Geological Survey of Canada
Canadian Earthquakes – September 1995

Compiled by:

J.A. Drysdale
1 Observatory Cr.
Ottawa, Ontario
Fax (613) 992-8836

R.B. Horner
Pacific Geoscience Centre
Sidney, British Columbia
Fax (604) 363-6565

12/10/1995

The Geological Survey of Canada operates two seismological research centres that record and study earthquakes that occur in or near Canada. One centre is located at the Pacific Geoscience Centre near Sidney, B.C. north of Victoria and one is located at the Observatory Campus of the Geological Survey in Ottawa. Each centre operates a local telemetered seismograph network monitoring the seismic activity in their region and the centres collaborate on the monitoring of earthquakes throughout the rest of the country. Data from more than 100 seismograph stations operated in all parts of the country are used to analyse more than 1500 events every year. The derived data are stored in a national database in Ottawa.

Monthly Highlights: This report presents a summary of the earthquake activity that has occurred in or near Canada for the month of September 1995. The report is relatively complete for the populated areas of southwestern B.C. and southeastern Canada covered by the telemetered networks but is not as complete for the northern regions, although most of the larger events in remote areas will be noted. The magnitudes quoted are calculated on the Richter (M_L) or Nuttli (m_N) magnitude scales. The accompanying maps show the distribution of activity for the month across Canada and in the areas of the local networks. The Table at the end of this report gives the preliminary location and magnitude for each event as determined by the seismologists. The following is a list of the larger events or those felt during the time period.

Magnitude 4.6 on 12/09/1995:
SOUTH OF MORESBY ISLAND, B.C.

Magnitude 4.7 on 13/09/1995:
SOUTH OF MORESBY ISLAND, B.C.

Magnitude 4.3 on 13/09/1995:
SOUTH OF MORESBY ISLAND, B.C.

Magnitude 2.7 on 13/09/1995:
NEAR FORT ST. JOHN, B.C. FELT (III-IV) IN THE FORT ST. JOHN AREA

Magnitude 4.2 on 16/09/1995:
BEAUFORT SEA.

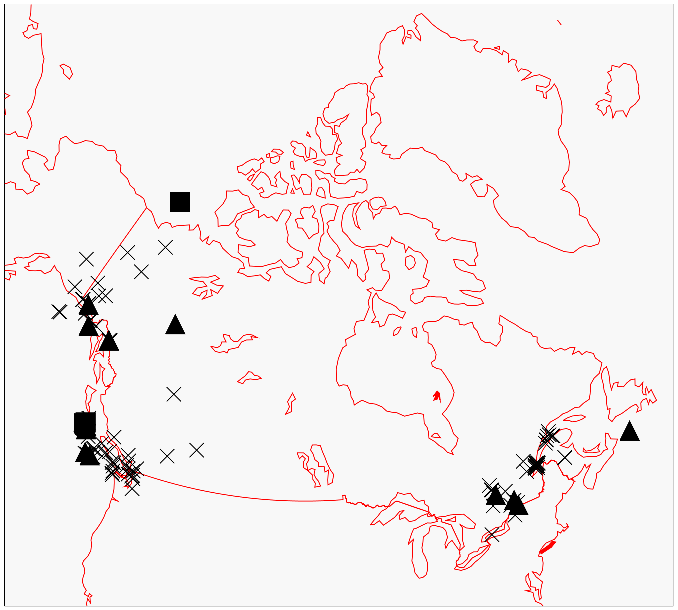
Magnitude 3.1 on 21/09/1995:
FELT, VALLEYFIELD, SOUTHERN QUE. EVENT FELT IN THE VALLEYFIELD AREA BY MANY PEOPLE. 20 KM S FROM SALABERRY-DE-VALLEYFIELD, QUE.

Magnitude 2.7 on 23/09/1995:
FELT, SAGUENAY REGION, QUE. FELT AT HEBERTVILLE, QUE.

