDS MANY BLAST FROM NEARBY MINING OPERATIONS MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
AUG 7	11 43	457	ML=3.3	NOT AT PBQ OR UN3
OCT 26	23 16	522	MN=3.1	POSSIBLY LABRADOR. NOT RECORDED ELSEWHERE

TABLE 29

UNLOCATED EVENTS RECORDED AT SES

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				SES RECORDS MANY BLASTS FROM NEARBY MINING OPERATIONS MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
				MANY UNLOCATED EVENTS RECORDED AT SES WITH DISTANCES GREATER THAN 500 KM ARE BELEIVED TO ORIGINATE IN SOUTHERN MONTATA AND ARE NOT INCLUDED IN THIS TABLE
JAN 5	12 35	420	ML=3.3	PROBABLY NORTHERN MONTANA
FEB 4	01 22	378	ML=2.8	
MAY 10	00 39	351	ML=2.9	NOT AT PNT
JUN 6	08 56	287	ML=2.8	POORLY RECORDED AT EDM AND PNT
JUL 4	00 05	383	ML=3.2	PROBABLY NORTHERN MONTANA. POORLY RECORDED AT EDM
AUG 25	04 06	319	ML=2.6	POORLY RECORDED AT PNT
SEP 4	22 49	184	ML=3.0	PROBABLY NORTHERN MONTANA. NOT RECORDED AT EDM
SEP 8	22 34	485	ML=3.1	NORTHWESTERN MONTANA. POORLY RECORDED AT PNT AND EDM
NOV 3	20 43	357	ML=2.7	NOT RECORDED ELSEWHERE
NOV 3	22 07	452	ML=3.0	MONTANA. NOT RECORDED ELSEWHERE
NOV 6	20 53	446	ML=3.1	WESTERN MONTANA. POORLY RECORDED AT PNT
NOV 17	19 14	395	ML=2.9	POORLY RECORDED AT PNT
NOV 17	23 18	490	ML=3.1	MONTANA. NOT RECORDED ELSEWHERE

TABLE 30

UNLOCATED EVENTS RECORDED AT SFA

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				NO UNLOCATED EVENTS LISTED. SEE POC FOR EVENTS IN AREA

TABLE 31

UNLOCATED EVENTS RECORDED AT SIC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
				SIC DID NOT OPERATED ALL YEAR

TABLE 32

UNLOCATED EVENTS RECORDED AT STJ

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS

NO UNLOCATED EVENTS DETECTED

TABLE 33

UNLOCATED EVENTS RECORDED AT SUD

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS

SUD RECORDS MANY BLASTS FROM NEARBY MINING OPERATIONS MAKING THE IDENTIFICATION OF SMALL MAGNITUDE EARTHQUAKES DIFFICULT
NO UNLOCATED EVENTS DETECTED

TABLE 34

UNLOCATED EVENTS RECORDED AT UNB

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
FEB 9	06 54	82	ML=1.9	PROBABLE BLAST
FEB 12	10 13	23	ML=0.6	DEPTH = 10. KM(GEOPHYSICIST) PROBABLE BLAST
FEB 15	08 47	82	ML=1.7	PROBABLE BLAST
MAR 14	05 15	107	ML=2.3	
SEP 28	19 28	302	ML=2.9	POORLY RECORDED AT HAL CHO AND SCH. SIC NOT OPERATING PROBABLY GULF OF ST. LAWRENCE

TABLE 35

UNLOCATED EVENTS RECORDED AT VIC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 1	18 51	99	ML=2.5	
JAN 2	04 34	47	ML=2.0	
JAN 16	03 26	124	ML=2.9	ALSO AT PNT
JAN 25	12 02	23	ML=0.6	DEPTH = 10. KM(GEOPHYSICIST)
JAN 25	23 05	47	ML=1.5	
JAN 30	05 38	90	ML=3.0	PROBABLY NORTHWESTERN WASHINGTON. NOT RECORDED ELSEWHERE
FEB 2	12 36	56	ML=2.3	
FEB 12	18 00	124	ML=2.5	
FEB 19	02 47	23	ML=0.9	DEPTH = 10. KM(GEOPHYSICIST)
FEB 20	21 42	32	ML=1.3	DEPTH = 10. KM(GEOPHYSICIST)
FEB 22	04 46	141	ML=3.3	NORTHERN WASHINGTON. ALSO AT PNT
FEB 25	02 02	73	ML=1.8	
MAR 2	02 00	37	ML=2.5	
MAR 3	17 37	116	ML=2.7	
MAR 6	19 06	73	ML=1.9	
MAR 6	19 12	73	ML=2.0	
MAR 17	12 03	16	ML=1.0	DEPTH = 5. KM(GEOPHYSICIST)
MAR 17	23 16	223	ML=3.1	NORTHERN WASHINGTON. ALSO AT PNT
MAR 22	04 46	16	ML=1.0	DEPTH = 5. KM(GEOPHYSICIST)
MAR 24	02 37	64	ML=2.2	
MAR 26	00 49	37	ML=2.0	
MAR 30	16 58	47	ML=1.7	

