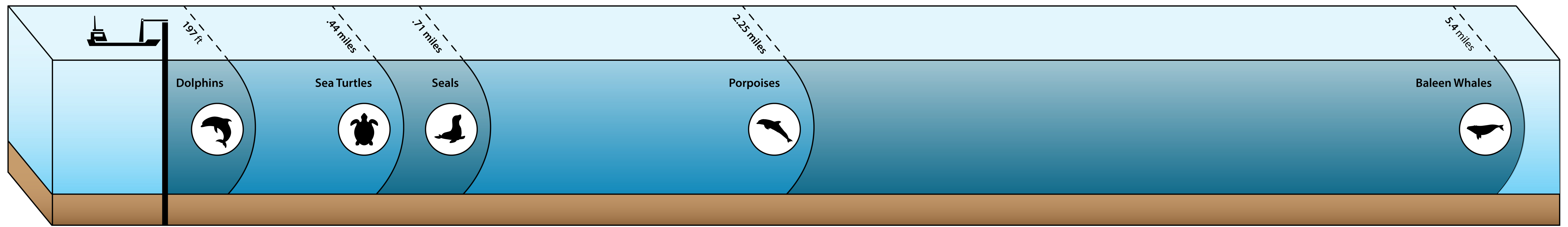


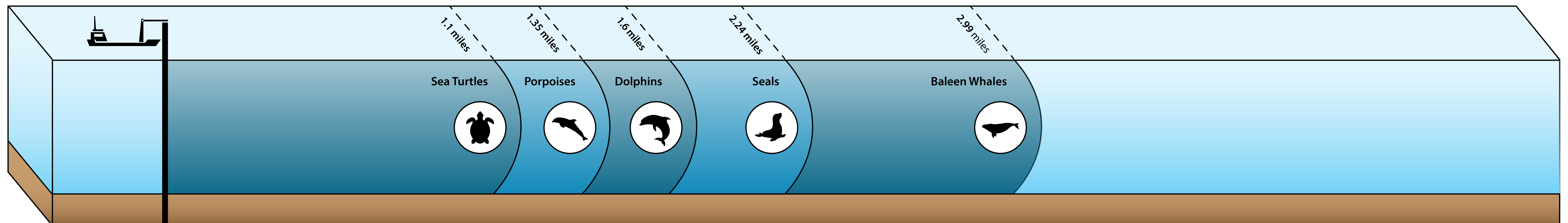


# Impact Distances from Pile Driving Sounds: Monopile Foundations

\* Drawings are not to scale.



Maximum distance for underwater hearing impacts for difficult installation of an 11-meter monopile using an IHC S-4000 impact hammer with 10-dB attenuation



Maximum distance for behavioral impacts for difficult installation of an 11-meter monopile using an IHC S-4000 impact hammer with 10-dB attenuation