

Managing River Catchments

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[1]

Alfieri, L. et al. 2017. Global projections of river flood risk in a warmer world. *Earth's Future*. (Jan. 2017). DOI:<https://doi.org/10.1002/2016EF000485>.

[2]

Arnell, N.W. et al. 2015. The implications of climate change for the water environment in England. *Progress in Physical Geography*. 39, 1 (Feb. 2015), 93–120. DOI:<https://doi.org/10.1177/0309133314560369>.

[3]

Ashmore, P. 2015. Towards a sociogeomorphology of rivers. *Geomorphology*. 251, (Dec. 2015), 149–156. DOI:<https://doi.org/10.1016/j.geomorph.2015.02.020>.

[4]

Beechie, T. and Imaki, H. 2014. Predicting natural channel patterns based on landscape and geomorphic controls in the Columbia River basin, USA. *Water Resources Research*. 50, 1 (Jan. 2014), 39–57. DOI:<https://doi.org/10.1002/2013WR013629>.

[5]

Beechie, T.J. et al. 2010. Process-based Principles for Restoring River Ecosystems. *BioScience*. 60, 3 (Mar. 2010), 209–222. DOI:<https://doi.org/10.1525/bio.2010.60.3.7>.

[6]

Beechie, T.J. et al. 2010. Process-based Principles for Restoring River Ecosystems. *BioScience*. 60, 3 (Mar. 2010), 209–222. DOI:<https://doi.org/10.1525/bio.2010.60.3.7>.

[7]

Belletti, B. et al. 2015. A review of assessment methods for river hydromorphology. *Environmental Earth Sciences*. 73, 5 (Mar. 2015), 2079–2100. DOI:<https://doi.org/10.1007/s12665-014-3558-1>.

[8]

Belletti, B. et al. 2017. Characterising physical habitats and fluvial hydromorphology: A new system for the survey and classification of river geomorphic units. *Geomorphology*. 283, (Apr. 2017), 143–157. DOI:<https://doi.org/10.1016/j.geomorph.2017.01.032>.

[9]

Bernhardt, E.S. 2005. Ecology: Synthesizing U.S. River Restoration Efforts. *Science*. 308, 5722 (Apr. 2005), 636–637. DOI:<https://doi.org/10.1126/science.1109769>.

[10]

Beven, K.J. et al. 2011. *Hydrology in practice*. Spon Press.

[11]

Beven, K.J. et al. 2011. *Hydrology in practice*. Spon Press.

[12]

Beven, K.J. 2012. *Rainfall-runoff modelling: the primer*. Wiley-Blackwell.

[13]

Brierley, G. et al. 2013. Reading the landscape: Integrating the theory and practice of geomorphology to develop place-based understandings of river systems. *Progress in Physical Geography*. 37, 5 (Oct. 2013), 601–621. DOI:<https://doi.org/10.1177/0309133313490007>.

[14]

Brierley, G. and Hooke, J. 2015. Emerging geomorphic approaches to guide river management practices. *Geomorphology*. 251, (Dec. 2015), 1–5.
DOI:<https://doi.org/10.1016/j.geomorph.2015.08.019>.

[15]

Brierley, G. and Hooke, J. 2015. Emerging geomorphic approaches to guide river management practices. *Geomorphology*. 251, (Dec. 2015), 1–5.
DOI:<https://doi.org/10.1016/j.geomorph.2015.08.019>.

[16]

Brierley, G. and Hooke, J. 2015. Emerging geomorphic approaches to guide river management practices. *Geomorphology*. 251, (Dec. 2015), 1–5.
DOI:<https://doi.org/10.1016/j.geomorph.2015.08.019>.

[17]

Brierley, G.J. 2000. River Styles, a Geomorphic Approach to Catchment Characterization: Implications for River Rehabilitation in Bega Catchment, New South Wales, Australia. *Environmental Management*. 25, 6 (May 2000), 661–679.
DOI:<https://doi.org/10.1007/s002670010052>.

[18]

Brierley, G.J. and Fryirs, K.A. 2005. *Geomorphology and river management: applications of the river styles framework*. Blackwell Pub.

