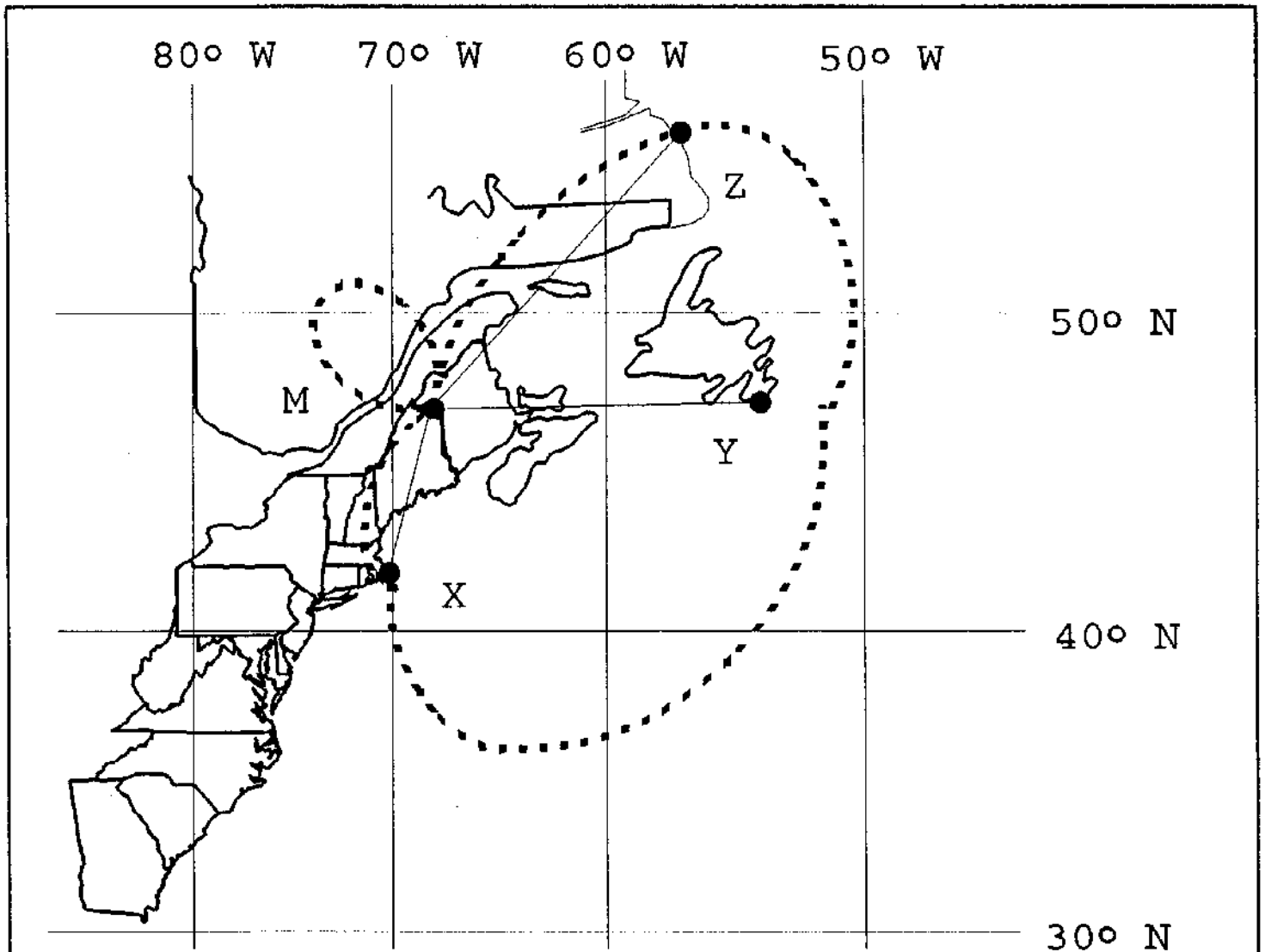


Canadian East Coast Loran-C Chain GRI 5930

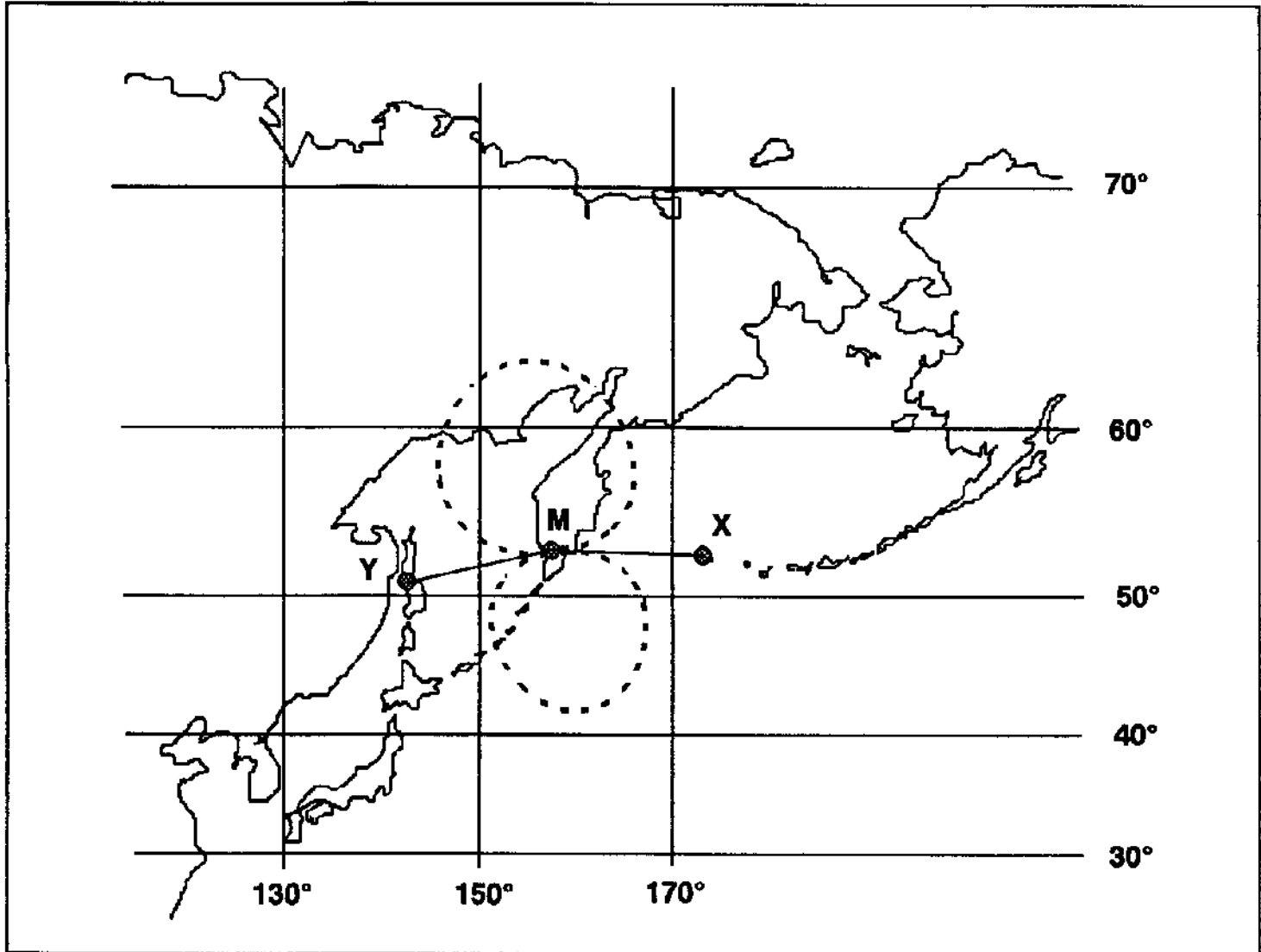


SNR	1:3
Fix Accuracy	1/4 NM (95% 2 dRMS)
Atmospheric Noise	47.6 dB above 1 μ V/m

Transmitter	Coordinates		CD (μ S)	Power (kW)
M Caribou, ME	46°48'27.305"N	67°55'37.159"W		800
X Nantucket, MA	41°15'12.046"N	69°58'38.536"W	11000	400
Y Cape Race, CAN	46°46'32.286"N	53°10'27.606"W	25000	500
Z Fox Harbor, CAN	52°22'35.252"N	55°42'27.862"W	38000	900

NOTE: Estimated Groundwave Coverage, actual coverage will vary.