APR	3	23	48	56	ML=2.1
APR	3	23	56	56	ML=1.8
APR	12	18	37	90	ML=2.7 FORESHOCK. SEE TABLE 3A FOR LOCATION OF MAIN EVENT
APR	13	01	07	90	ML=2.2 AFTERSHOCK
APR	16	14	22	32	ML=1.9 DEPTH = 10. KM(GEOPHYSICIST)
APR	18	00	47	37	ML=2.0
APR	19	19	33	56	ML=1.7
APR	27	11	00	107	ML=2.0
APR	28	03	02	64	ML=2.5
MAY	4	17	58	37	ML=1.6
MAY	8	20	01	56	ML=1.7
MAY	10	06	18	56	ML=1.9
MAY	14	21	58	37	ML=1.5
MAY	18	19	50	90	ML=2.5
MAY	21	21	58	158	ML=2.6
JUN	6	00	11	23	ML=2.1 DEPTH = 10. KM(GEOPHYSICIST) ALSO AT PNT
JUN	9	11	11	150	ML=3.2 NORTHERN WASHINGTON. ALSO AT PNT
JUN	14	12	53	90	ML=3.0 NORTHERN WASHINGTON. ALSO AT PNT
JUN	19	15	15	201	ML=2.5
JUN	23	23	01	90	ML=2.1
JUN	24	06	12	23	ML=0.9 DEPTH = 10. KM(GEOPHYSICIST)
JUN	26	02	52	325	ML=3.3 WEST OF VANCOUVER ISLAND. ALSO AT PHC
JUL	16	20	23	47	ML=1.6 FELT CADBORO BAY
JUL	18	22	02	209	ML=2.4 ALSO AT PNT AFTERSHOCK. SEE TABLE 3B FOR LOCATION OF MAIN EVENT
JUL	22	01	20	47	ML=1.7 POSSIBLE BLAST
JUL	22	12	56	124	ML=2.7
JUL	25	03	53	47	ML=1.9
JUL	27	20	15	116	ML=2.5
AUG	1	19	18	16	ML=0.9 DEPTH = 5. KM(GEOPHYSICIST)
AUG	2	22	57	16	ML=1.5 DEPTH = 5. KM(GEOPHYSICIST) FELT
AUG	5	03	55	47	ML=2.0
AUG	6	02	47	32	ML=1.7 DEPTH = 10. KM(GEOPHYSICIST)
AUG	7	13	38	73	ML=2.3
AUG	12	11	07	124	ML=2.3
AUG	16	18	00	23	ML=1.2 DEPTH = 10. KM(GEOPHYSICIST) POSSIBLE BLAST
AUG	29	06	17	82	ML=2.0
SEP	8	11	53	90	ML=2.1
SEP	8	13	00	90	ML=1.9
SEP	11	15	32	90	ML=2.2
SEP	11	15	38	23	ML=1.7 DEPTH = 10. KM(GEOPHYSICIST)
SEP	16	01	00	32	ML=1.2 DEPTH = 10. KM(GEOPHYSICIST)
SEP	23	20	02	16	ML=0.7 DEPTH = 5. KM(GEOPHYSICIST)
SEP	24	07	26	47	ML=2.7 ALSO AT PNT
SEP	30	06	47	56	ML=2.5
OCT	2	17	56	116	ML=2.7
OCT	5	03	16	90	ML=2.8 ALSO AT PNT
OCT	5	20	11	16	ML=1.0 DEPTH = 5. KM(GEOPHYSICIST)
OCT	7	13	53	125	ML=2.7 LARGEST OF FIVE EVENTS THIS DAY. ALSO AT PNT
OCT	7	16	35	99	ML=2.4 ALSO AT PNT
OCT	7	23	34	37	ML=1.6
OCT	8	05	34	167	ML=3.1 NORTHERN WASHINGTON. ALSO AT PNT
OCT	12	09	34	99	ML=2.5 ALSO AT PNT
OCT	12	12	01	124	ML=2.4 ALSO AT PNT
OCT	12	20	05	99	ML=2.7 ALSO AT PNT
OCT	15	19	45	158	ML=2.7
OCT	25	11	32	167	ML=2.7 ALSO AT PNT
NOV	3	18	41	37	ML=1.6
NOV	8	16	21	90	ML=2.7
NOV	10	01	34	64	ML=1.9
NOV	12	03	22	23	ML=0.6 DEPTH = 10. KM(GEOPHYSICIST)
NOV	17	21	02	16	ML=1.9 DEPTH = 5. KM(GEOPHYSICIST)
NOV	19	09	08	124	ML=2.6 ALSO AT PNT
NOV	20	13	34	99	ML=2.6 ALSO AT PNT
NOV	23	05	36	90	ML=2.4
DEC	4	09	58	16	ML=1.1 DEPTH = 5. KM(GEOPHYSICIST)