[19]

Burt, S. et al. 2016. Cumbrian floods, 5/6 December 2015. *Weather*. 71, 2 (Feb. 2016), 36–37. DOI:<https://doi.org/10.1002/wea.2704>.

[20]

Burt, T.P. and Allison, R.J. 2010. *Sediment cascades: an integrated approach*.

Wiley-Blackwell.

[21]

Cabinet Office 2016. National Flood Resilience Review.

[22]

Cabinet office The Pitt Review: Lessons learned from the 2007 floods.

[23]

Church, M.A. et al. 2012. Gravel-bed rivers: processes, tools, environments. Wiley-Blackwell.

[24]

CIRIA 2016. River weirs - Design, maintenance, modification and removal.

[25]

CIWEM 2014. Floods and dredging: a reality check.

[26]

CIWEM 2011. Integrated Water Management.

[27]

Coaker, T.H. 1981. Advances in applied biology: Vol. 6: edited by T.H. Coaker. Academic Press.

[28]

Cox et al, S.C. GNS Science report 2014/07 : Activity of the landslide Te Horo and Te Koroka fan, Dart River, New Zealand during January 2014.

[29]

Davies, T.R.H. et al. 2003. Anthropogenic aggradation of the Waiho River, Westland, New Zealand: microscale modelling. *Earth Surface Processes and Landforms*. 28, 2 (Feb. 2003), 209–218. DOI:<https://doi.org/10.1002/esp.449>.

[30]

Davies, T.R.H. and Lee, A.L. Physical hydraulic modelling of width reduction and bed level change in braided rivers. *Journal of Hydrology (New Zealand)*. 27, 2, 113–127.

[31]

defra 2005. Making space for water: Taking forward a new Government strategy for flood and coastal erosion risk management in England.

[32]

Diamond, J.M. 2006. *Collapse: how societies choose to fail or survive*. Penguin Books.

[33]

Dixon, S.J. et al. 2016. The effects of river restoration on catchment scale flood risk and flood hydrology. *Earth Surface Processes and Landforms*. 41, 7 (Jun. 2016), 997–1008. DOI:<https://doi.org/10.1002/esp.3919>.

[34]

Downs, P. and Kondolf, G.M. 2002. Post-Project Appraisals in Adaptive Management of River Channel Restoration. *Environmental Management*. 29, 4 (Apr. 2002), 477–496. DOI:<https://doi.org/10.1007/s00267-001-0035-X>.

[35]

Dufour, S. and Piégay, H. 2009. From the myth of a lost paradise to targeted river restoration: forget natural references and focus on human benefits. *River Research and Applications*. 25, 5 (Jun. 2009), 568–581. DOI:<https://doi.org/10.1002/rra.1239>.

[36]

East, A.E. et al. 2015. Large-scale dam removal on the Elwha River, Washington, USA: River channel and floodplain geomorphic change. *Geomorphology*. 228, (Jan. 2015), 765–786. DOI:<https://doi.org/10.1016/j.geomorph.2014.08.028>.

[37]

Ebooks Corporation Limited 2016. *Tools in fluvial geomorphology*. John Wiley & Sons.

[38]

Ebooks Corporation Limited 2016. *Tools in fluvial geomorphology*. John Wiley & Sons.

[39]

ECRR website: <http://www.ecrr.org/>.

[40]

Elwha River Restoration Project - videos:
<https://walrus.wr.usgs.gov/elwha/products.html#videos>.

[41]

Environment Agency 2016. *How to model and map catchment processes when flood risk management planning*.

[42]

Environment Agency 2014. *Working with natural processes to reduce flood risk: science report*.

[43]

Ferranti, E. et al. 2017. *A Perfect Storm? The collapse of Lancaster's critical infrastructure*

networks following intense rainfall on 4/5 December 2015. *Weather*. 72, 1 (Jan. 2017), 3–7.
DOI:<https://doi.org/10.1002/wea.2907>.

[44]

Fryirs, K.A. and Brierley, G.J. 2013. *Geomorphic analysis of river systems: an approach to reading the landscape*. Wiley.

[45]

Future flooding: <https://www.gov.uk/government/publications/future-flooding>.

