

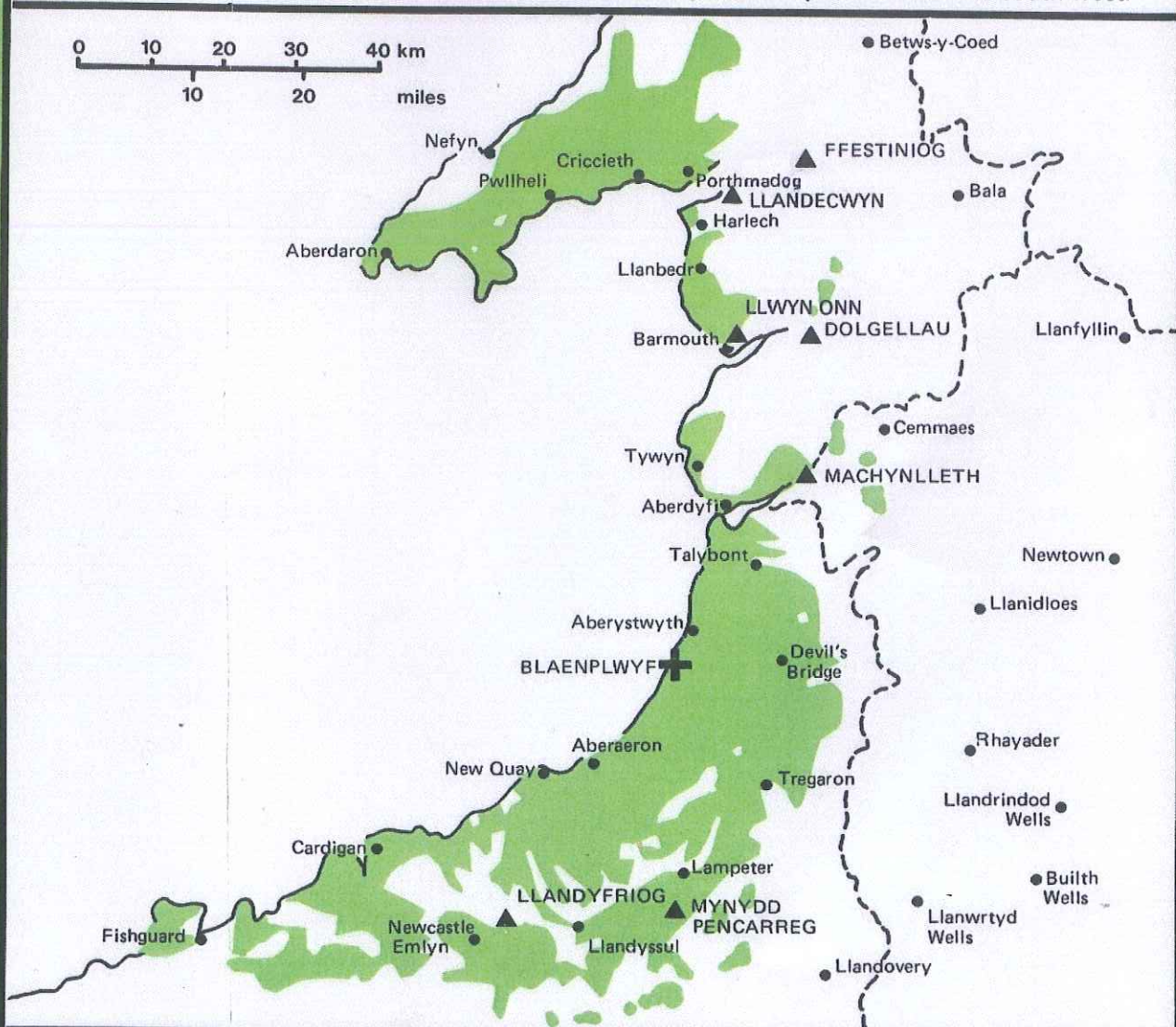


BLAENPLWYF FM RADIO

Radio 1	98.3 MHz
Radio 2	88.7 MHz
Radio 3	90.9 MHz
Radio 4	104.0 MHz
Radio Cymru	93.1 MHz
Power (Max erp)†	250 kW
Polarisation	mixed
Mean ht. of aerial	123m agl, 300m aod
Transmitter site	Blaenplwyf, Dyfed
National Grid Reference	SN 569756
Key : Service area	
	: Relay station 

† The aerial is directional and radiates maximum power north and south west.



The service area corresponds to an average field strength of at least 54 dB (relative to $1\mu\text{V}/\text{m}$) at a height of 10m. The service areas of the relays are not shown but technical details are listed overleaf.

Notes

Sensitive radios may work beyond the boundary shown particularly on high ground. 54 dB field strength produces typically $300\mu\text{V}$ terminated signal using a two element aerial and 15m of coaxial downlead. (A top quality receiver requires $200\mu\text{V}$ for 60 dB S/N.)