Marine & Freshwater Research

Volume 58 • Issue 9 • 2007 10.1071/MFv58n9toc



Cover

Newton *et al.* (p. 843) investigated the distribution and diversity of ascidians on subtidal rocky reefs in the Port Stephens—Great Lakes Marine Park, Australia. Ascidian assemblages were highly variable between reef sites and exposures, and between depth zones within reefs, indicating that numerous subtidal reefs may need to be protected for the marine park to adequately represent the area's biodiversity.



Sánchez and Angeler (p. 827) assessed the structuring role of the fairy shrimp *Branchinecta orientalis* on temporary wetland zooplankton. They found that the high degree of environmental variability between the studied wetlands complicated the detection of fairy shrimps effects, and suggested alternative experimental approaches for revealing their keystone species role.

CONTENTS

Queensland, Australia	
G. Douglas, M. Palmer, G. Caitcheon and P. Orr	793
Effects of reach-scale canopy cover on trophic pathways of caddisfly arvae in a Japanese mountain stream	011
H. Doi, Y. Takemon, T. Ohta, Y. Ishida and E. Kikuchi	811
The significance of denitrification in relation to external loading and nitrogen retention in a mountain reservoir	
P. Koszelnik, J. A. Tomaszek and R. Gruca-Rokosz	818
Can fairy shrimps (Crustacea: Anostraca) structure zooplankton communities in temporary ponds?	
B. Sánchez and D. G. Angeler	827
is the species composition of rocky intertidal invertebrates across a biogeographic barrier in south-eastern Australia related to their potential for dispersal?	
E. Z. Hidas, T. L. Costa, D. J. Ayre and T. E. Minchinton	835
Spatial patterns of ascidian assemblages on subtidal rocky reefs in the Port Stephens–Great Lakes Marine Park, New South Wales	
K. L. Newton, B. Creese and D. Raftos	843
Variable growth band deposition leads to age and growth uncertainty in the western wobbegong shark, <i>Orectolobus hutchinsi</i>	
I. A. Chidlow, C. A. Simpfendorfer and G. R. Russ	856
Spatial and temporal variation in the structure of estuarine macroinvertebrate assemblages: implications for assessing the health of estuaries	
4. J. Hirst and R. Kilpatrick	866

EARLY ALERT Sign-up at **www.publish.csiro.au/journals/mfr** for our electronic early alert and receive the next table of contents weeks in advance of the print version