DEC	9	12 44	133	ML=2.7	
DEC	14	14 24	124	ML=2.9	ALSO AT PNT
DEC	16	09 03	23	ML=1.3	DEPTH = 10. KM(GEOPHYSICIST)
DEC	16	17 38	6	ML=1.3	DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST
DEC	20	01 07	133	ML=3.3	PROBABLY NORTHWESTERN WASHINGTON. NOT RECORDED ELSEWHERE
DEC	25	14 38	141	ML=2.3	ALSO AT PNT
DEC	25	14 43	150	ML=2.7	ALSO AT PNT
DEC	29	16 47	73	ML=3.0	NORTHERN WASHINGTON. ALSO AT PNT
DEC	31	04 17	37	ML=2.3	

TABLE 36

UNLOCATED EVENTS RECORDED AT WHC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
JAN 4	07 38	16	ML=0.2	DEPTH = 5. KM(GEOPHYSICIST) POSSIBLE BLAST
JAN 5	20 33	414	ML=2.4	
JAN 5	20 37	414	ML=2.4	
JAN 6	06 02	334	ML=2.4	
JAN 8	18 23	242	ML=3.0	
JAN 9	06 55	201	ML=2.4	
JAN 12	04 09	357	ML=2.7	
JAN 14	01 22	502	ML=3.7	PROBABLY SOUTHEASTERN ALASKA
JAN 20	06 27	218	ML=2.0	
JAN 26	12 23	249	ML=2.3	
JAN 26	12 29	255	ML=1.8	
FEB 1	08 05	357	ML=3.2	PROBABLY SOUTHEASTERN ALASKA
FEB 2	03 29	158	ML=2.3	POSSIBLE BLAST
FEB 3	03 24	150	ML=1.9	
FEB 6	03 34	300	ML=2.6	
FEB 6	08 38	414	ML=3.4	PROBABLY SOUTHEASTERN ALASKA
FEB 8	05 32	363	ML=2.3	
FEB 11	14 55	268	ML=3.0	PROBABLY SOUTHEASTERN ALASKA
FEB 14	11 08	382	ML=3.6	PROBABLY SOUTHEASTERN ALASKA
FEB 15	09 17	300	ML=2.6	
FEB 16	07 19	223	ML=2.7	
FEB 17	13 29	158	ML=1.3	POSSIBLE BLAST
FEB 27	06 50	635	MN=2.7	
FEB 28	03 16	439	ML=3.2	PROBABLY SOUTHEASTERN ALASKA
MAR 1	16 58	287	ML=2.4	
MAR 7	03 40	300	ML=2.7	
MAR 8	19 35	471	ML=2.9	
MAR 10	02 07	369	ML=2.3	
MAR 19	21 09	192	ML=3.1	PROBABLY SOUTHEASTERN ALASKA
MAR 20	14 03	223	ML=2.2	
MAR 23	21 03	452	ML=3.6	PROBABLY SOUTHEASTERN ALASKA
APR 1	08 04	192	ML=2.1	POSSIBLE BLAST
APR 2	08 42	167	ML=2.9	
APR 2	19 03	604	ML=3.6	ALSO AT QCC. SOUTHEASTERN ALASKA
APR 7	20 31	338	ML=2.6	
APR 9	22 53	124	ML=2.9	POORLY RECORDED AT INK, NOT AT YKC. CENTRAL YUKON
APR 14	06 18	124	ML=1.6	POSSIBLE BLAST
APR 18	02 21	244	ML=2.9	
APR 18	21 48	90	ML=2.1	
APR 20	10 08	107	ML=1.2	
MAY 1	03 45	192	ML=1.7	
MAY 3	04 37	32	ML=0.5	DEPTH = 10. KM(GEOPHYSICIST) POSSIBLE BLAST
MAY 3	05 09	281	ML=2.5	
MAY 3	06 01	32	ML=0.7	DEPTH = 10. KM(GEOPHYSICIST) POSSIBLE BLAST
MAY 3	07 03	32	ML=0.9	DEPTH = 10. KM(GEOPHYSICIST) POSSIBLE BLAST
MAY 8	06 54	566	ML=2.8	
MAY 11	91 11	167	ML=1.8	