[46]

Gao, J. et al. 2016. The impact of land-cover change on flood peaks in peatland basins. *Water Resources Research*. 52, 5 (May 2016), 3477–3492.
DOI:<https://doi.org/10.1002/2015WR017667>.

[47]

Gartner, J.D. et al. 2015. Predicting the type, location and magnitude of geomorphic responses to dam removal: Role of hydrologic and geomorphic constraints. *Geomorphology*. 251, (Dec. 2015), 20–30.
DOI:<https://doi.org/10.1016/j.geomorph.2015.02.023>.

[48]

Gilvear, D.J. et al. 2002. Hydrology and the ecological quality of Scottish river ecosystems. *Science of The Total Environment*. 294, 1–3 (Jul. 2002), 131–159.
DOI:[https://doi.org/10.1016/S0048-9697\(02\)00060-8](https://doi.org/10.1016/S0048-9697(02)00060-8).

[49]

Gilvear, D.J. et al. 2012. Trends and issues in delivery of integrated catchment scale river restoration: Lessons learned from a national river restoration survey within Scotland. *River Research and Applications*. 28, 2 (Feb. 2012), 234–246.
DOI:<https://doi.org/10.1002/rra.1437>.

[50]

Gregory, K.J. and Goudie, A. 2011. The SAGE handbook of geomorphology. SAGE.

[51]

Grill, G. et al. 2015. An index-based framework for assessing patterns and trends in river fragmentation and flow regulation by global dams at multiple scales. Environmental Research Letters. 10, 1 (Jan. 2015). DOI:<https://doi.org/10.1088/1748-9326/10/1/015001>.

[52]

Gurnell, A.M. et al. 2016. A multi-scale hierarchical framework for developing understanding of river behaviour to support river management. Aquatic Sciences. 78, 1 (Jan. 2016), 1–16. DOI:<https://doi.org/10.1007/s00027-015-0424-5>.

[53]

Hawley, S. 2012. Recovering a lost river: removing dams, rewilding salmon, revitalizing communities. Beacon Press.

[54]

Hirabayashi, Y. et al. 2013. Global flood risk under climate change. Nature Climate Change. 3, 9 (Jun. 2013), 816–821. DOI:<https://doi.org/10.1038/nclimate1911>.

[55]

J. M. Buffington Geomorphic classification of rivers.

[56]

James, L.A. 2015. Designing forward with an eye to the past: Morphogenesis of the lower Yuba River. Geomorphology. 251, (Dec. 2015), 31–49. DOI:<https://doi.org/10.1016/j.geomorph.2015.07.009>.

[57]

JBA 2015. Nature-based approaches for catchment flood management: an online catalogue.

[58]

Jenkins, G.J. 2007. The climate of the United Kingdom and recent trends.

[59]

Jongman, B. et al. 2012. Global exposure to river and coastal flooding: Long term trends and changes. *Global Environmental Change*. 22, 4 (Oct. 2012), 823–835.
DOI:<https://doi.org/10.1016/j.gloenvcha.2012.07.004>.

[60]

Jongman, B. et al. 2014. Increasing stress on disaster-risk finance due to large floods. *Nature Climate Change*. 4, 4 (Mar. 2014), 264–268.
DOI:<https://doi.org/10.1038/nclimate2124>.

[61]

Kallis, G. 2001. The EU water framework directive: measures and implications. *Water Policy*. 3, 2 (Jun. 2001), 125–142. DOI:[https://doi.org/10.1016/S1366-7017\(01\)00007-1](https://doi.org/10.1016/S1366-7017(01)00007-1).

[62]

Kasprak, A. et al. 2016. The Blurred Line between Form and Process: A Comparison of Stream Channel Classification Frameworks. *PLOS ONE*. 11, 3 (Mar. 2016).
DOI:<https://doi.org/10.1371/journal.pone.0150293>.

[63]

Koebel, J.W. and Bousquin, S.G. 2014. The Kissimmee River Restoration Project and Evaluation Program, Florida, U.S.A. *Restoration Ecology*. 22, 3 (May 2014), 345–352.
DOI:<https://doi.org/10.1111/rec.12063>.

