# Timothy J Beechie

List of Publications by Year
in descending order



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|---|---|---|---|
| 39 papers | 3,152 citations | 257450 24 h-index | 330143 37 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 2452 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Process-based Principles for Restoring River Ecosystems. BioScience, 2010, 60, 209-222. | 4.9 | 575 |
| 2 | A Review of Stream Restoration Techniques and a Hierarchical Strategy for Prioritizing Restoration in Pacific Northwest Watersheds. North American Journal of Fisheries Management, 2002, 22, 1-20. | 1.0 | 475 |
| 3 | Using Beaver Dams to Restore Incised Stream Ecosystems. BioScience, 2014, 64, 279-290. | 4.9 | 232 |
| 4 | Channel pattern and river-floodplain dynamics in forested mountain river systems. Geomorphology, 2006, 78, 124-141. | 2.6 | 226 |
| 5 | Relationships between Channel Characteristics, Woody Debris, and Fish Habitat in Northwestern Washington Streams. Transactions of the American Fisheries Society, 1997, 126, 217-229. | 1.4 | 179 |
| 6 | Geomorphic changes upstream of beaver dams in Bridge Creek, an incised stream channel in the interior Columbia River basin, eastern Oregon. Earth Surface Processes and Landforms, 2007, 32, 1174-1185. | 2.5 | 144 |
| 7 | Setting River Restoration Priorities: A Review of Approaches and a General Protocol for Identifying and Prioritizing Actions. North American Journal of Fisheries Management, 2008, 28, 891-905. | 1.0 | 144 |
| 8 | Biological Impacts of the Elwha River Dams and Potential Salmonid Responses to Dam Removal. Northwest Science, 2008, 82, 72-90. | 0.2 | 114 |
| 9 | Rethinking the longitudinal stream temperature paradigm: region-wide comparison of thermal infrared imagery reveals unexpected complexity of river temperatures. Hydrological Processes, 2015, 29, 4719-4737. | 2.6 | 107 |
| 10 | The Importance of Beaver Ponds to Coho Salmon Production in the Stillaguamish River Basin, Washington, USA. North American Journal of Fisheries Management, 2004, 24, 749-760. | 1.0 | 92 |
| 11 | Modeling Recovery Rates and Pathways for Woody Debris Recruitment in Northwestern Washington Streams. North American Journal of Fisheries Management, 2000, 20, 436-452. | 1.0 | 86 |
| 12 | A Process-Based View of Floodplain Forest Patterns in Coastal River Valleys of the Pacific Northwest. Ecosystems, 2010, 13, 1-31. | 3.4 | 79 |
| 13 | Consequences of potential density-dependent mechanisms on recovery of ocean-type chinook salmon (Oncorhynchus tshawytscha). Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 590-602. | 1.4 | 78 |
| 14 | A Classification of Habitat Types in a Large River and Their Use by Juvenile Salmonids. Transactions of the American Fisheries Society, 2005, 134, 717-729. | 1.4 | 77 |
| 15 | Riparian aquatic interaction simulator (RAIS): a model of riparian forest dynamics for the generation of large woody debris and shade. Forest Ecology and Management, 2002, 162, 299-318. | 3.2 | 57 |
| 16 | Incorporating climate change projections into riparian restoration planning and design. Ecohydrology, 2015, 8, 863-879. | 2.4 | 47 |
| 17 | Holocene and recent geomorphic processes, land use, and salmonid habitat in two north Puget Sound river basins. Water Science and Application, 2001, , 37-54. | 0.3 | 45 |
| 18 | Channel incision, evolution and potential recovery in the Walla Walla and Tucannon River basins, northwestern USA. Earth Surface Processes and Landforms, 2008, 33, 784-800. | 2.5 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Empirical predictors of annual bed load travel distance, and implications for salmonid habitat restoration and protection. Earth Surface Processes and Landforms, 2001, 26, 1025-1034. | 2.5 | 39 |
| 20 | Predicting River Floodplain and Lateral Channel Migration for Salmon Habitat Conservation. Journal of the American Water Resources Association, 2007, 43, 786-797. | 2.4 | 37 |
| 21 | Does Riparian Forest Restoration Thinning Enhance Biodiversity? The Ecological Importance of Large Wood. Journal of the American Water Resources Association, 2014, 50, 543-559. | 2.4 | 32 |
| 22 | Using reference conditions in ecosystem restoration: an example for riparian conifer forests in the Pacific Northwest. Ecosphere, 2012, 3, 1-23. | 2.2 | 29 |
| 23 | Reprint of: Large-scale dam removal on the Elwha River, Washington, USA: River channel and floodplain geomorphic change. Geomorphology, 2015, 246, 687-708. | 2.6 | 28 |
| 24 | Comparison of potential increases in juvenile salmonid rearing habitat capacity among alternative restoration scenarios, Trinity River, California. Restoration Ecology, 2015, 23, 75-84. | 2.9 | 26 |
| 25 | Review of Tools for Identifying, Planning, and Implementing Habitat Restoration for Pacific Salmon and Steelhead. North American Journal of Fisheries Management, 2018, 38, 355-376. | 1.0 | 22 |
| 26 | Large river habitat complexity and productivity of Puget Sound Chinook salmon. PLoS ONE, 2018, 13, e0205127. | 2.5 | 21 |
| 27 | Regional patterns of riparian characteristics in the interior Columbia River basin, Northwestern USA: applications for restoration planning. Landscape Ecology, 2006, 21, 1347-1360. | 4.2 | 20 |
| 28 | A Watershed Scale Assessment of Riparian Forests, with Implications for Restoration. Restoration Ecology, 2004, 12, 175-183. | 2.9 | 16 |
| 29 | Identifying the potential of anadromous salmonid habitat restoration with life cycle models. PLoS ONE, 2021, 16, e0256792. | 2.5 | 16 |
| 30 | Trends in Developed Land Cover Adjacent to Habitat for Threatened Salmon in Puget Sound, Washington, U.S.A.. PLoS ONE, 2015, 10, e0124415. | 2.5 | 15 |
| 31 | Incorporating parameter uncertainty into evaluation of spawning habitat limitations on Chinook salmon (Oncorhynchus tshawytscha) populations. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 1242-1250. | 1.4 | 11 |
| 32 | Historical and Future Stream Temperature Change Predicted by a Lidarâ€Based Assessment of Riparian Condition and Channel Width. Journal of the American Water Resources Association, 2018, 54, 974-991. | 2.4 | 11 |
| 33 | Restoring Rivers in the Twenty-First Century: Science Challenges in a Management Context. , 2009, , 697-717. | | 8 |
| 34 | Influences of valley form and land use on large river and floodplain habitats in Puget Sound. River Research and Applications, 2019, 35, 133-145. | 1.7 | 6 |
| 35 | A process-based assessment of landscape change and salmon habitat losses in the Chehalis River basin, USA. PLoS ONE, 2021, 16, e0258251. | 2.5 | 6 |
| 36 | How riparian and floodplain restoration modify the effects of increasing temperature on adult salmon spawner abundance in the Chehalis River, WA. PLoS ONE, 2022, 17, e0268813. | 2.5 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Spatially overlapping salmon species have varied population response to early life history mortality from increased peak flows. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 342-351. | 1.4 | 3 |
| 38 | Modeling riparian species occurrence from historical surveys to guide restoration planning in northwestern USA. Ecosphere, 2021, 12, e03525. | 2.2 | 1 |
| 39 | Empirical predictors of annual bed load travel distance, and implications for salmonid habitat restoration and protection. Earth Surface Processes and Landforms, 2001, 26, 1025-1034. | 2.5 | 1 |