

## MN (Minor) *Osteopilus septentrionalis*

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| <b>Date assessed</b>                      | 2021-03-26  |
| <b>Year published</b>                     | 2022  |
| <b>Eicat category</b>                     | MN (Minor)  |
| <b>Justification for EICAT assessment</b> | <i>Osteopilus septentrionalis</i> consume invertebrate and other prey (Smith 2005a; Owen 2005; Wyatt and Forsys 2004; Meshaka 1994), and impact native species through competition, which affects the performance of the natives by inhibiting their growth and development as well as reducing their survivorship (Johnson 2007; Smith 2005b; Tennessen et al. 2014; 2016). They have also been shown to reduce the growth rate of snakes that eat them (Goetz et al. 2018).   |
| <b>Confidence rating</b>                  | Low   |
| <b>Mechanism(s) of maximum impact</b>     | Predation; Poisoning/ toxicity; Competition   |
| <b>Countries of most severe impact</b>    | U.S.A.  |
| <b>Description of impact</b>              | Predation - <i>Osteopilus septentrionalis</i> tadpoles are reported to reduce the survivorship of heterospecific tadpoles in shared ponds;<br>Poisoning/ toxicity - <i>Osteopilus septentrionalis</i> is toxic to native predators and predation on this invasive can result in the reduction of growth.; Competition - <i>Osteopilus septentrionalis</i> tadpoles inhibited the growth and development of native tadpoles. Adults alter acoustic environments and impacts acoustic behaviour of native amphibian species as well as masks the calls of natives |
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| <b>Reviewers</b>                          | EICAT authority   |
| <b>Recommended citation</b>               | Sabrina Kumschick; Nitya Prakash Mohanty; Corey Thorp; Carla Wagener. (2025). <i>Osteopilus septentrionalis</i> . <a href="#">IUCN Environmental Impact Classification for Alien Taxa (EICAT)</a> .   |

