

# The BC Forest Service Radio Communication Network

The [radioreference.com](https://radioreference.com) site lists the BC Forest Fire Frequencies with very little explanation.



Fortunately, the [BC Provincial Natural Resource](#) page links to the [Radio Communication Field Handbook](#): a 56-page pdf that includes pretty much everything about the system.

The Network comprises of:

- 331 mountain top repeater sites arranged into district systems
- 100 base stations
- 6 regional fire centres (each with multiple dispatch stations)

The information on pages 40-41, and 45 is summarized here:

## Repeaters (require a district tone)

Frequency	Offset	Description	Mode	Label	Tone [Hz]
163.935	-0.870	RED (RD)	FMN	T1	114.8
163.965	-0.870	PURPLE (PU)	FMN	T2	123.0
163.995	-0.870	GREEN (GN)	FMN	T3	131.8
164.055	-0.870	PINK (PK)	FMN	T4	141.3
164.085	-0.870	BLUE (BL)	FMN	T5 <sup>1)</sup>	151.4
164.145	-0.870	ORANGE (OR)	FMN	T6	162.2
164.175	-0.870	BROWN (BR)	FMN	T7	173.8
164.205	-0.870	YELLOW (YL)	FMN	T8	186.2
164.235	-0.870	GREY (GY)	FMN	T9	192.8

Frequency	Offset	Description	Mode	Label	Tone [Hz]
164.265	-0.870	BLACK (BK)	FMN		
162.585	+0.945	WHITE (WH)	FMN		
164.115	-0.870	MAROON (MG)	FMN		
166.335	-1.500	LIME (LM)	FMN		
159.465	-4.500	NAVY (NV)	FMN		
167.670	-4.740	Fire A1	FMN		
166.710	-4.020	Fire A2	FMN		
168.885	-4.980	Fire A3	FMN		

## Simplex (no tone)

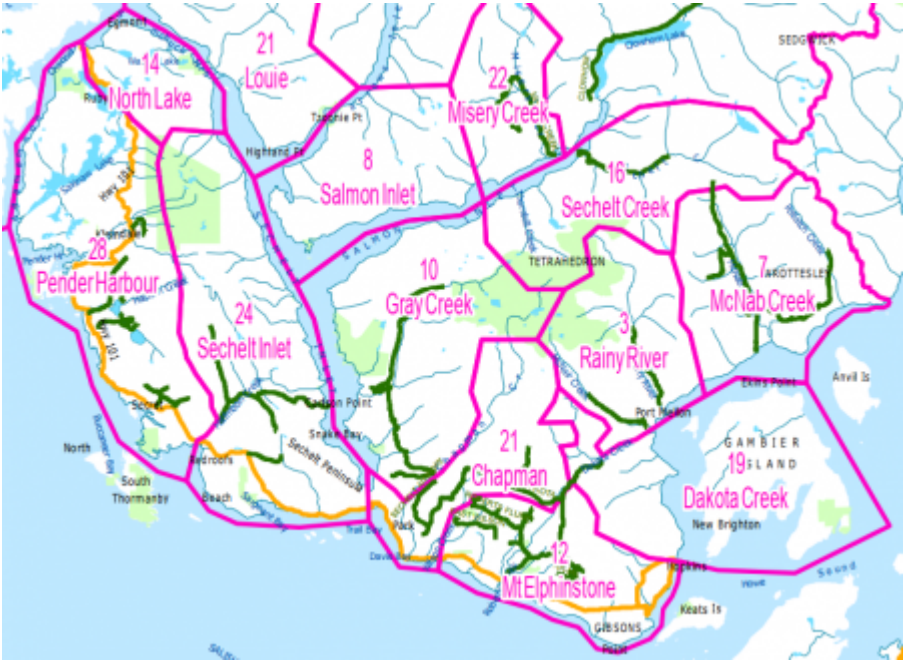
Frequency	Description	Mode
163.830	GOLD	FMN
163.890	SILVER	FMN
164.910	COPPER	FMN
159.270	NICKEL	FMN
163.980	BRONZE	FMN
169.950	FIRE B1	FMN
171.030	FIRE B2	FMN
172.050	FIRE B3	FMN
155.460	Fire Com	FMN

## Air - Ground Frequencies

Frequency	Description	Mode
122.050	1 Project Fires - Rotary	AM
122.400	2 Project Fires - Rotary	AM
122.850	3 Project Fires - Rotary	AM
122.900	4 Project Fires - Rotary	AM

## Resource Road and Highway Channels

It's also probably worth mentioning that the [Resource Road and Highway Channels](#) are explained on pp. 18–21 of the Handbook but the frequencies are not listed there. BC Resource Road Radio Channel Maps can also be found on the [government website](#).



Freq	Tag	Mode	Freq	Tag	Mode
150.080	RR-01	FMN	150.830	RR-20	FMN
150.110	RR-02	FMN	151.010	RR-21	FMN
150.140	RR-03	FMN	151.130	RR-22	FMN
150.185	RR-04	FMN	151.190	RR-23	FMN
150.200	RR-05	FMN	151.220	RR-24	FMN
150.245	RR-06	FMN	151.310	RR-25	FMN
150.260	RR-07	FMN	151.340	RR-26	FMN
150.320	RR-08	FMN	151.370	RR-27	FMN
150.365	RR-09	FMN	151.430	RR-28	FMN
150.410	RR-10	FMN	151.460	RR-29	FMN
150.440	RR-11	FMN	151.490	RR-30	FMN
150.500	RR-12	FMN	151.520	RR-31	FMN
150.530	RR-13	FMN	151.580	RR-32	FMN
150.545	RR-14	FMN	151.610	RR-33	FMN
150.560	RR-15	FMN	151.640	RR-34	FMN
150.590	RR-16	FMN	151.670	RR-35	FMN
150.680	RR-17	FMN			
150.710	RR-18	FMN			
150.770	RR-19	FMN			

1)  
We're in T5