

Generalitat de Catalunya Departament de Territori i Sostenibilitat



## Naiads and fish, coupled destiny: the case of basins of north-eastern Catalonia.

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## **AREA OF STUDY**

In north-eastern Catalonia, several isolated populations of *Unio mancus*, *Unio ravoisieri*, *Potomida littoralis and Anodonta anatina* remains, despite the wide and big decline that these species have suffered during the second half of the XX century. They are present in different types of water masses: rivers, streams, diverting or draining channels, and a karstic lake (Banyoles Lake), from 250 to 0 MASL.









	Interpretation		NATIVE NAIADS: PRESENT STATUS				
			Recently extinct	Meager population	No recruitment	Low recruitment	Normal recruitment
	NITY INTEGRITY	No fish	Extinct due to native fish desaparition, or to	Naiad populations damned to vanish, unless an immediate recovery of fish community is produced.		Naiad populations probably damned to a drastic regression, unless a immediate recovery of fish community is produced. Some doubts about response of <i>A. anatina</i> , wich may have an unknown host fish (non native).	
		Non native host fish	affecting both communities synergically				
		Only 1 native host fish sp.	Extinct due to any unknown factor/s, and most with recent recovery of fish community	Uncertain tene recovery of populations, a	decy; possible some naiad ssociated to an	Naiad populations mostly sure, and even some recovering from a worst former status, thanks to of	
	FISH	> 1 native host fish sp.		eventual recent recovery of fish community integrity.		fish; anyway, some of them maybe on slight decline.	

These results emerge from

projects: Projecte Estany

LIFE Potamo Fauna (LIFE12

NAT/ES/001091), and other

smaller projects funded by

local and regional

several

(LIFE08

conservation

NAT/E/000078),



