

**MO (Moderate)** *Lithobates catesbeianus*

<b>Date assessed</b>	2020-09-01
<b>Year published</b>	2022
<b>Eicat category</b>	MO (Moderate)
<b>Justification for EICAT assessment</b>	Several studies has shown that the presence of <i>Lithobates catesbeiana</i> tadpoles replaced or reduced the abundance of local tadpoles through competition (Kupferberg,1997; Laufer et al. 2008; Gobel et al. 2019). The presence of <i>Lithobates catesbeiana</i> was also shown to reduce the developmental stage and size and ultimately fitness of local tadpoles (Hale et al. 2017). The presence of <i>L. catesbeiana</i> adults and tadpoles had a significant impact on the rowth, development, and survivorship of <i>R. aurora</i> (D'Amore et al. 2009). Evidence was found that all stages (Tadpoles, postmetamorphs, juveniles and adults) of <i>L. catesbeiana</i> preyed on local amphibians (Hossack et al. 2017) and the presence of adult <i>L. catesbeiana</i> resulted in a significant decrease of local frog abundance (Liu et al. 2015).
<b>Confidence rating</b>	High
<b>Mechanism(s) of maximum impact</b>	Predation; Competition
<b>Countries of most severe impact</b>	U.S.A.; Uruguay; China
<b>Description of impact</b>	Predation - All developmental stages was shown to prey on the native fauna which lead to a reduction in the abundance of native fauna; Competition - <i>L. catesbeiana</i> tadpoles has a significant negative affect on the size, developmental stage and biomass of native frogs. In certain areas the <i>L. catesbeiana</i> tadpoles replaced all the native tadpoles
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<b>Reviewers</b>	EICAT authority
<b>Recommended citation</b>	Nitya Prakash Mohanty; Carla Wagener; F. André de Villiers. (2025). <i>Lithobates catesbeianus</i> . <a href="#">IUCN Environmental Impact Classification for Alien Taxa (EICAT)</a> .

