



- [Credits](#)
- [Staff](#)
- [Home](#)

Your path: [Home \(Public domain\)](#) >> [Introduction events' accounts](#) >> [Introduction event account](#)

## Public domain

[Home](#)[Species accounts](#)[List of species](#)[Introduction events' accounts](#)[Ports](#)[Data coverage](#)[Search](#)

## Options

[Go to top](#)[Species / Date](#)[Regions](#)[Pathway / Vector](#)[Environmental conditions](#)[Traits in recipient region](#)[Statuses](#)

## Public domain: Introduction event account

SPECIES / DATE

Species [Dreissena bugensis](#)

Date of the first record [\(?\)](#) 2020 - 2021

### References:

[Baars, J.R., Caplice, M.B., Flynn, O., O'Leary, K., Swanwick, H. and Minchin, D., 2022. The Ponto-Caspian quagga mussel, \*Dreissena rostriformis bugensis\* Andrusov, 1897, is established in Ireland. \*BioInvasions Records\*, 11.](#)

### Comments:

The quagga mussel *Dreissena rostriformis bugensis* was identified in a horizon scan of species likely to arrive in Ireland. We report on the first records of this dreissenid from two lakes, a reservoir and interconnecting navigable river sections on Ireland's largest river, the Shannon, during July 2021. The abundance in Lough Ree was greater than in the larger downstream lake of Lough Derg. Specimens occurred to depths of 24 m and 32 m in each of these lakes respectively. Highest densities were in the southern region of Lough Ree attached to piles supporting floating pontoons and quay walls.

REGIONS

Recipient region [\(?\)](#)

Country: Ireland

LME: 24. Celtic-Biscay Shelf

LME sub-region: Celtic seas

### References:

[Baars, J.R., Caplice, M.B., Flynn, O., O'Leary, K., Swanwick, H. and Minchin, D., 2022. The Ponto-Caspian quagga mussel, \*Dreissena rostriformis bugensis\* Andrusov, 1897, is established in Ireland. \*BioInvasions Records\*, 11.](#)

### Comments:

Overland spread could also facilitate the colonisation of *D. rostriformis bugensis* in the upper reaches of estuaries where salinities do not exceed between 1 and 5 (Spidle et al. 1994)

Source region (2)	Not entered
PATHWAY / VECTOR	
Pathway / Vector (2)	Level of certainty: Possible
	Pathway: Vessels
	Vector: Ballast water
	Vector: Ship's hull
	<b>References:</b> <a href="#">Baars, J.R., Caplice, M.B., Flynn, O., O'Leary, K., Swanwick, H. and Minchin, D., 2022. The Ponto-Caspian quagga mussel, Dreissena rostriformis bugensis Andrusov, 1897, is established in Ireland. BioInvasions Records, 11.</a>
	<b>Comments:</b> More recently, it has been shown wet surfaces may be capable of transferring the veliger stage (Choi et al. 2013), this could result in additional vectors being involved in further spread such as angling equipment (Mueting et al. 2011) including waders (Aldridge et al. 2014).
ENVIRONMENTAL CONDITIONS IN RECIPIENT REGION	
Habitat type (2)	Drain Lake River
	<b>References:</b> <a href="#">Baars, J.R., Caplice, M.B., Flynn, O., O'Leary, K., Swanwick, H. and Minchin, D., 2022. The Ponto-Caspian quagga mussel, Dreissena rostriformis bugensis Andrusov, 1897, is established in Ireland. BioInvasions Records, 11.</a>
	<b>Comments:</b> The abundance in Lough Ree was greater than in the larger downstream lake of Lough Derg. Specimens occurred to depths of 24 m and 32 m in each of these lakes respectively. Highest densities were in the southern region of Lough Ree attached to piles supporting floating pontoons and quay walls.
Wave exposure (2)	Not entered
Salinity range (2)	Venice system: 1. Limnetic [<0.5psu]
	<b>References:</b> <a href="#">Baars, J.R., Caplice, M.B., Flynn, O., O'Leary, K., Swanwick, H. and Minchin, D., 2022. The Ponto-Caspian quagga mussel, Dreissena rostriformis bugensis Andrusov, 1897, is established in Ireland. BioInvasions Records, 11.</a>
Temperature range (2)	Not entered
TRAITS IN RECIPIENT REGION	
Zonation / Substratum (2)	Not entered
Reproductive duration (2)	Not entered
Reproductive seasonality (2)	Not entered
Migration pattern (2)	Not entered
STATUSES	
Population status (2)	Common (Moderate level of certainty)
	<b>References:</b> <a href="#">Baars, J.R., Caplice, M.B., Flynn, O., O'Leary, K., Swanwick, H. and Minchin, D., 2022. The Ponto-Caspian quagga mussel, Dreissena rostriformis bugensis Andrusov, 1897, is established in Ireland. BioInvasions Records, 11.</a>
	<b>Comments:</b> Highest densities were in the southern region of Lough Ree attached to piles

supporting floating pontoons and quay walls. Here *D. r. bugensis* outnumbered the *D. polymorpha* present. It was present at lower densities downstream to Lough Derg and the Parteen Reservoir.

**Species status** [\(?\)](#)

Non-indigenous species

**References:**

[Baars, J.R., Caplice, M.B., Flynn, O., O'Leary, K., Swanwick, H. and Minchin, D., 2022. The Ponto-Caspian quagga mussel, \*Dreissena rostriformis bugensis\* Andrusov, 1897, is established in Ireland. \*BioInvasions Records\*, 11.](#)

**RECORD HISTORY**

**Created by**

Sergej Olenin, 2022-02-02

Copyright © 2012 onwards - AquanisResearch

Support: FP7-ENVIRONMENT VECTORS