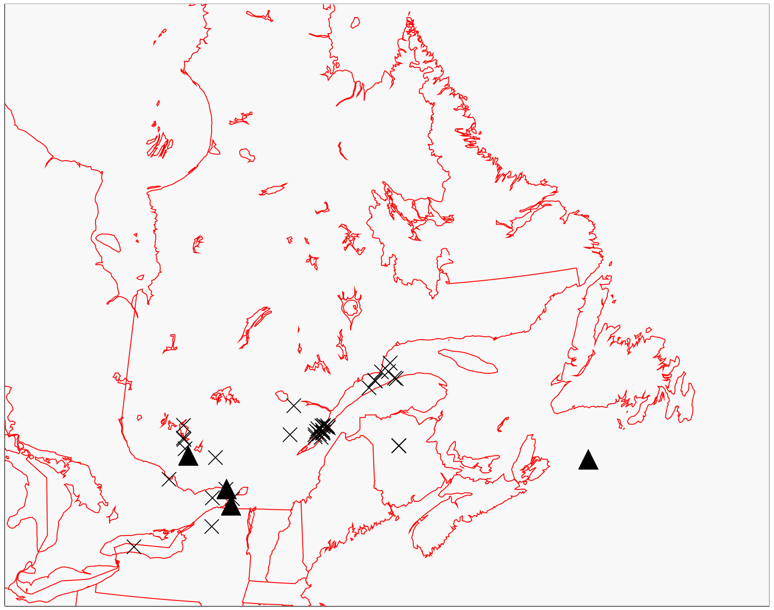
Earthquakes located this month were analysed by: R.B. Horner, Pacific Geoscience Centre, Sidney, B.C. Fax (604) 363-6565; and M. Lamontagne, J.A. Drysdale, M.G. Cajka, 1 Observatory Crescent, Ottawa, Ontario, Fax (613) 992-8836.

Ce document est disponible en français, sur demande.

Canada



Eastern Canada



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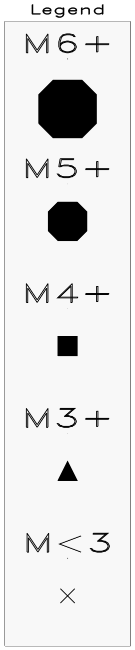
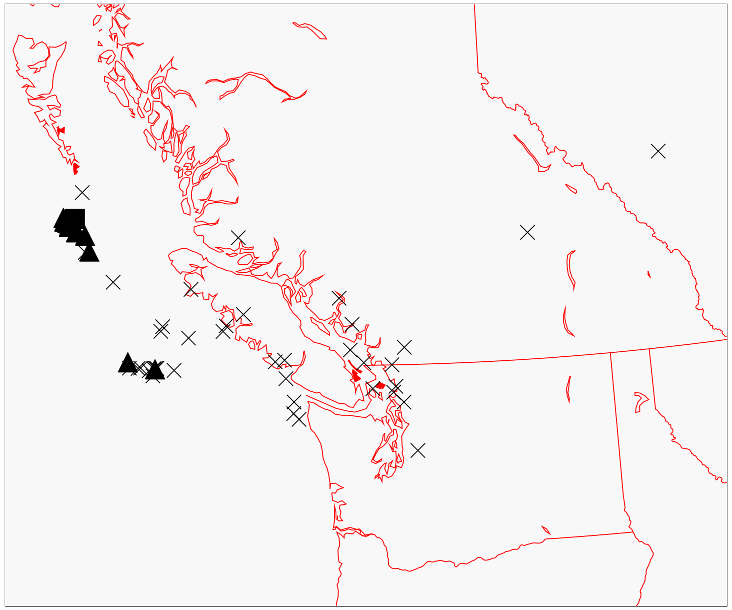
--Prepared at--

Observatory Crescent
and
Pacific Geoscience Centre



Western Canada



Geological Survey of Canada

Canadian Earthquakes – September 1995

(Prepared at 1 Observatory Cr, Ottawa and Pacific Geoscience Centre. Note: listing not complete for remote areas)

