



Assessing wild seahorse sounds in Brazil

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Seahorses are known to produce sounds in several behavioural contexts and, due to their singular morphology, life history and behaviour, may provide an opportunity to assess fish acoustic behaviour from a unique perspective. Here we provide the first assessment of sound production of wild populations of a seahorse species, the longsnout seahorse *Hippocampus reidi*. Data were gathered at three North-eastern Brazilian estuaries, through underwater observations and simultaneous audio-video recordings. We describe spectral and temporal characteristics and production rate of clicks - during feeding events and, for the first time, during an agonistic male-male encounter – and growling sounds, which were recorded when animals were handpicked and handheld. Size and sex differences in sound production were also evaluated.

Keywords: Behavioural ecology