## The effect of anthropogenic noise on freshwater soundscapes and animal communication Jess Lister<sup>1\*</sup>

Supervised by Jennifer Dodd<sup>1</sup> Iain McGregor<sup>1</sup> Craig Macadam<sup>2</sup> Matt Wale<sup>1</sup> \* - jess.lister@napier.ac.uk | 1 - Centre for Conservation & Restoration Science, School of Applied Sciences, Edinburgh Napier University | 2 – Buglife, Scotland

- Despite covering only 0.8% of the Earth's surface, freshwater ecosystems (such as rivers and lakes) contain 9.5% of described species (Dudgeon et al., 2006).
- In a review of 267 papers on the effect of anthropogenic noise on wildlife, only 0.4% studied freshwater species (Jerem and Mathews, 2021).
- Insects account for 97% of animal species, yet only 4% of studies investigating of the effects of

anthropogenic noise focused on this group (Jerem and Mathews, 2021).



- Find out how traffic noise affects female attraction to males

## IMPACT

A better understanding of the role noise plays in freshwater systems



- Increased insight into the mating ecology of an important indicator species group
- Explore how anthropogenic noise affects an understudied group and an understudied ecosystem

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