No.	Date yy-mm-dd	Time (UT) hh:mm:ss	Lat. ° N	Long. ° W	Depth km (g=held)	Magnitude ()=number	Region and Comments
1	95/09/01	22:05:14	63.13N	144.59W	5.0g	2.0ML(15)	EASTERN ALASKA.
2	95/09/02	02:35:33	46.00N	58.02W	18.0g	3.4MN(7)	LAURENTIAN CHANNEL
3	95/09/02	21:54:24	48.10N	124.92W	26.3	1.1ML(4)	WEST COAST OLYMPIC PENINSULA, WA.
4	95/09/03	01:33:08	47.00N	66.60W	5.0g	2.9MN(9)	MIRAMICHI REGION, N.B.
5	95/09/03	03:18:52	49.05N	125.54W	18.6	0.9ML(6)	WEST COAST VANCOUVER ISLAND, B.C.
6	95/09/04	06:26:25	60.22N	140.81W	10.0g	2.2ML(16)	SOUTHEASTERN ALASKA.
7	95/09/05	02:16:12	49.00N	122.58W	3.7	1.0ML(5)	EAST OF WHITE ROCK, B.C.
8	95/09/05	04:03:22	58.58N	137.61W	0.0g	3.0ML(15)	SOUTHEASTERN ALASKA.
9	95/09/05	07:16: 1	62.03N	124.29W	0.0g	3.4ML(5)	MACKENZIE MOUNTAINS, N.W.T.
10	95/09/05	07:39:38	51.01N	130.89W	10.0g	3.6ML(9)	SOUTHEAST OF MORESBY ISLAND, B.C.
11	95/09/05	08:10:37	48.84N	129.01W	10.0g	2.4ML(9)	WEST OF VANCOUVER ISLAND, B.C.
12	95/09/05	13:41:55	51.10N	118.93W	0.0g	2.1ML(4)	NORTHWEST OF REVELSTOKE, B.C.
13	95/09/05	17:13:30	48.39N	125.05W	32.8	1.3ML(4)	WEST COAST OLYMPIC PENINSULA, WA.
14	95/09/06	03:27:24	60.17N	139.62W	10.0g	2.3ML(12)	SOUTHEASTERN ALASKA.
15	95/09/06	14:33: 2	60.09N	139.54W	0.0g	3.5ML(4)	SOUTHEASTERN ALASKA.
16	95/09/06	19:56:45	49.82N	126.39W	42.5	1.0ML(4)	WEST COAST VANCOUVER ISLAND, B.C.
17	95/09/06	22:03:46	49.56N	128.45W	10.0g	2.1ML(5)	WEST OF VANCOUVER ISLAND, B.C.
18	95/09/07	02:25:50	49.48N	128.49W	10.0g	2.6ML(10)	WEST OF VANCOUVER ISLAND, B.C.
19	95/09/07	07:06:40	59.33N	139.19W	0.0g	2.4ML(3)	SOUTHEASTERN ALASKA.
20	95/09/07	08:49:07	49.61N	66.85W	18.0g	1.9MN(5)	LOWER ST. LAWRENCE SEISMIC ZONE, QUE.
21	95/09/07	18:11:53	48.85N	128.94W	10.0g	2.7ML(7)	WEST OF VANCOUVER ISLAND, B.C.
22	95/09/08	08:55:27	46.57N	75.03W	18.0g	1.7MN(3)	WESTERN QUEBEC SEISMIC ZONE.
23	95/09/09	04:12:21	58.19N	142.68W	10.0g	2.6ML(24)	GULF OF ALASKA.
24	95/09/09	04:21:17	47.48N	70.10W	14.7	-0.4ML(4)	CHARLEVOIX SEISMIC ZONE, QUE.
25	95/09/09	12:10:49	49.62N	126.82W	41.4	1.4ML(5)	WEST COAST VANCOUVER ISLAND, B.C.
26	95/09/09	13:19:26	45.30N	75.06W	18.0g	2.1MN(8)	WESTERN QUEBEC SEISMIC ZONE.
27	95/09/10	02:11:11	50.20N	127.77W	0.0g	1.0ML(3)	NEAR BROOKS PENINSULA, B.C.
28	95/09/11	01:43:08	47.69N	70.08W	11.3	0.2ML(7)	CHARLEVOIX SEISMIC ZONE, QUE.
29	95/09/11	03:50: 8	49.53N	126.89W	33.2	1.9ML(4)	WEST COAST VANCOUVER ISLAND, B.C.
30	95/09/11	03:52: 2	48.86N	128.53W	10.0g	2.6ML(11)	WEST OF VANCOUVER ISLAND, B.C.
