

Canadian Seismograph Stations

Report to the FDSN

Santiago, Chile

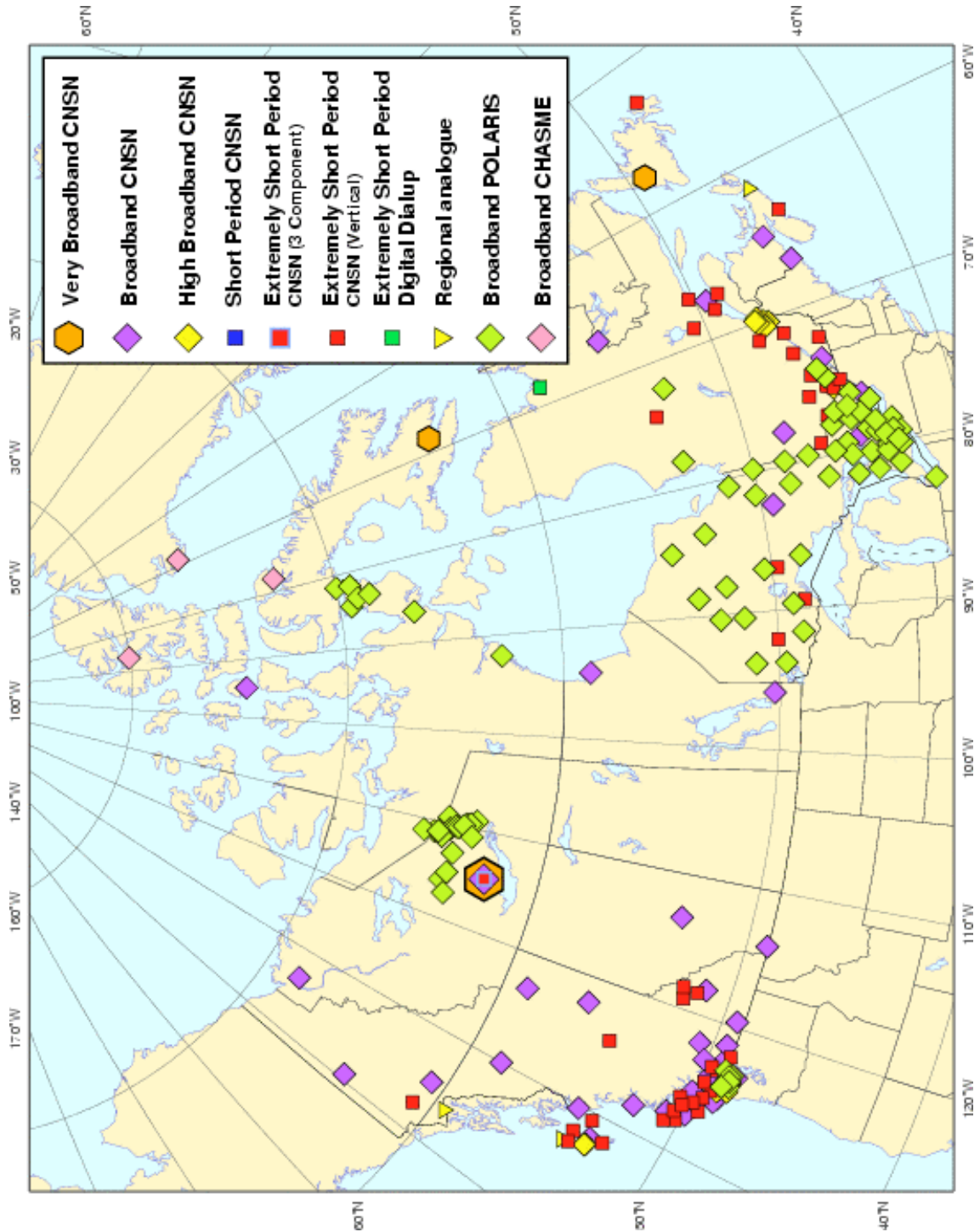
2005

Jim Lyons

Earthquakes Canada

Geological Survey of Canada

1. Map of current Canadian Seismograph Stations



2. Table of current Canadian Seismograph Stations

National Seismograph Network (CNSN)