Russian American Loran-C Chain GR1 5980

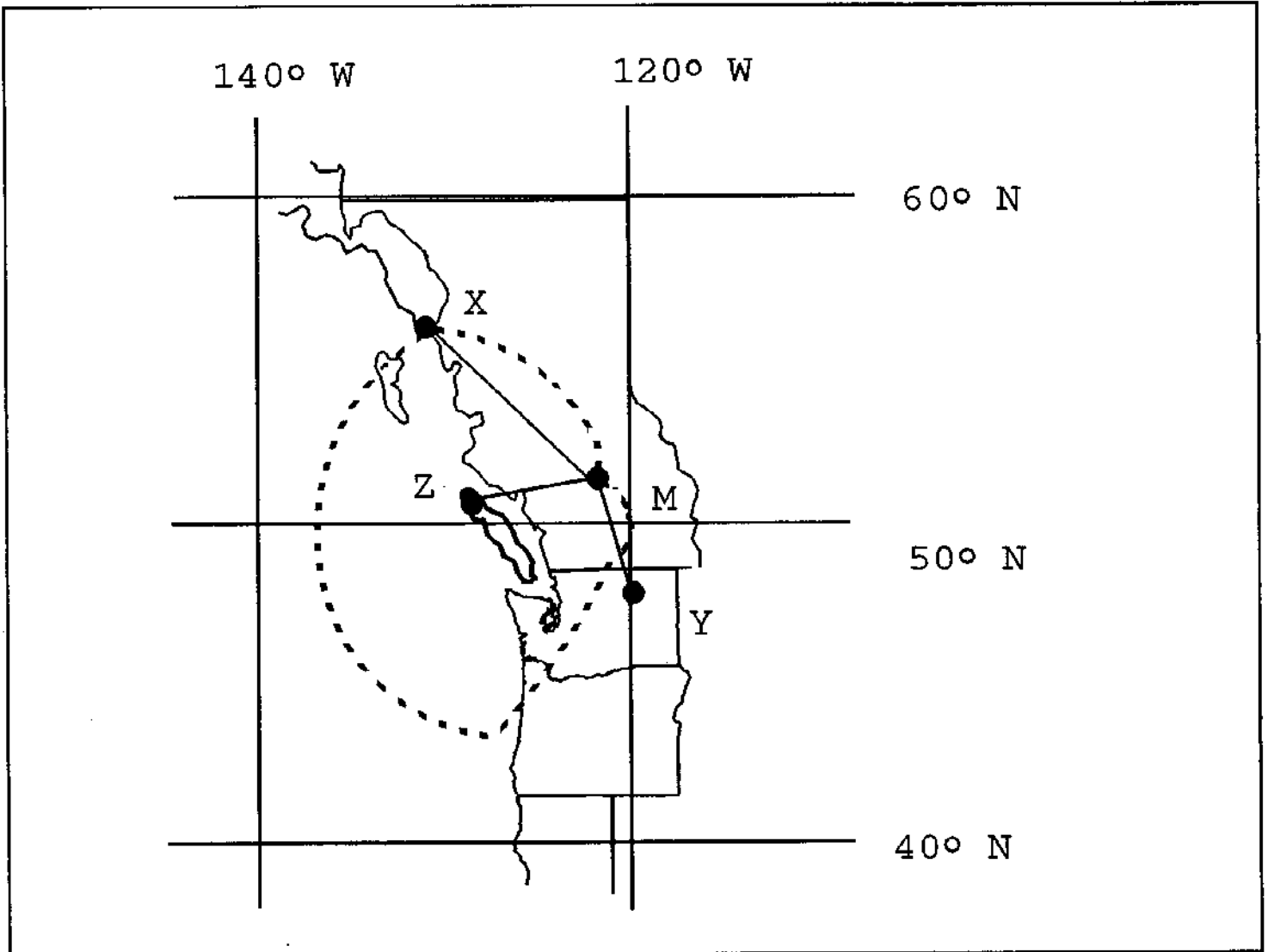


SNR	1:3
Fix Accuracy	1/4 NM (95% 2 dRMS)
Atmospheric Noise	44.4 dB above 1 μ V/m

Transmitter	Coordinates		CD (μ S)	Power (kW)
M Petropavlovsk, CIS	53°07'47.584"N	157°41'42.900"E		700
X Attu, AK, USA	52°49'44.134"N	173°10'49.528 E	11000	400
Y Alexandrovsk, CIS	51°04'42.80" N	142°42'04.95" E	28000	700

NOTE: Estimated Groundwave Coverage, actual coverage will vary.