31	95/09/11	10:48:34	52.24N	115.23W	5.0g	2.9ML(7)	NEAR ROCKY MOUNTAIN HOUSE, ALTA.
32	95/09/11	11:17:32	61.53N	137.86W	5.0g	1.5ML(3)	NORTH OF HAINES JUNCTION, Y.T.
33	95/09/11	13:14:48	46.78N	76.45W	18.0g	2.5MN(6)	WESTERN QUEBEC SEISMIC ZONE.
34	95/09/11	14:10:21	47.40N	70.48W	10.0	1.7MN(6)	CHARLEVOIX SEISMIC ZONE, QUE.
35	95/09/12	01:22: 8	48.84N	128.09W	10.0g	2.2ML(11)	WEST OF VANCOUVER ISLAND, B.C.
36	95/09/12	02:34:35	47.00N	66.60W	5.0g	2.4MN(8)	MIRAMICHI, N.B.
37	95/09/12	03:59:05	45.60N	74.44W	18.0g	3.7MN(26)	11 KM SW FROM LACHUTE, QUE.
38	95/09/12	05:59:25	50.69N	130.59W	10.0g	1.8ML(4)	WEST OF VANCOUVER ISLAND, B.C.
39	95/09/12	08:57:36	47.00N	66.60W	5.0g	2.0MN(8)	MIRAMICHI, N.B.
40	95/09/12	10:18:19	58.90N	136.52W	5.0g	2.1ML(3)	GLACIER BAY, ALASKA.
41	95/09/12	10:43:10	48.85N	128.61W	10.0g	2.3ML(7)	WEST OF VANCOUVER ISLAND, B.C.
42	95/09/12	10:49:21	48.86N	128.57W	10.0g	2.2ML(5)	WEST OF VANCOUVER ISLAND, B.C.
43	95/09/12	19:00:38	47.39N	71.64W	18.0g	2.1MN(5)	LAURENTIAN FAUNA RESERVE, QUE.
44	95/09/12	22:00:38	51.15N	131.14W	10.0g	3.2ML(5)	SOUTH OF MORESBY ISLAND, B.C.
45	95/09/12	22:14:17	51.18N	131.18W	10.0g	3.4ML(6)	SOUTH OF MORESBY ISLAND, B.C.
46	95/09/12	22:25:14	47.31N	70.19W	15.6	1.5MN(5)	CHARLEVOIX SEISMIC ZONE, QUE.
47	95/09/12	22:44:26	51.23N	130.95W	10.0g	4.6mb(10)	SOUTH OF MORESBY ISLAND, B.C.
48	95/09/12	22:59:52	51.17N	131.00W	10.0g	3.8ML(7)	SOUTH OF MORESBY ISLAND, B.C.
49	95/09/12	23:20: 5	51.18N	131.21W	10.0g	3.3ML(5)	SOUTH OF MORESBY ISLAND, B.C.
50	95/09/12	23:38:13	51.17N	131.22W	10.0g	3.4ML(6)	SOUTH OF MORESBY ISLAND, B.C.
51	95/09/13	06:20:27	51.23N	131.25W	10.0g	3.5ML(9)	SOUTH OF MORESBY ISLAND, B.C.
52	95/09/13	07:54:21	51.10N	131.03W	10.0g	3.4ML(11)	SOUTH OF MORESBY ISLAND, B.C.
53	95/09/13	07:59: 6	51.09N	131.06W	10.0g	4.7mb(11)	SOUTH OF MORESBY ISLAND, B.C.
54	95/09/13	08:21:29	51.09N	131.09W	10.0g	3.6ML(9)	SOUTH OF MORESBY ISLAND, B.C.
55	95/09/13	11:19:31	51.09N	131.03W	10.0g	4.3ML(13)	SOUTH OF MORESBY ISLAND, B.C.
56	95/09/13	18:32: 8	48.64N	122.49W	0.1	1.3ML(5)	NEAR BELLINGHAM, WASHINGTON.
57	95/09/13	19:15:55	56.32N	120.64W	2.0g	2.7MN(3)	NEAR FORT ST. JOHN, B.C.
58	95/09/13	23:06:23	60.18N	140.88W	10.0g	2.0ML(15)	SOUTHEASTERN ALASKA.
59	95/09/14	02:40:25	48.19N	125.05W	0.0g	1.5ML(4)	WEST COAST OLYMPIC PENINSULA, WA.
60	95/09/14	03:42:42	45.31N	74.16W	18.0g	2.0MN(8)	WESTERN QUEBEC SEISMIC ZONE.

