Corrigendum

Acoustic masking in marine ecosystems: intuitions, analysis, and implication

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Mar Ecol Prog Ser 395: 201–222, 2009

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- Fig. 6 erroneously states that the *y*-axis is (171 – *TL*) (dB), where (171 – *TL*) includes the –6 dB of *RD*, but what is plotted is (165 – *TL*). We have corrected the *y*-axis and expanded its notation to be *SL* – *RD* – *TL* (dB). The result is that the sound level at which *SE* = 0 is the point at which the plot crosses the ambient noise level.

  The corrected figure and its caption are provided below.

- Furthermore, on page 211, at the end of the last complete paragraph of the left-hand column, the text for item (3) has been amended for clarification as follows:

  This figure illustrates several important features of communication space: … (3) the importance of *RD* in the calculation of *SE*, in that *RD* is negative when the summation of *DI* and *SG* is greater than *DT*, which leads to a situation in which the signal of interest can be recognized even when the *SNR* is greater than the signal's received level, *RL*, (4) the influence of noise level …

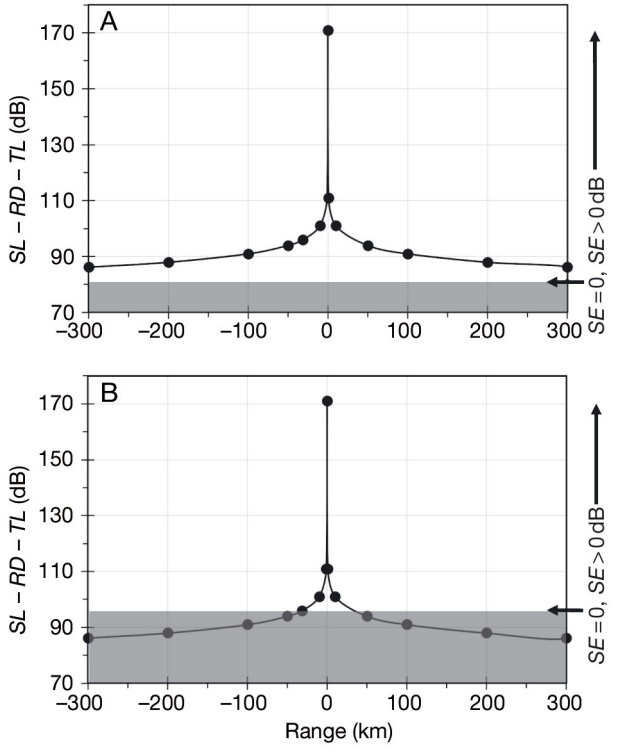

Fig. 6. Examples to illustrate the change in potential communication range for a low-frequency right whale call under 2 different levels of omnidirectional ambient noise (*NL*, shaded) and assuming *SL* = 165 dB, *RD* = –6 dB (*DT* = 10 dB, *SG* = 16 dB and *DI* = 0), *TL* = 20log[range/1m] dB for range ≤ 1 km and *TL* = 60 + 10log[range/1km] dB for range >1 km: (A) *NL* = 81 dB, potential communication range > 300 km, area > 282 000 km^2; (B) *NL* = 96 dB, potential communication range = 32 km, area = 992 km^2. The arrow in the lower right points to the level at which *SE* = 0. Notes: in these examples *RD* is –6 dB, which leads to a 6 dB increase in the effective *SNR*. Absorption is not a factor for the frequencies and ranges considered here