MAY	12	17	24	223	ML=2.6
MAY	17	08	48	124	ML=2.3 POSSIBLE BLAST
MAY	19	11	11	175	ML=1.6 POSSIBLE BLAST
MAY	24	06	20	363	ML=2.7
JUN	2	18	48	490	ML=3.7 PROBABLY SOUTHEASTERN ALASKA
JUN	17	14	48	192	ML=1.9 POSSIBLE BLAST
JUN	20	06	56	388	ML=3.7 PROBABLY SOUTHEASTERN ALASKA
					MANY EVENTS IN THE DISTANCE RANGE 300-400 KM WHICH ARE ASSOCIATED WITH THE MB 6.1 SITKA EARTHQUKE OF JULY 01 ARE NOT INCLUDED IN THE TABLE FOR THE MONTHS OF JULY AND AUGUST
JUL	1	21	19	468	ML=4.0 PROBABLY SOUTHEASTERN ALASKA
JUL	2	19	04	167	ML=2.7
JUL	14	08	32	107	ML=1.0
JUL	21	05	11	234	ML=1.6
JUL	27	17	55	124	ML=3.0 PROBABLY WESTERN YUKON
					ON 28 JULY AT 04H AN EARTHQUAKE WAS REPORTED FELT AT ROSS RIVER, Y.T. ABOUT 110 KM NORTHEAST OF WHC. WHC WAS NOT OPERATING AT THIS TIME
JUL	30	16	15	133	ML=2.6
AUG	1	08	12	201	ML=2.4
AUG	4	00	51	294	ML=2.9
AUG	6	10	32	223	ML=2.7
AUG	9	19	36	242	ML=2.5
AUG	15	02	33	192	ML=3.2 PROBABLY SOUTHEASTERN ALASKA
AUG	17	11	03	274	ML=3.3 PROBABLY SOUTHEASTERN ALASKA
AUG	17	14	59	261	ML=2.8
AUG	18	00	39	242	ML=2.4
AUG	18	11	19	287	ML=3.2 PROBABLY SOUTHEASTERN ALASKA
AUG	18	16	22	268	ML=3.1 PROBABLY SOUTHEASTERN ALASKA
AUG	19	01	47	214	ML=3.0 PROBABLY SOUTHEASTERN ALASKA
AUG	19	05	50	268	ML=2.5
AUG	20	00	12	281	ML=3.1 PROBABLY SOUTHEASTERN ALASKA
AUG	20	11	55	242	ML=2.3 PROBABLY SOUTHEASTERN ALASKA
AUG	20	13	56	275	ML=3.4
AUG	21	06	10	274	ML=2.6
AUG	31	00	05	172	ML=1.9
SEP	2	04	14	344	ML=4.1 PROBABLY SOUTHEASTERN ALASKA
SEP	2	21	27	234	ML=3.0 PROBABLY SOUTHEASTERN ALASKA
SEP	6	07	39	338	ML=3.4 PROBABLY SOUTHEASTERN ALASKA
SEP	9	01	23	382	ML=3.3 ALSO AT INK. PROBABLY SOUTHERN ALASKA
SEP	11	00	00	209	ML=2.3
SEP	15	02	06	338	ML=3.0 PROBABLY SOUTHEASTERN ALASKA
SEP	16	01	24	344	ML=4.0 ALSO AT FSJ. SOUTHEASTERN ALASKA
SEP	16	15	37	150	ML=2.2
SEP	19	00	04	209	ML=2.4
SEP	19	01	44	206	ML=3.4 PROBABLY SOUTHEASTERN ALASKA
SEP	20	00	01	219	ML=3.8 PROBABLY SOUTHEASTERN ALASKA
SEP	20	01	16	293	ML=2.8
SEP	20	23	35	287	ML=2.6
SEP	20	23	58	209	ML=2.5
SEP	21	23	57	294	ML=2.4
SEP	22	08	03	337	ML=3.9 PROBABLY SOUTHEASTERN ALASKA
SEP	25	16	40	337	ML=4.2 PROBABLY SOUTHEASTERN ALASKA
SEP	26	11	22	333	ML=3.6 PROBABLY SOUTHEASTERN ALASKA
SEP	26	16	33	347	ML=4.0 PROBABLY SOUTHEASTERN ALASKA
OCT	1	00	02	319	ML=2.5 POORLY RECORDED AT INK. SOUTHERN ALASKA
OCT	1	01	50	331	ML=3.3 PROBABLY SOUTHEASTERN ALASKA
OCT	1	04	11	236	ML=2.7
OCT	2	09	22	287	ML=2.5
OCT	7	07	16	330	ML=3.5 PROBABLY SOUTHEASTERN ALASKA
OCT	10	00	22	338	ML=2.8
OCT	10	14	19	236	ML=2.6
OCT	15	17	34	287	ML=2.8
OCT	16	04	20	287	ML=3.2 PROBABLY SOUTHEASTERN ALASKA