Station	Latitude	Longitude	Elev (km)	Seismo	Samprate
A11	47.2425	-70.1978	0.061	CMG-3R	100
A16	47.4706	-70.0064	0.015	CMG-3R	100
A21	47.7036	-69.6897	0.046	CMG-3R	100
A54	47.4567	-70.4125	0.381	CMG-3R	100
A61	47.693	-70.09	0.358	CMG-3R	100
A64	47.8264	-69.8922	0.137	CMG-3R	100
ALB	49.2718	-124.8277	0.026	L4	100
BBB	52.1847	-128.1133	0.014	CMG-3E	40
BIB	49.4094	-123.31	0.037	S-13	100
BLBC	52.0434	-119.2411	2.362	WMII	100
BMBC	56.045	-122.131	1.1	CMG-3T	40
BNAB	53.4933	-130.6372	0.016	S-13	100
BNB	52.5758	-131.7522	0.756	S-13	100
BPBC	50.1572	-127.7708	0.732	S-13	100
BTB	49.4683	-125.5214	1.64	S-13	100
CBB	50.032	-125.3638	0.317	CMG-3T	40
CNQ	49.3022	-68.0744	0.2	S-13	100
CRLO	46.0375	-77.3801	0.168	S-13	100
DAQ	47.9644	-71.2425	0.939	S-13	100
DAWY	64.0655	-139.3909	0.808	CMG-3E	40
DIB	53.20247	-132.47666	0.068	CMG-3R	100
DLBC	58.4372	-130.0272	0.978	CMG-3E	40
DOWB	51.5183	-118.5162	0.594	WMII	100
DPQ	46.6804	-72.7774	0.167	S-13	100
DRLN	49.256	-57.5042	0.238	STS-1	40
EDB	49.8737	-127.1198	0.189	CMG-3E	40
EDM	53.2217	-113.35	0.73	CMG-3E	40
EEO	46.6411	-79.0733	0.398	S-13	100
EFO	43.0917	-79.3117	0.168	S-13	100
ETB	49.3763	-126.538	0.001	S-13	100
FCC	58.7616	-94.0866	0.039	CMG-3E	40
FNBB	58.8904	-123.0097	0.618	CMG-3T	40
FRB	63.7467	-68.5467	0.018	STS-1	40
FSB	54.4767	-124.3283	0.747	S-13	100
GAC	45.7033	-75.4783	0.062	STS-1	40
GAC	45.7033	-75.4783	0.062	S-13	100
GDR	49.781	-126.0553	0.1	S-13	100
GGN	45.117	-66.822	0.03	CMG-3R	40
GOBB	48.9493	-123.5105	0.161	S-13	100
GRQ	46.6067	-75.86	0.29	S-13	100
GSQ	48.9142	-67.1106	0.398	S-13	100
GTO	49.7455	-86.961	0.35	S-13	100
HAL	44.6377	-63.592	0.064	S-13	100
HNB	49.2745	-122.5792	0.183	CMG-3E	40
HOLB	50.6405	-128.1318	0.564	S-13	100
HOPB	49.3873	-121.4205	0.248	CMG-3E	40
HYT	60.825	-137.5038	1.416	S-13	100
ICQ	49.5217	-67.2719	0.058	CMG-3R	40

