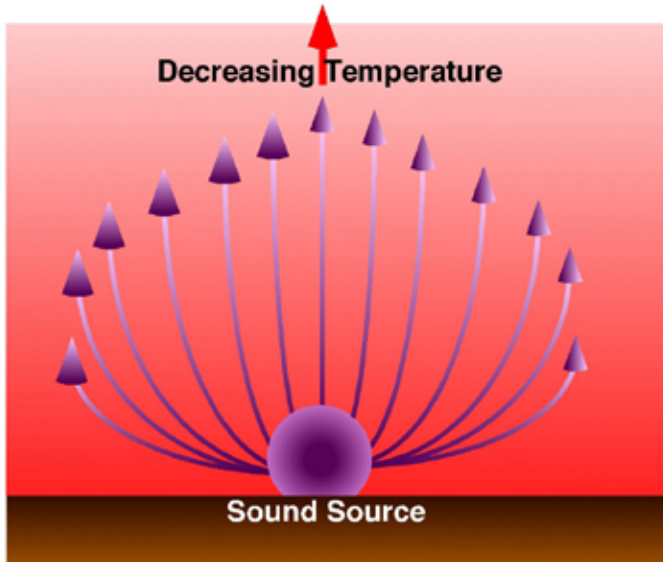
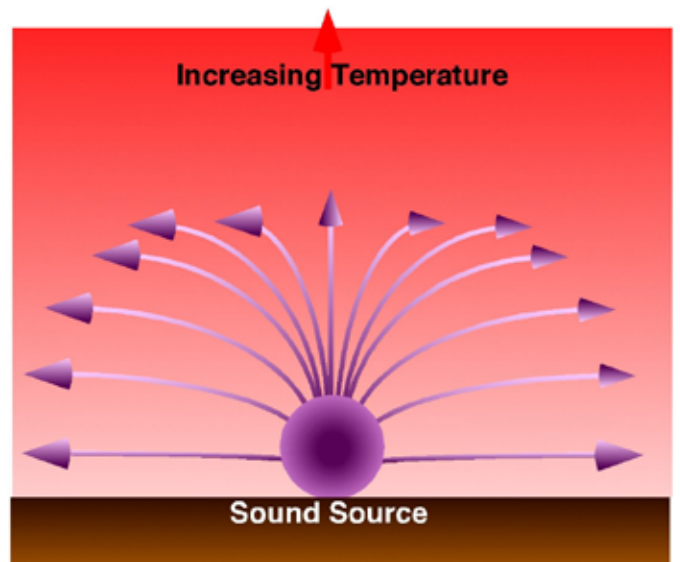


Figure 9-1
THE EFFECTS OF WEATHER ON SOUND PROPAGATION

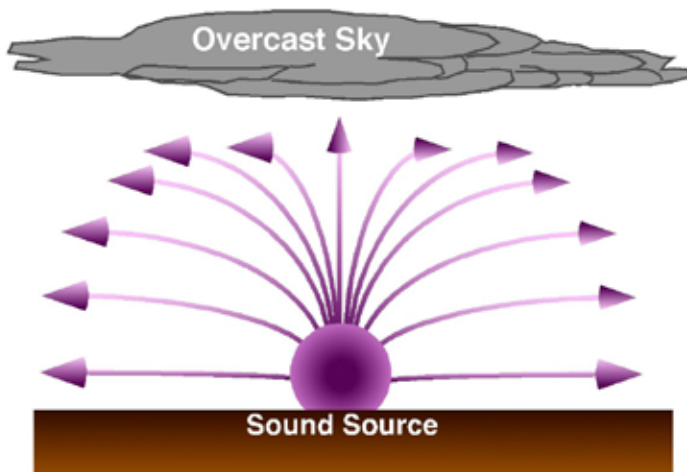
Refraction of sound in an atmosphere with a normal lapse rate. Sound rays are bent upwards.



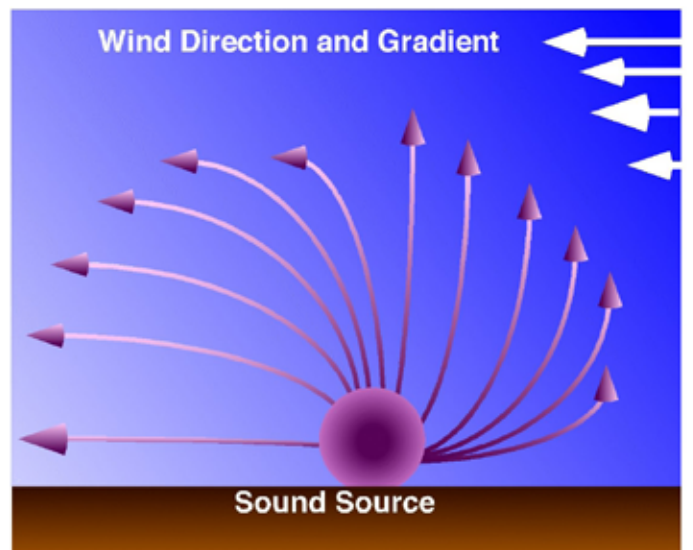
Refraction of sound in an atmosphere with an inverted lapse rate. Sound rays are bent downward.



Refraction of sound in an atmosphere with overcast sky conditions. Sound rays are bent downward.



Refraction of sound in an atmosphere with a wind present. Sound rays are bent in the direction of the wind.



Source: Adapted from Vancouver International Airport, Noise Management Report.