

BIOLOGY AND ENVIRONMENT

CONTENTS

- i **In this issue**
Bruce Osborne
- 83 **Developing status tests for selected Irish groundwater-dependent terrestrial ecosystem (GWDTE) types as part of groundwater body status assessment under the EU Water Framework Directive**
Sarah Kimberley and Catherine Coxon
- 97 **Are Ireland's reintroduced *Pinus sylvestris* forests floristically analogous to their native counterparts in oceanic north-west Europe?**
Jenni R. Roche, Fraser J.G. Mitchell, Stephen Waldren and Jørn E. Bjørndalen
- 115 **Population status and factors affecting the productivity of peregrine falcon *Falco peregrinus* in County Wicklow, Ireland, 2008–2012**
Brian J. Burke, Damian Clarke, Ann Fitzpatrick, Tim Carnus and Barry J. McMahon
- 125 **Short Communication: Behaviour of sea lamprey (*Petromyzon marinus* L.) at man-made obstacles during upriver spawning migration: use of telemetry to assess efficacy of weir modifications for improved passage**
Seán M. Rooney, Glen Wightman, Ruairi Ó'Conchúir and James J. King
- 137 **Short Communication: Historical change in the European eel population in the Foyle estuary, Northern Ireland**
J. Barry, K.J. Bodles, P. Boylan and C.E. Adams