IGL	69.3767	-81.8067	0.038	S-13	100
INK	68.3067	-133.52	0.04	CMG-3E	40
KAPO	49.4504	-82.5079	0.21	CMG-3E	40
KGNO	44.2272	-76.4934	0.089	CMG-3R	40
KUQ	58.109	-68.4113	0.054	S-13	100
LG4Q	53.6269	-74.0972	0.168	S-13	100
LLLB	50.609	-121.8815	0.7	CMG-3T	40
LMN	45.852	-64.806	0.363	CMG-3E	40
LMQ	47.5483	-70.3267	0.419	CMG-3E	40
LZB	48.6117	-123.8236	0.844	CMG40T	100
MASB	54.015	-132.023	0.015	L4	100
MAYB	50.4025	-127.1717	1.414	S-13	100
MGB	49	-124.6975	1.3	CMG-3R	100
MNB	52.1983	-118.3833	2.271	WMII	100
MNQ	50.5333	-68.7744	0.564	S-13	100
MNT	45.5025	-73.6231	0.112	CMG-3R	40
MOBC	53.1969	-131.8983	0.675	CMG-3E	40
MOQ	45.312	-72.2541	0.841	S-13	100
NCRB	50.4035	-126.0553	1.293	S-13	100
NDB	53.955	-132.9417	0.686	S-13	100
NLLB	49.2274	-123.9881	0.192	CMG-3T	40
OTT	45.3942	-75.7167	0.077	CMG-3R	100
OTT	45.3942	-75.7167	0.077	S-13	100
OZB	48.9603	-125.4928	0.671	CMG-3E	40
PFB	48.575	-124.4444	0.465	CMG40T	100
PGC	48.65	-123.4508	0.005	CMG-3E	40
PHC	50.7067	-127.4317	0.033	CMG-3T	40
PLBC	59.45503	-136.36594	0.279	CMG-3E	100
PNT	49.3167	-119.6167	0.55	CMG-3T	40
QCQ	46.7789	-71.2758	0.091	S-13	100
RES	74.687	-94.9	0.015	CMG-3E	40
RUBB	54.3262	-130.2523	0.012	CMG-3E	40
SADO	44.7694	-79.1417	0.243	CMG-3E	40
SCHQ	54.8324	-66.83318	0.4975	CMG-3T	40
SHB	49.593	-123.8805	1.143	CMG-3E	40
SLEB	51.1672	-118.1336	2.075	CMG-3T	40
SMQ	50.2225	-66.7025	0.344	S-13	100
SNB	48.776	-123.1712	0.408	CMG40T	40
SOLO	50.0213	-92.0812	0.373	S-13	100
STJN	47.5699	-52.756	0.167	S-13	100
TBO	48.6473	-89.4083	0.468	S-13	100
TRQ	46.2222	-74.5556	0.853	S-13	100
TXB	49.6969	-124.436	0.515	S-13	100
ULM	50.25026	-95.87496	0.2509	CMG-3T	40
VDB	49.0261	-122.1028	0.404	L4	100
VGZ	48.4139	-123.3244	0.067	CMG-3E	40
VIB	53.2522	-132.5406	1.008	CMG-3I	100
VLDQ	48.1901	-77.7573	0.093	CMG-3R	40
WALA	49.0586	-113.9115	1.4	CMG-3E	40
WBO	45.0003	-75.275	0.085	S-13	100
WHY	60.6597	-134.8806	1.292	CMG-3E	40
WOSB	50.1607	-126.5704	0.955	S-13	100
WPB	49.6481	-123.2083	0.28	S-13	100
WSLR	50.1265	-122.9212	0.906	CMG-3E	40
YKB0	62.6059	-114.606	0.1942	S-13	20
YKB1	62.4023	-114.6063	0.1451	S-13	20

YKB2	62.4247	-114.6063	0.1503	S-13	20
YKB3	62.4485	-114.6061	0.1582	S-13	20
YKB4	62.4709	-114.6058	0.1638	S-13	20
YKB6	62.5164	-114.6057	0.1736	S-13	20
YKB7	62.5389	-114.6061	0.1766	S-13	20
YKB8	62.5615	-114.6055	0.171	S-13	20
YKB9	62.583	-114.6039	0.2131	S-13	20
YKR1	62.4928	-114.9445	0.1411	S-13	20
YKR2	62.4928	-114.8959	0.145	S-13	20
YKR3	62.4929	-114.8476	0.1462	S-13	20
YKR4	62.49265	-114.79976	0.14891	S-13	20
YKR5	62.49316	-114.75038	0.15419	S-13	20
YKR6	62.49317	-114.70199	0.16104	S-13	20
YKR7	62.49321	-114.65439	0.16746	S-13	20
YKR8	62.4931	-114.6062	0.1667	S-13	20
YKR9	62.49304	-114.55646	0.17168	S-13	20
YKW1	62.4822	-114.48426	0.17073	STS-1	20
YKW2	62.4337	-114.6038	0.1438	STS-1	20
YKW3	62.56162	-114.60993	0.17027	STS-1	20
YKW3	62.56162	-114.60993	0.17027	S-13	100
YKW4	62.49246	-114.7432	0.16065	STS-1	20
YKW5	62.4822	-114.4843	0.1707	CMG-3T	40