No.	Date yy-mm-dd	Time (UT) hh:mm:ss	Lat. ° N	Long. ° W	Depth km (g=held)	Magnitude ()=number	Region and Comments
61	95/09/14	08:34:57	48.77N	125.26W	28.5	1.1ML(6)	WEST COAST VANCOUVER ISLAND, B.C.
62	95/09/14	09:01:56	44.40N	75.01W	6.2g	2.0MN(11)	NORTHERN NEW YORK STATE, U.S.A.
63	95/09/14	09:55:23	48.86N	128.53W	10.0g	2.7ML(9)	WEST OF VANCOUVER ISLAND, B.C.
64	95/09/14	17:08:26	60.20N	139.58W	0.0g	1.8ML(15)	SOUTHEASTERN ALASKA.
65	95/09/15	09:08:01	49.09N	67.62W	18.0g	2.0MN(4)	LOWER ST. LAWRENCE SEISMIC ZONE, QUE.
66	95/09/15	23:17:18	48.55N	122.55W	24.3	0.9ML(6)	NEAR ANACORTES, WASHINGTON.
67	95/09/16	10:27:12	47.33N	70.47W	11.6	1.0MN(6)	CHARLEVOIX SEISMIC ZONE, QUE.
68	95/09/16	11:24:57	43.56N	78.33W	18.0g	2.1MN(4)	LAKE ONTARIO
69	95/09/16	19:58:50	48.84N	129.22W	10.0g	2.7ML(9)	WEST OF VANCOUVER ISLAND, B.C.
70	95/09/16	20:44:18	71.53N	134.81W	35.0g	4.2ML(6)	BEAUFORT SEA.
71	95/09/17	06:42:40	45.59N	74.47W	18.0g	1.5MN(5)	WESTERN QUEBEC SEISMIC ZONE.
72	95/09/17	20:23:36	48.61N	123.07W	11.6	0.7ML(7)	NEAR SAN JUAN ISLAND, WA.
73	95/09/18	02:03:26	58.99N	137.91W	0.0g	2.2ML(3)	SOUTHEASTERN ALASKA.
74	95/09/18	03:07:34	49.06N	67.60W	18.0g	1.7MN(3)	LOWER ST. LAWRENCE SEISMIC ZONE, QUE.
75	95/09/18	11:38:15	48.38N	122.30W	37.3	1.1ML(5)	NEAR MOUNT VERNON, WASHINGTON.
76	95/09/18	13:22:03	47.45N	70.11W	1.9	0.6ML(7)	CHARLEVOIX SEISMIC ZONE, QUE.
77	95/09/18	16:06:39	51.13N	131.11W	10.0g	2.7ML(4)	SOUTH OF MORESBY ISLAND, B.C.
78	95/09/18	16:09:46	47.68N	69.90W	18.0g	2.6MN(6)	CHARLEVOIX SEISMIC ZONE, QUE.
79	95/09/19	01:43:36	47.59N	70.34W	18.0g	-1.3ML(4)	CHARLEVOIX SEISMIC ZONE, QUE.
80	95/09/19	02:47:19	45.78N	77.06W	18.0g	1.6MN(5)	6 KM SE FROM PEMBROKE, ONT.
81	95/09/19	19:56:15	48.73N	128.62W	10.0g	2.5ML(7)	WEST OF VANCOUVER ISLAND, B.C.
82	95/09/19	21:26:36	49.26N	123.64W	2.9	1.1ML(6)	STRAIT OF GEORGIA, B.C.
83	95/09/19	23:04:59	47.06N	76.54W	18.0g	2.0MN(6)	WESTERN QUEBEC SEISMIC ZONE.
84	95/09/20	02:33:25	47.50N	70.40W	5.1	2.1MN(6)	CHARLEVOIX SEISMIC ZONE, QUE.
85	95/09/20	12:17:56	49.35N	66.95W	18.0g	1.8MN(3)	LOWER ST. LAWRENCE SEISMIC ZONE, QUE.
86	95/09/20	16:41:08	46.57N	76.28W	18.0g	3.0MN(13)	WESTERN QUEBEC SEISMIC ZONE.
87	95/09/21	06:40: 2	58.36N	133.53W	5.0g	3.0ML(3)	WRIGHT GLACIER, B.C.-ALASKA BORDER.
88	95/09/21	08:51:37	49.29N	122.26W	2.1	0.7ML(4)	NEAR STAVE LAKE, B.C.
89	95/09/21	10:23: 1	50.24N	129.80W	10.0g	2.4ML(6)	WEST OF VANCOUVER ISLAND, B.C.
90	95/09/21	12:35:37	60.68N	143.22W	10.0g	2.7ML(21)	EASTERN ALASKA.