[64]

Kondolf, G.M. et al. 2014. Dams on the Mekong: Cumulative sediment starvation. *Water Resources Research*. 50, 6 (Jun. 2014), 5158–5169.
DOI:<https://doi.org/10.1002/2013WR014651>.

[65]

Kondolf, G.M. 1997. Hungry Water: Effects of Dams and Gravel Mining on River Channels. *Environmental Management*. 21, 4 (Jul. 1997), 533–551.
DOI:<https://doi.org/10.1007/s002679900048>.

[66]

Korup, O. 2005. Geomorphic imprint of landslides on alpine river systems, southwest New Zealand. *Earth Surface Processes and Landforms*. 30, 7 (Jul. 2005), 783–800.
DOI:<https://doi.org/10.1002/esp.1171>.

[67]

Korup, O. et al. 2010. The role of landslides in mountain range evolution. *Geomorphology*. 120, 1–2 (Aug. 2010), 77–90. DOI:<https://doi.org/10.1016/j.geomorph.2009.09.017>.

[68]

Kummu, M. 2009. Water management in Angkor: Human impacts on hydrology and sediment transportation. *Journal of Environmental Management*. 90, 3 (Mar. 2009), 1413–1421. DOI:<https://doi.org/10.1016/j.jenvman.2008.08.007>.

[69]

Lave, R. et al. 2010. Privatizing stream restoration in the US. *Social Studies of Science*. 40, 5 (Oct. 2010), 677–703. DOI:<https://doi.org/10.1177/0306312710379671>.

[70]

Lehner, B. et al. 2011. High-resolution mapping of the world's reservoirs and dams for sustainable river-flow management. *Frontiers in Ecology and the Environment*. 9, 9 (2011), 494–502.

[71]

Lessard, J. et al. 2013. Dam Design can Impede Adaptive Management of Environmental Flows: A Case Study from the Opuha Dam, New Zealand. *Environmental Management*. 51, 2 (Feb. 2013), 459–473. DOI:<https://doi.org/10.1007/s00267-012-9971-x>.

[72]

Lewin, J. 2013. Enlightenment and the GM floodplain. *Earth Surface Processes and Landforms*. 38, 1 (Jan. 2013), 17–29. DOI:<https://doi.org/10.1002/esp.3230>.

[73]

Lichatowich, J. 1999. *Salmon without rivers: a history of the Pacific salmon crisis*. Island Press.

[74]

Luo, X.X. et al. 2017. New evidence of Yangtze delta recession after closing of the Three Gorges Dam. *Scientific Reports*. 7, (Feb. 2017). DOI:<https://doi.org/10.1038/srep41735>.

[75]

Maddock, I. et al. eds. 2013. *Ecohydraulics: an integrated approach*. Wiley Blackwell.

[76]

Magilligan, F.J. et al. 2016. Immediate changes in stream channel geomorphology, aquatic habitat, and fish assemblages following dam removal in a small upland catchment. *Geomorphology*. 252, (Jan. 2016), 158–170. DOI:<https://doi.org/10.1016/j.geomorph.2015.07.027>.

[77]

Magilligan, F.J. and Nislow, K.H. 2005. Changes in hydrologic regime by dams. *Geomorphology*. 71, 1–2 (Oct. 2005), 61–78. DOI:<https://doi.org/10.1016/j.geomorph.2004.08.017>.

[78]

Magilligan, F.J. and Nislow, K.H. 2005. Changes in hydrologic regime by dams. *Geomorphology*. 71, 1-2 (Oct. 2005), 61-78. DOI:<https://doi.org/10.1016/j.geomorph.2004.08.017>.

[79]

Major, J.J. et al. 2012. Geomorphic Response of the Sandy River, Oregon, to Removal of Marmot Dam : U.S. Geological Survey Professional Paper 1792.

[80]

Mapes, L. and Ringman, S. 2013. Elwha: a river reborn. The Mountaineers Books.

[81]

Marsh et al, T. The winter floods of 2015/2016 in the UK.

[82]

Modular River Survey: <http://modularriversurvey.org/>.