POLARIS

Station	Latitude	Longitude	Elev (km)	Seismo	Samprate
ACKN	64.99151	-110.87081	0.469	CMG-3P	40
ACTO	43.60867	-80.06236	0.36	CMG-3P	100
ALFO	45.62828	-74.88419	0	CMG-3E	100
ALGO	45.95443	-78.05093	0.235	CMG-3P	100
AP3N	69.45864	-84.46158	0.437	CMG-3E	40
ATKO	48.8231	-91.60045	0.3827	CMG-3E	100
BANO	45.01982	-77.92802	0.36	CMG-3P	100
BOXN	63.85215	-109.71694	0.436	CMG-3P	40
BRCO	44.24372	-81.44225	0.273	CMG-3P	100
BUKO	45.44228	-79.39895	0.317	CMG-3P	100
CLWO	44.44907	-80.30132	0.485	CMG-3E	100
COWN	65.26795	-111.18597	0.513	CMG-3P	40
CTLN	64.42873	-116.0189	0.552	CMG-3E	40
DELO	44.51769	-77.61857	0.213	CMG-3P	100
DVKN	64.5092	-110.30962	0.42	CMG40T	40
EKTN	64.69846	-110.60967	0.468	CMG-3P	40
ELFO	43.193	-81.3163	0.298	CMG-3E	100
ELGO	43.67546	-80.43743	0.377	CMG-3P	100
EPLO	49.6737	-93.72582	0.4373	CMG-3E	100
GALN	64.11672	-117.31425	0.34	CMG-3E	40
GBLN	64.19953	-112.9935	0.392	CMG40T	40
GIFN	69.99447	-81.638	0.092	CMG-3E	40
GLWN	64.7253	-109.33039	0.449	CMG-3P	40
HGVO	42.96066	-80.12644	0.224	CMG-3P	100
HSMO	47.37082	-79.66566	0.306	CMG-3E	100
IGLN	69.369	-81.8175	0.047	CMG-3E	40
ILKN	64.22413	-115.12933	0.266	CMG40T	40
ILON	69.3712	-81.82422	0.051	CMG-3E	40
KASO	53.52785	-88.64139	0.192	CMG-3E	100
KILO	48.4972	-79.7232	0.314	CMG40T	100

