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<u>Tufa. An overlooked biodiversity & geomorphological feature in lowland rivers</u>

Microhabitat characteristics influencing young-of-the-year fish

assemblages in backwaters of the River Avon

J. GRAHAM¹, C. TERO¹, M. PARR¹

1 Environment Agency

1 Wessex Chalk Stream Rivers Trust

L. J. REYNOLDS¹

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9	Methodological intercomparison of English and Scottish assessments of WFD hydromorphological status classifications R. GREEN ¹ 1 Arup
10	What a load of rubbish! The ecological effects of anthropogenic litter in rivers H. WILSON ¹ , M. F. JOHNSON ¹ , M. P. EICHHORN ² 1 University of Nottingham, 2 University College Cork
11	Riverlands R. HIGGS ¹ , A. SCARR ² 1 National Trust, 2 Environment Agency
12	Slowing-the-flows: Post-forestry blanket bog restoration on the North York Moors H. LEHNHART-BARNETT ¹ , R. C. CHIVERRELL ¹ 1 University of Liverpool
13	Solva Natural Flood Management Scheme M. REES ¹ , G. RICHARDS ¹ , A. THOMAS ¹ 1 Natural Resources Wales
14	The role of large infrastructure projects in working towards WFD objectives L. FODEN ¹ 1 Arup
15	Quantifying NFM performance on Swindale Beck using gauge data from the site G. L. HERITAGE ¹ , L. SCHOFIELD ² 1 AquaUoS – University of Salford, 2 RSPB
16	A new typology of catchment complexity for England and Wales E. L. HEASLEY ¹ , N. J. CLIFFORD ² , J. D. A. MILLINGTON ¹ , M. A. CHADWICK ¹ 1 King's College London, 2 Loughborough University
17	Evaluating and delivering fish passage improvement measures at tidal pointing doors on the River Ancholme at South Ferriby R. JENNINGS ¹ , K. MURPHY ² , M. CRABBE ¹ , J. STEBBINGS ² 1 JBA Consulting, 2 Environment Agency
	Vegetated MSE wall system as a replacement for traditional hard

revetments

J. DEW¹, P. WELLER¹

1 Five Rivers Environmental Contracting

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19	The Where, What, When of Monitoring Natural Flood Management Measures K. TEAKLE ¹ 1 Katherine Colby Hydrologists
20	Reconciliation Ecology: Maximising biodiversity in agricultural areas K. J. GETHING ¹ , S. LITTLE ² 1 Loughborough University, 2 Nottingham Trent University
21	Pollinator enhancement sites in Lincs & Northants Area C. TERO ¹ , N. LOVEDAY ¹ , J. STEBBINGS ¹ , J. GRAHAM 1 Environment Agency
22	In-catchment sediment management in St Lucia N. J. NINEHAM ¹ , D. OCIO ¹ 1 Mott MacDonald
23	A compensation of twaite shad run estimates based on resistivity counter and citizen sciences observations C. CRUNDWELL ¹ , K. TWINE ¹ , T. COE ² 1 Environment Agency, 2 Fishtek Consultation
24	Wyke Beck Valley partnership, Leeds G. SMITH ¹ 1 Yorkshire Wildlife Trust
25	Effect of upper channel WDD placements on local flow field and sediment transport E. M. FOLLETT ¹ , D. FURNUES ¹ , C. A. WILSON ¹ 1 Cardiff University
26	Healthy rivers, healthy communities K. J. LUNDBERG ¹ , S. DALZIEL ¹ 1 SEPA
27	The long-term geomorphological impact of Natural Flood Management J. M. WOLSTENHOLME ¹ , C. J. SKINNER ¹ , D. R. PARSONS ¹ 1 University of Hull

Rehabilitation of heavily modified chalk-influenced watercourses in the Anglian region

R. BREAKSPEAR¹, A. BROOKS¹, R. COPE², G. WHITFIELD¹
1 Wood Environment and Infrastructure Solutions UK Ltd, 2 Anglian Water

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29	Using unmanned aerial vehicles (UAVs) to support the evidence base for Natural Flood Management and soil conservation M. ROBERTSON ¹ , I. MADDOCK ¹ , A. OSBALDISTON ² 1 University of Worcester, 2 Environment Agency
30	Implications for river management of channel change over the last 150 years S. E. REGAN ¹ , J. HOOKE ¹ , H. G. SMITH ² 1 University of Liverpool, 2 Landcare Research, NZ
31	A 3D numerical model of climate change influences on vegetation-flow dynamics controlling river flooding S. D. A. CLARK ¹ , J. R. COOPER ¹ , P. RAMESHWARAN ² , J. HOOKE ¹ 1 University of Liverpool, 2 Centre for Ecology and Hydrology
32	SmartRiver: Leveraging the Internet of Things to assess the effectiveness of Natural Flood Management and its co-benefits S. BURKE ¹ 1 AmbioTEK Community Interest Company
33	Pymmes Brook Renaturalisation T. J. STYLES ¹ , R. THOMAS ¹ , E. GARDNER ¹ , T. CHISNALL ¹ 1 Arup
34	CrowdWater: citizen scientists can help us collect hydrological data J. ENGLAND ¹ , I. van MEERVELD ² , S. ETTER ² , B. STROBL ² 1 Environment Agency, 2 University of Zurich
35	Investigating swales, grass and cultivated buffer strips, and riparian woodland as barriers to pesticide and sediment run-off S. ROY ¹ , P. DUFFELL ¹ , C. COOK ¹ , J. DONOVAN ² 1 Wood, 2 Thames Water
36	A pragmatic approach to evaluating the impact of woodland creation on slowing the flow R. HAW¹ 1 Envireau Water
37	Application of 2D hydrodynamic modelling for assessing the effectiveness of Natural Flood Management (NFM) at a catchment scale M. P. UNDERWOOD ¹ 1 Envireau Water

River Restoration and Biodiversity - update on the IUCN(UK) project

J. ENGLAND¹, A. TREE², S. HEARN³, M. JANES⁴

1 Environment Agency, 2 Scottish Natural Heritage, 3 Natural Resources Wales, 4 River Restoration Centre

River Prize Finalist – New Forest Wetlands, Hampshire

River Prize Finalist – River Bulbourne, Hertfordshire

A1 River Prize Finalist – River Nairn, Scottish Highlands

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