OCT	17	22 11	150	ML=2.5	
OCT	21	03 54	344	ML=3.4	PROBABLY SOUTHEASTERN ALASKA
OCT	26	01 24	192	ML=3.3	FORESHOCK. SEE TABLE 3C FOR LOCATION OF MAIN EVENT MAGNITUDE UNCERTAIN. POORLY RECORDED AT FSJ AND INK
OCT	26	02 12	192	ML=3.2	FORESHOCK. MAGNITUDE UNCERTAIN
OCT	26	02 33	201	ML=3.0	FORESHOCK
OCT	26	05 44	192	ML=3.3	AFTERSHOCK. MAGNITUDE UNCERTAIN
OCT	26	05 49	192	ML=2.6	AFTERSHOCK
OCT	26	06 16	192	ML=3.3	AFTERSHOCK. MAGNITUDE UNCERTAIN
OCT	26	08 21	192	ML=2.3	AFTERSHOCK
OCT	26	09 38	192	ML=2.0	AFTERSHOCK
OCT	26	17 19	344	ML=3.1	PROBABLY SOUTHEASTERN ALASKA
OCT	28	09 12	331	ML=3.4	PROBABLY SOUTHEASTERN ALASKA
OCT	28	09 17	319	ML=2.8	
OCT	28	09 18	319	ML=3.5	PROBABLY SOUTHEASTERN ALASKA
NOV	4	06 38	229	ML=3.3	FORESHOCK. SEE TABLE 2A FOR LOCATION OF MAIN EVENT
NOV	5	09 23	255	ML=2.4	
NOV	9	03 57	223	ML=1.9	
NOV	17	05 59	268	ML=2.4	
NOV	17	21 37	300	ML=3.0	PROBABLY SOUTHEASTERN ALASKA
NOV	21	23 55	198	ML=2.5	
NOV	22	04 17	242	ML=2.2	
NOV	24	15 15	331	ML=3.0	PROBABLY SOUTHEASTERN ALASKA
NOV	24	23 25	223	ML=2.1	
NOV	24	23 59	200	ML=2.0	
DEC	4	14 37	344	ML=3.7	POSSIBLY SOUTHEASTERN ALASKA
DEC	5	03 38	192	ML=2.3	
DEC	5	15 07	344	ML=3.6	PROBABLY SOUTHEASTERN ALASKA
DEC	12	07 25	319	ML=2.7	
DEC	18	02 17	206	ML=3.3	PROBABLY SOUTHEASTERN ALASKA
DEC	23	02 01	223	ML=1.6	
DEC	23	06 08	234	ML=3.0	PROBABLY SOUTHEASTERN ALASKA
DEC	23	08 10	150	ML=1.8	
DEC	24	14 01	393	ML=2.7	
DEC	24	23 04	274	ML=2.2	
DEC	27	05 04	471	ML=3.4	PROBABLY SOUTHEASTERN ALASKA
DEC	31	00 07	209	ML=2.1	

TABLE 37

UNLOCATED EVENTS RECORDED AT YKC

DATE 1973	H-TIME(GMT) HR MN SEC	DELTA KM	MAGNITUDE	REMARKS
FEB 2	11 13	293	ML=3.0	PROBABLY WEST OF YKC
OCT 19	20 38	192	ML=1.6	