

## Loran C Chain List GPS/WAAS COLOR CHART PLOTTER with FISH FINDER

Model **GP-1871F/GP-1971F**

This leaflet lists LORAN C chains available for use with your GP-1871F/1971F and also provides a brief explanation of the LORAN C chains.

Chain	GRI	Sub
<b>CANADIAN EAST COAST</b>		
Caribou, ME	5930	
Nantucket		X
Cape Race		Y
Fox Harbor		Z
<b>COMMANDO LION</b>		
Pohang	5970	
Gesashi		W
Hokkaido		X
Gwangju		Y
<b>NEWFOUNDLAND EAST COAST</b>		
Comfort Cove	7270	
Cape Race		W
Fox Harbor		X
<b>SOUTHEAST U.S.</b>		
Malone, FL	7980	
Grangeville		W
Raymondville		X
Jupiter		Y
Carolina Beach		Z
<b>NORTHWEST PACIFIC (NEW)</b>		
Niijima	8930	
Gesashi		W
Minamitorishima		X
Tokachibuto		Y
Pohang		Z

Chain	GRI	Sub
<b>GREAT LAKES</b>		
Dana, IN	8970	
Malone		W
Seneca		X
Baudette		Y
Boise City		Z
<b>NORTHEAST U.S.</b>		
Seneca, NY	9960	
Caribou		W
Nantucket		X
Carolina Beach		Y
Dana		Z
<b>NORTH WEST PACIFIC (OLD)</b>		
Iwo Jima, Japan	9970	
Marcus		W
Hokkaido		X
Gesashi		Y
Barrigada		Z

A Loran C transmitter transmits a group of pulses at a specific interval, called "Group Repetition Interval (GRI)". A group of synchronized transmitters having same GRI is called "Chain". The GRI, shown in tenths of a microsecond as a four number sequence, is used as the designation for each "Chain", e.g., "5930" in the above list for CANADIAN EAST COAST.

A Loran C chain is composed of a master (shown as blank in above list) and two or more secondary transmitters (shown as W, X, Y or Z in above list). The master pulse group contains eight pulses spaced 1000 microseconds apart and a ninth pulse 2000 microseconds after the eighth, while the secondary pulse group comprises eight pulses, each spaced 1000 microseconds apart.

Secondary pulse groups are transmitted in W-X-Y-Z sequence, using the delay specified from the master pulse group. The time delay, called coding delay, is so determined that pulse groups from two or more transmitters cannot overlap in time anywhere in the coverage.



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