[83]

Moir, H.J. et al. 2004. Linking channel geomorphic characteristics to spatial patterns of spawning activity and discharge use by Atlantic salmon (*Salmo salar* L.). *Geomorphology*. 60, 1-2 (May 2004), 21-35. DOI:<https://doi.org/10.1016/j.geomorph.2003.07.014>.

[84]

Moir, H.J. et al. 2005. PHABSIM modelling of Atlantic salmon spawning habitat in an upland stream: testing the influence of habitat suitability indices on model output. *River Research and Applications*. 21, 9 (Nov. 2005), 1021-1034. DOI:<https://doi.org/10.1002/rra.869>.

[85]

Moir, H.J. and Pasternack, G.B. 2008. Relationships between mesoscale morphological units, stream hydraulics and Chinook salmon (*Oncorhynchus tshawytscha*) spawning habitat on the Lower Yuba River, California. *Geomorphology*. 100, 3-4 (Aug. 2008),

527–548. DOI:<https://doi.org/10.1016/j.geomorph.2008.02.001>.

[86]

Montgomery, D.R. 1997. Channel-reach morphology in mountain drainage basins. *GSA Bulletin*. 109, 5 (May 1997), 596–611.

[87]

Morandi, B. et al. 2014. How is success or failure in river restoration projects evaluated? Feedback from French restoration projects. *Journal of Environmental Management*. 137, (May 2014), 178–188. DOI:<https://doi.org/10.1016/j.jenvman.2014.02.010>.

[88]

National River Flow Archive: Occasional Reports: <http://nrfa.ceh.ac.uk/occasional-reports>.

[89]

Natural Water Retention Measures: <http://nwrn.eu/>.

[90]

Newson, Malcolm.D. and Large, A.R.G. 2006. 'Natural' rivers, 'hydromorphological quality' and river restoration: a challenging new agenda for applied fluvial geomorphology. *Earth Surface Processes and Landforms*. 31, 13 (Nov. 2006), 1606–1624. DOI:<https://doi.org/10.1002/esp.1430>.

[91]

O'Connell, P.E. et al. 2007. Is there a link between agricultural land-use management and flooding? *Hydrology and Earth System Sciences*. 11, 1 (Jan. 2007), 96–107. DOI:<https://doi.org/10.5194/hess-11-96-2007>.

[92]

O'Connor, J.E. et al. 2015. 1000 dams down and counting. *Science*. 348, 6234 (May 2015),

496–497. DOI:<https://doi.org/10.1126/science.aaa9204>.

[93]

Olsen, J.R. 2006. Climate Change and Floodplain Management in the United States. *Climatic Change*. 76, 3–4 (Jun. 2006), 407–426.
DOI:<https://doi.org/10.1007/s10584-005-9020-3>.

[94]

Pall, P. et al. 2011. Anthropogenic greenhouse gas contribution to flood risk in England and Wales in autumn 2000. *Nature*. 470, 7334 (Feb. 2011), 382–385.
DOI:<https://doi.org/10.1038/nature09762>.

[95]

Palmer, M.A. et al. 2010. River restoration, habitat heterogeneity and biodiversity: a failure of theory or practice? *Freshwater Biology*. 55, (Jan. 2010), 205–222.
DOI:<https://doi.org/10.1111/j.1365-2427.2009.02372.x>.

[96]

Pender, G. and Faulkner, H. 2011. *Flood risk science and management*. Wiley-Blackwell.

[97]

Perfect, C. et al. 2013. *The Scottish Rivers Handbook*.

[98]

Pizzuto, J. Effects of dam removal on river form and process. *BioScience*. 52, 8, 683–691.

[99]

Podolak, C.J.P. 2014. A visual framework for displaying, communicating and coordinating a river restoration monitoring project. *River Research and Applications*. 30, 4 (May 2014),

527–535. DOI:<https://doi.org/10.1002/rra.2651>.

[100]

Raven, E.K. et al. 2010. Understanding sediment transfer and morphological change for managing upland gravel-bed rivers. *Progress in Physical Geography*. 34, 1 (Feb. 2010), 23–45. DOI:<https://doi.org/10.1177/0309133309355631>.

