GLOBAL INVASIVE SPECIES DATABASE

EICAT profile: ***Littorina saxatilis***

DD (Data Deficient)Littorina saxatilis

Date assessed	2023-09-26
Year published	2023
Eicat category	DD (Data Deficient)
Justification for EICAT assessment	There have not been studies regarding the impacts of Littorina saxatilis in San Francisco Bay or other invaded regions but it has the potential to outcompete the native Northeast Pacific periwinkles due to its large size and durability under a large range of conditions. Due to this potential and lack of information the DD-Data deficient EICAT Category was assigned.
Confidence rating	
Mechanism(s) of maximum impact	Competition
Countries of most severe impact	U.S.A.
Description of impact	L. saxatilis is of concern because of its competitive habits with native periwinkles. L. saxatilis has the largest habitat range when compared to other Littorina species and is capable of surviving in a wide range of environmental conditions. In addition, in November 1996 no native periwinkles were found when L. saxatilis was present which, has led to the conclusion that a possible competitive component is taking place. However, actual competitive interaction are yet to be studied.
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Reviewers	Wolfgang Rabitsch
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