KLBO	45.35657	-80.2132	0.177	CMGT3E	100
KLNB	48.66107	-123.57063	0	CMG-3P	100
KNDN	63.41929	-109.20131	0.421	CMG-3P	40
LAIN	69.1086	-83.53605	0.32	CMG-3E	40
LDGN	64.57856	-110.52242	0.416	CMG-3P	40
LDIO	49.17499	-89.59551	0.5002	CMG-3P	100
LGSN	64.33372	-110.13072	0.44	CMG40T	40
LINO	44.35407	-78.7802	0.268	CMG-3P	100
LUPN	65.73834	-111.25686	0.505	CMG-3P	40
MALO	50.0244	-79.7635	0.271	CMG40T	100
MCKN	64.19803	-110.21317	0.431	CMG40T	40
MEDO	43.1646	-78.45462	0.1905	CMG-3P	100
MGCB	48.63167	-123.6808	0.236	CMG-3P	100
MGTN	63.68559	-109.5911	0.411	CMG-3P	40
MLON	63.96955	-109.89532	0.418	CMG-3P	40
MPPO	44.76999	-76.26484	0.143	CMG-3P	100
MRHQ	45.887	-74.2127	0.422	CMG-3E	100
MSNO	51.2913	-80.6151	-0.015	CMG-3E	100
MUMO	52.61279	-90.39136	0.316	CMG-3P	100
NANO	50.35429	-86.96841	0.309	CMG-3E	100
NSKO	52.1965	-87.93053	0.241	CMG-3E	100
OTRO	50.1818	-81.6286	0.109	CMG40T	100
PECO	43.93402	-76.99387	0.092	CMG-3P	100
PEMO	45.67732	-77.2466	0.18	CMG-3P	100
PKLO	51.49867	-90.35219	0.3762	CMG-3T	100
PKRO	43.96431	-79.07143	0.197	CMG-3P	100
PLIO	41.75053	-82.62837	0.143	CMG-3P	100
PLVO	45.03964	-77.07538	0	CMG-3P	100
PNPO	48.59568	-86.28463	0.2193	CMG-3T	100
PTCO	42.88437	-79.31151	0.18	CMG-3E	100
QILN	66.6532	-86.3709	0.095	CMG-3E	40
RLKO	51.0704	-93.7585	0.362	CMG-3T	100
RSPO	46.0734	-79.7602	0.264	CMG-3E	100
SILB	48.60198	-123.28147	0.076	CMG-3P	100
SILO	54.47918	-84.91262	0.195	CMG-3P	100
SNPN	63.51784	-110.90776	0.458	CMG-3P	40
SRLN	68.55132	-83.32383	0.261	CMG-3E	40
SSIB	48.75577	-123.38748	0.012	CMG-3P	100
STCO	43.20963	-79.17053	0.096	CMG-3P	100
SUNO	46.6438	-81.3442	0.343	CMG-3E	100
TIMO	48.46587	-81.30321	0.392	CMG-3E	100
TOBO	45.22573	-81.52337	0.169	CMG-3E	100
TORO	43.61363	-79.3433	0.08	CMG40T	100
TSJB	48.60128	-123.98852	0.378	CMG-3P	100
TWBB	48.58462	-124.092	0.122	CMG-3P	100
TWKB	48.64485	-123.7332	0.128	CMG-3P	100
TYNO	43.09498	-79.87018	0.205	CMG-3P	100
VIMO	52.81726	-83.74489	0.078	CMG-3P	100
WEMQ	53.0535	-77.9737	0.172	CMG-3E	100
WLVO	43.92356	-78.39699	0.07	CMG-3P	100
YMBN	64.87421	-111.53258	0.439	CMG-3P	40
YNEN	65.0883	-111.05	0.463	CMG40T	40
YOSQ	52.86657	-72.19983	0.649	CMG-3E	100
YOUB	48.90095	-124.26183	0.771	CMG-3P	100
YRTN	62.8102	-92.1095	0.001	CMG-3E	40

CHASME Deployment

Station	Latitude	Longitude	Elev (km)	Seismo	Samprate
EUNU	80.0533	-86.4158	0.628	CMG-3R	100
PINU	72.6971	-77.9748	0.036	CMG-3R	100
TULEG	76.5374	-68.8237	0.038	CMG40T	100

3. Plans for 2005-06

CNSN

Plans are well established to provide real-time feeds from ten stations in eastern Canada to the West Coast/ Alaska Tsunami Warning Centre (ATWC) for monitoring the Atlantic. This will involve upgrading GBN & STJN, currently analog regional stations, to 3-component broadband in calendar year 2005. Similarly HAL, currently vertical short-period (EHZ), will also be upgraded to 3-component broadband in the same timeframe.

POLARIS

The initial 5-year deployment cycle for the temporary POLARIS deployments came to an end this past summer. Work started in August to dismantle the POLARIS North sub-array and move the stations east to the Hudson's Bay region. Similarly, re-deployment of the B.C. network stations to the Gulf of St. Lawrence region has begun.