[101]

Reid, H.E. and Brierley, G.J. 2015. Assessing geomorphic sensitivity in relation to river capacity for adjustment. *Geomorphology*. 251, (Dec. 2015), 108–121. DOI:<https://doi.org/10.1016/j.geomorph.2015.09.009>.

[102]

Rinaldi, M. et al. 2016. Classification of river morphology and hydrology to support management and restoration. *Aquatic Sciences*. 78, 1 (Jan. 2016), 17–33. DOI:<https://doi.org/10.1007/s00027-015-0438-z>.

[103]

Rinaldi, M. et al. 2016. Classification of river morphology and hydrology to support management and restoration. *Aquatic Sciences*. 78, 1 (Jan. 2016), 17–33. DOI:<https://doi.org/10.1007/s00027-015-0438-z>.

[104]

River Styles: <http://www.riverstyles.com/>.

[105]

Roni, P. and Beechie, T.J. 2013. *Stream and watershed restoration: a guide to restoring riverine processes and habitats*. Wiley-Blackwell.

[106]

Rosgen, D.L. 1994. A classification of natural rivers. *CATENA*. 22, 3 (Jun. 1994), 169–199.

DOI:[https://doi.org/10.1016/0341-8162\(94\)90001-9](https://doi.org/10.1016/0341-8162(94)90001-9).

[107]

Royal Geographical Society 2012. Water policy in the UK: the challenges.

[108]

RSPB 2014. Flooding in focus.

[109]

Ryan Bellmore, J. et al. 2017. Status and trends of dam removal research in the United States. *Wiley Interdisciplinary Reviews: Water*. 4, 2 (Mar. 2017).

DOI:<https://doi.org/10.1002/wat2.1164>.

[110]

Sambrook Smith, G.H. 2006. Braided rivers: process, deposits, ecology, and management. Blackwell Pub.

[111]

Schaller, N. et al. 2016. Human influence on climate in the 2014 southern England winter floods and their impacts. *Nature Climate Change*. 6, 6 (Feb. 2016), 627–634.

DOI:<https://doi.org/10.1038/nclimate2927>.

[112]

Schottler, S.P. et al. 2014. Twentieth century agricultural drainage creates more erosive rivers. *Hydrological Processes*. 28, 4 (Feb. 2014), 1951–1961.

DOI:<https://doi.org/10.1002/hyp.9738>.

[113]

Scotland & Northern Ireland Forum for Environmental Research A handbook of climate trends across Scotland (SNIFFER project CC03).

[114]

Scottish Environmental Protection Agency Supporting guidance (WAT-SG-21):
Environmental Standards for River Morphology.

[115]

SEPA 2011. Flood Risk Management Strategies and Local Flood Risk Management Plans.

[116]

SEPA 2015. Natural flood management handbook.

[117]

SEPA 2005. Scotland River Basin District : Characterisation and impacts analyses required
by article 5 of the Water Framework Directive.

[118]

SEPA 2007. Significant water management issues in the Scotland river basin district.

[119]

SEPA 2012. Supporting Guidance (WAT-SG-21) : Environmental Standards for River
Morphology.

[120]

Simon, A. et al. 2011. Stream restoration in dynamic fluvial systems: scientific approaches,
analyses, and tools. American Geophysical Union.

[121]

Slater, L.J. et al. 2015. Hydrologic versus geomorphic drivers of trends in flood hazard.

Geophysical Research Letters. 42, 2 (Jan. 2015), 370–376.
DOI:<https://doi.org/10.1002/2014GL062482>.

[122]

Slater, L.J. 2016. To what extent have changes in channel capacity contributed to flood hazard trends in England and Wales? *Earth Surface Processes and Landforms*. 41, 8 (Jun. 2016), 1115–1128. DOI:<https://doi.org/10.1002/esp.3927>.

[123]

Smith, B. et al. 2014. Analysis of UK river restoration using broad-scale data sets. *Water and Environment Journal*. 28, 4 (Dec. 2014), 490–501.
DOI:<https://doi.org/10.1111/wej.12063>.

[124]

Smith, M.J. et al. 2011. *Geomorphological mapping: methods and applications*. Elsevier.