91	95/09/21	13:29:42	47.65N	70.10W	13.2	0.3ML(6)	CHARLEVOIX SEISMIC ZONE, QUE.
92	95/09/21	21:33:27	58.39N	133.47W	5.0g	2.8ML(3)	WRIGHT GLACIER, B.C.-ALASKA BORDER.
93	95/09/21	23:03:28	45.09N	74.21W	18.0g	3.1MN(24)	FELT, VALLEYFIELD, SOUTHERN QUE.
94	95/09/21	23:13:43	47.51N	76.61W	18.0g	2.2MN(3)	DOUBLE-EVENT WESTERN QUEBEC SEISMIC ZONE
95	95/09/22	03:27:05	47.62N	69.86W	17.3	-0.2ML(6)	CHARLEVOIX SEISMIC ZONE, QUE.
96	95/09/23	00:06:17	50.97N	130.64W	10.0g	3.4ML(10)	WEST OF VANCOUVER ISLAND, B.C.
97	95/09/23	03:06:41	48.30N	71.49W	18.0g	2.7MN(9)	FELT, SAGUENAY REGION, QUE.
98	95/09/23	04:33:22	58.38N	133.50W	5.0g	3.2ML(3)	WRIGHT GLACIER, B.C.-ALASKA BORDER.
99	95/09/23	08:53:45	47.46N	70.13W	14.2	-0.2ML(7)	CHARLEVOIX SEISMIC ZONE, QUE.
100	95/09/23	11:11:39	50.71N	130.49W	10.0g	3.1ML(6)	WEST OF VANCOUVER ISLAND, B.C.
101	95/09/23	20:36:44	62.07N	140.30W	5.0g	1.9ML(3)	NEAR BEAVER CREEK, Y.T.
102	95/09/23	20:53:51	47.68N	70.15W	10.1	1.6MN(6)	CHARLEVOIX SEISMIC ZONE, QUE.
103	95/09/24	05:30:38	58.43N	133.34W	5.0g	2.9ML(3)	WRIGHT GLACIER, B.C.-ALASKA BORDER.
104	95/09/24	06:58:30	58.40N	133.37W	5.0g	2.9ML(3)	WRIGHT GLACIER, B.C.-ALASKA BORDER.
105	95/09/24	14:00:39	47.57N	121.98W	10.0	2.4ML(3)	EAST OF SEATTLE, WASHINGTON.
106	95/09/24	14:27:06	47.64N	69.95W	8.0	2.3MN(8)	CHARLEVOIX SEISMIC ZONE, QUE.
107	95/09/24	14:30:16	49.35N	67.29W	18.0g	1.7MN(3)	LOWER ST. LAWRENCE SEISMIC ZONE, QUE.
108	95/09/24	17:23:31	58.38N	133.37W	5.0g	2.8ML(3)	WRIGHT GLACIER, B.C.-ALASKA BORDER.
109	95/09/24	23:30:34	61.21N	138.86W	10.0g	1.5ML(3)	ST. ELIAS MOUNTAINS, Y.T.
110	95/09/25	06:15:51	47.54N	70.13W	15.7	-0.1ML(6)	CHARLEVOIX SEISMIC ZONE, QUE.
111	95/09/25	08:57: 9	49.68N	123.59W	1.5	0.5ML(5)	SOUTHERN COAST MOUNTAINS, B.C.
112	95/09/25	14:05:46	51.09N	126.59W	5.0g	1.3ML(4)	CENTRAL COAST MOUNTAINS, B.C.
113	95/09/26	03:05:47	48.93N	129.27W	10.0g	3.2ML(10)	WEST OF VANCOUVER ISLAND, B.C.
114	95/09/26	05:08:26	49.04N	123.30W	59.0	1.3ML(10)	STRAIT OF GEORGIA, B.C.
115	95/09/26	18:16:46	67.64N	132.48W	18.0g	2.9ML(3)	NEAR INUVIK, N.W.T.
116	95/09/26	22:41:47	49.08N	125.31W	41.2	0.9ML(4)	WEST COAST VANCOUVER ISLAND, B.C.
117	95/09/26	23:10:48	47.11N	76.57W	18.0g	1.9MN(4)	WESTERN QUEBEC SEISMIC ZONE.
118	95/09/27	08:22: 1	59.08N	137.79W	10.0g	2.2ML(3)	SOUTHEASTERN ALASKA.
119	95/09/27	09:49:49	49.14N	66.67W	18.0g	1.8MN(3)	LOWER ST. LAWRENCE SEISMIC ZONE, QUE.
120	95/09/27	11:20:31	49.39N	127.77W	10.0g	2.0ML(8)	WEST OF VANCOUVER ISLAND, B.C.
121	95/09/28	12:45:13	58.17N	142.91W	10.0g	2.3ML(22)	GULF OF ALASKA.