Canadian West Coast Loran-C Chain GR1 5990

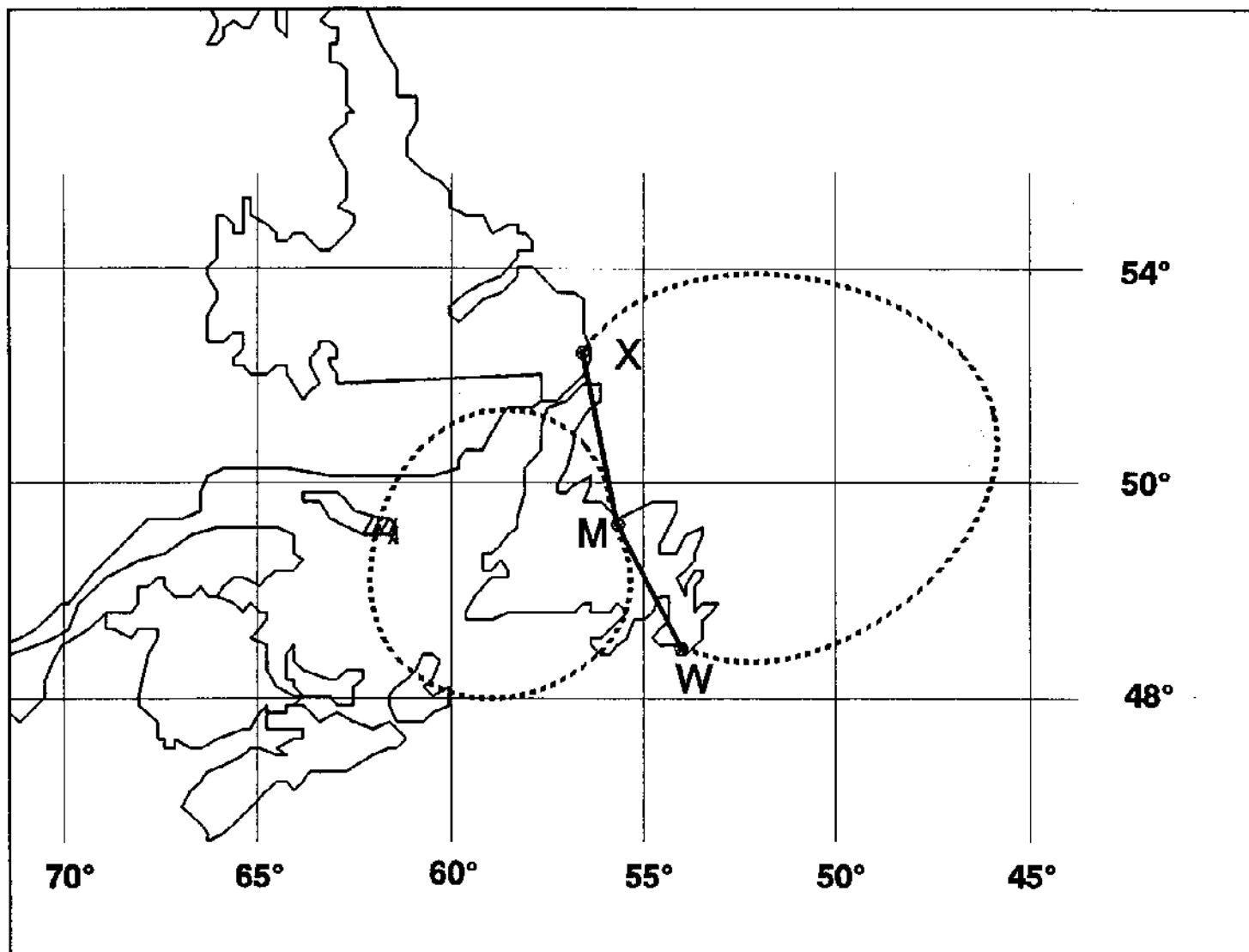


SNR	1:3
Fix Accuracy	1/4 NM (95% 2 dRMS)
Atmospheric Noise	46.4 dB above 1 μ V/m

Transmitter	Coordinates	CD (μ S)	Power (kW)
M Williams Lake, CAN	51°57'58.876"N 122°22'01.686"W		400
X Shoal Cove, AK, USA	55°26'20.940"N 131°15'19.094"W	11000	560
Y George, WA, USA	47°03'48.096"N 119°44'38.976"W	27000	1400
Z Port Hardy, CAN	50°36'29.830"N 127°21'28.489"W	41000	350

NOTE: Estimated Groundwave Coverage, actual coverage will vary.

Newfoundland East Coast Loran-C Chain GR1 7270



SNR	1:3
Fix Accuracy	1/4 NM (95% 2 dRMS)
Atmospheric Noise	44.4 dB above 1 μ V/m

Transmitter	Coordinates		CD (μ S)	Power (kW)
M Comfort Cove, CAN	49°19'53.57" N	054°51'42.57" W		250
W Cape Race, CAN	46°46'32.286"N	053°10'27.606"W	11000	500
X Fox Harbor, CAN	52°22'35.252"N	055°42'27.862"W	25000	900

NOTE: Estimated Groundwave Coverage, actual coverage will vary.