[125]

Smith, S.M. and Prestegard, K.L. 2005. Hydraulic performance of a morphology-based stream channel design. *Water Resources Research*. 41, 11 (Nov. 2005), n/a-n/a.
DOI:<https://doi.org/10.1029/2004WR003926>.

[126]

Syvitski, J.P.M. 2005. Impact of Humans on the Flux of Terrestrial Sediment to the Global Coastal Ocean. *Science*. 308, 5720 (Apr. 2005), 376–380.
DOI:<https://doi.org/10.1126/science.1109454>.

[127]

Tadaki, M. et al. 2014. River classification: theory, practice, politics. *Wiley Interdisciplinary Reviews: Water*. (Apr. 2014), n/a-n/a. DOI:<https://doi.org/10.1002/wat2.1026>.

[128]

The potential policy and environmental consequences for the UK of a departure from the

European Union: 2016.

<http://www.ieep.eu/news/2016/08/the-uk-referendum-what-it-means-for-the-environment-and-for-ieep>.

[129]

The River Restoration Centre: <http://www.therrc.co.uk/>.

[130]

Thomas et al, J.S. GNS Science report 2009/43: 42 years evolution of Slip Stream landslide and fan, Dart River, New Zealand.

[131]

Thorne, C. 2014. Geographies of UK flooding in 2013/4. The Geographical Journal. 180, 4 (Dec. 2014), 297–309. DOI:<https://doi.org/10.1111/geoj.12122>.

[132]

United Nations Office for Disaster Risk Reduction Global assessment report on disaster risk reduction 2015.

[133]

United Nations Office for Disaster Risk Reduction and Centre for Research on Epidemiology of Disasters The human cost of weather-related disasters 1995-2015.

[134]

Werritty, A. et al. 2004. Geomorphological changes and trends in Scotland: river channels and processes. Scottish Natural Heritage.

[135]

Werritty, A. and Leys, K.F. 2001. The sensitivity of Scottish rivers and upland valley floors to recent environmental change. CATENA. 42, 2–4 (Jan. 2001), 251–273. DOI:[https://doi.org/10.1016/S0341-8162\(00\)00140-5](https://doi.org/10.1016/S0341-8162(00)00140-5).

[136]

Wohl, E. et al. 2015. The science and practice of river restoration. *Water Resources Research*. 51, 8 (Aug. 2015), 5974–5997. DOI:<https://doi.org/10.1002/2014WR016874>.

[137]

Wohl, E. and Merritts, D.J. 2007. What Is a Natural River? *Geography Compass*. 1, 4 (Jul. 2007), 871–900. DOI:<https://doi.org/10.1111/j.1749-8198.2007.00049.x>.

[138]

Wohl, E.E. 2014. *Rivers in the landscape: science and management*. John Wiley & Sons Inc.

[139]

Working with natural processes to reduce flood risk : JBA Trust - Interactive map:
<http://www.jbatrust.org/news/working-with-natural-processes-to-reduce-flood-risk/>.

[140]

World Commission on Dams 2000. *Dams and development: a new framework for decision-making*.

[141]

Yang, S.L. et al. 2011. 50,000 dams later: Erosion of the Yangtze River and its delta. *Global and Planetary Change*. 75, 1–2 (Jan. 2011), 14–20.
DOI:<https://doi.org/10.1016/j.gloplacha.2010.09.006>.

[142]

Young, S.M. and Ishiga, H. 2014. Environmental change of the fluvial-estuary system in relation to Arase Dam removal of the Yatsushiro tidal flat, SW Kyushu, Japan. *Environmental Earth Sciences*. 72, 7 (Oct. 2014), 2301–2314.
DOI:<https://doi.org/10.1007/s12665-014-3139-3>.

[143]

Zarfl, C. et al. 2015. A global boom in hydropower dam construction. *Aquatic Sciences*. 77, 1 (Jan. 2015), 161–170. DOI:<https://doi.org/10.1007/s00027-014-0377-0>.

[144]

2AD. Elwha River following dam removal.

[145]

2015. *Engineering geology for society and territory: Volume 3: River basins, reservoir sedimentation and water resources*. Springer International Publishing.

[146]

Journal of Hydrology (New Zealand).

[147]

30AD. Marmot Dam Removal.

[148]

7AD. Snake River.