No.	Date yy-mm-dd	Time (UT) hh:mm:ss	Lat. ° N	Long. ° W	Depth km (g=held)	Magnitude ()=number	Region and Comments
122	95/09/29	09:42:15	51.68N	130.82W	10.0g	2.9ML(5)	SOUTH OF MORESBY ISLAND, B.C.
123	95/09/30	00:01:19	47.42N	70.27W	17.9	2.5MN(6)	CHARLEVOIX SEISMIC ZONE, QUE.
124	95/09/30	00:57:17	64.84N	134.41W	0.0g	2.6ML(4)	WERNECKE MOUNTAINS, Y.T.
125	95/09/30	08:16: 5	50.12N	123.92W	6.2	1.0ML(5)	SOUTHERN COAST MOUNTAINS, B.C.
126	95/09/30	08:48:04	48.86N	67.91W	18.0g	1.4MN(3)	LOWER ST. LAWRENCE SEISMIC ZONE, QUE.
127	95/09/30	20:10:19	48.84N	128.58W	10.0g	3.4ML(8)	WEST OF VANCOUVER ISLAND, B.C.
128	95/09/30	20:37:10	65.63N	138.82W	5.0g	2.5ML(3)	OGILVIE MOUNTAINS, Y.T.
129	95/09/30	20:53:25	48.81N	128.72W	10.0g	2.7ML(7)	WEST OF VANCOUVER ISLAND, B.C.
130	95/09/30	21:02:49	49.11N	66.59W	18.0g	2.1MN(3)	LOWER ST. LAWRENCE SEISMIC ZONE, QUE.

** This report is available via INTERNET as follows:**

ftp seismo.emr.ca
(Name=anonymous)
cd exports/info
get summary.ps