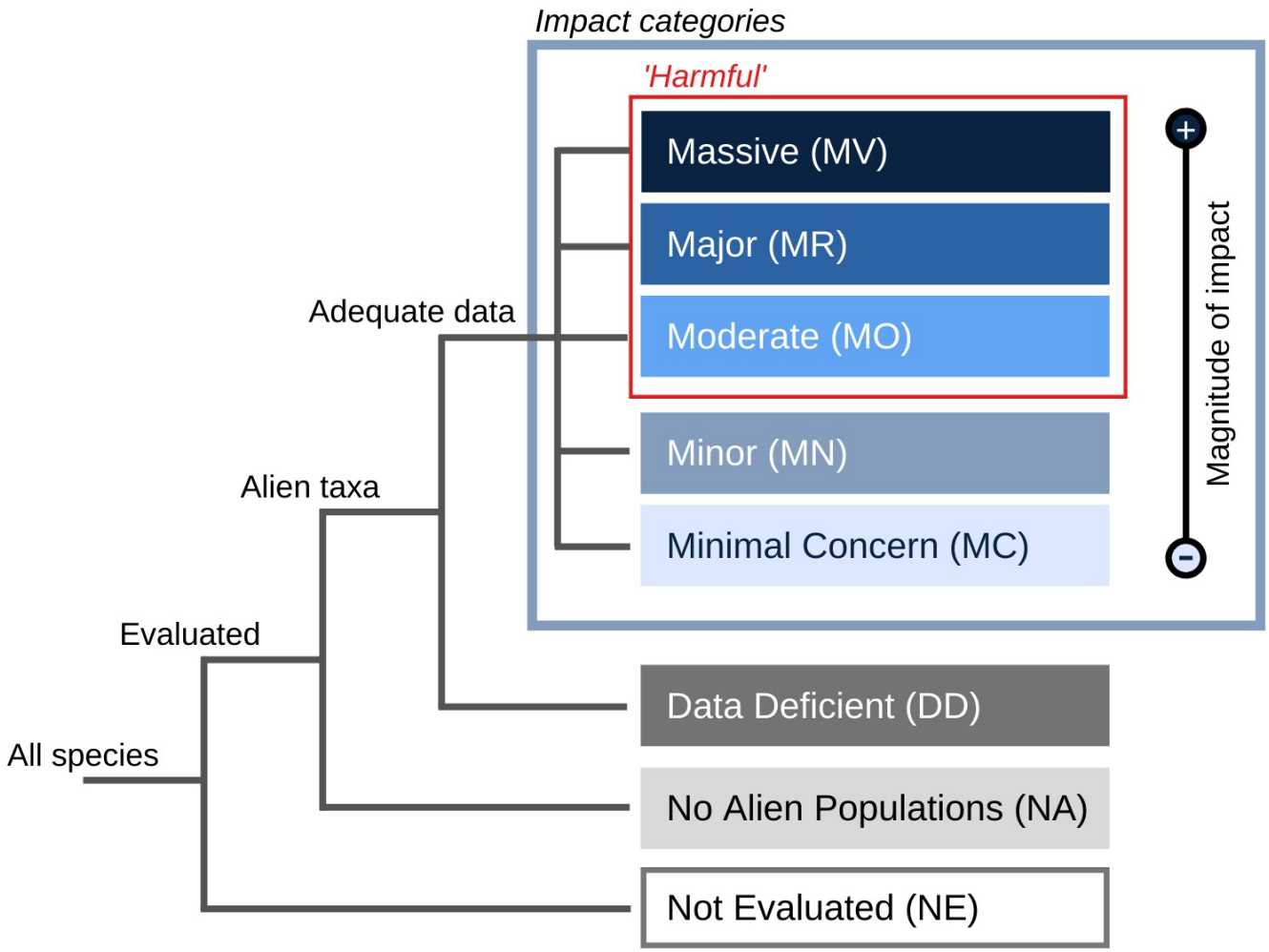
GLOBAL INVASIVE SPECIES DATABASE

EICAT profile: ***Urosalpinx cinerea***

MO (Moderate)Urosalpinx cinerea

Date assessed	2023-09-26
Year published	
Eicat category	MO (Moderate)
Justification for EICAT assessment	Within Great Britain, U. cinerea was observed to outcompete native oyster drill (Ocenebra erinacea) (Cole 1942). As a result of being able to replace native species, a moderate impact score was given. In Willapa Bay, U. cinerea was observed to feed on native Olympic Oyster (Ostrea lurida) where introduced Pacific Oyster (Crassostrea gigas) population was are absent (Buhle and Ruesink 2009). As a result of change in native population (Kimbro et al. 2009), a MO impact score was given.
Confidence rating	Medium
Mechanism(s) of maximum impact	Competition; Predation
Countries of most severe impact	United Kingdom; U.S.A.
Description of impact	Predation on native Ostrea edulis by U. cinerea was found in Great Britain but data was insufficient enough to indicate invasive presence as a threat to native species resulting in a MC score, however when it came to competition, U. cinerea was found to outcompete Ostrea edulis resulting in a MO score. Urosalpinx cinerea has been observed to be a major predator on Olympia Oysters (Ostrea lurida) in Tomales Bay, however evidence found was not enough to indicate native species were threatened by invasive species resulting in a MC score. In contrast, another paper from Tomales Bay found predation on native Ostrea lurida and Acanthinucella spirata by invasive U. cinerea where larger native crabs were not observed. Evidence showed decline in population, but was not on the verge of extinction, resulting in a MO score. Urosalpinx cinerea has also been found to be a major predator to Ostrea lurida in Washington, where invasive oysters were absent, resulting in the change in populations. As a result of change in native population, a MO impact score was given.
Assessor	Amy Henry
Contributors	Cascade Sorte
Reviewers	EICAT authority
Recommended citation	Amy Henry. (2026). *Urosalpinx cinerea* . IUCN Environmental Impact Classification for Alien Taxa (EICAT).


Impact categories
'Harmful'
Massive (MV)
Major (MR)
Moderate (MO)
Minor (MN)
Minimal Concern (MC)
Magnitude of impact
Adequate data
Alien taxa
Evaluated
All species
Data Deficient (DD)
No Alien Populations (NA)
Not Evaluated (NE)