
SOME INTERNATIONAL CULVERT FISH PASSAGE GUIDANCE

COMPILED BY
MARQ REDEKER



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Removing 'Road Dams' In Europe?

Join us for a free webinar exploring the need and opportunity to improve culverts to enhance river biodiversity in Europe.

January 19, 2022
15:00-18:00 CET

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EUROPE (1)



Germany

- Deutsche Vereinigung für Wasserwirtschaft, Abwasser und Abfall e. V. (2014). *Fischaufstiegsanlagen und fischpassierbare Bauwerke – Gestaltung, Bemessung, Qualitätssicherung*. Merkblatt DWA-M 509, Hennef, May 2014, 340 pp.
- Landesanstalt für Umwelt, Messungen und Naturschutz Baden-Württemberg (2008). *Durchgängigkeit für Tiere in Fließgewässern - Leitfaden Teil 4 – Durchlässe, Verrohrungen, sowie Anschluss Seitengewässer und Aue*. November 2008, 116 pp.
- Regierungspräsidium Gießen (2021). *Lineare Durchgängigkeit an Kreuzungsbauwerken*. Empfehlungen der Oberen Wasserbehörde, May 2021, 59 pp.
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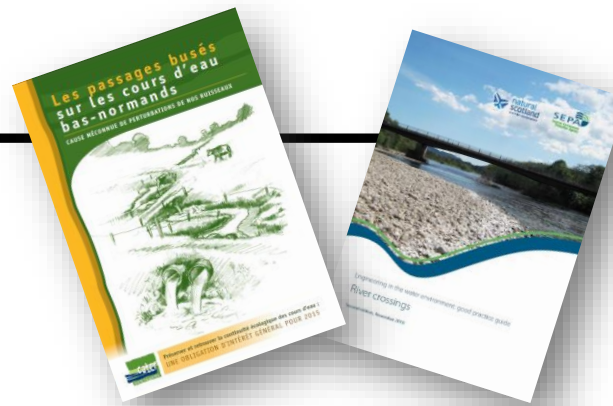
Ireland

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- National Roads Authority (2008). *Guidelines for the crossing of watercourses during the construction of national road schemes*. 13 pp.

England

- Environment Agency (2010). *Environment Agency Fish Pass Manual*. Document – GEHO 0910 BTBP-E-E, November 2010, 369 pp.

EUROPE (2)



Scotland

- Scottish Environment Protection Agency (2010). *River Crossings*. Engineering in the water environment: good practice guide, second edition, WAT-SG-25, November 2010, 36 pp.

France

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- ONEMA (2014). *Assessing the passage of obstacles by fish - Concepts, design and application*. May 2014, 200 pp.
- CETE de L'Est & ONEMA (2013). *Petits ouvrages hydrauliques et continuités écologiques - Cas de la faune piscicole*. Note d'information du Sétra, Decembre 2013, 25 pp.
- CATER (2009). *Les ouvrages de franchissement de cours d'eau bas-normands*. 8 pp.
- CATER (2009). *Les passages busés sur les cours d'eau bas normands*. 4 pp.

Turkey

- Devlet Su İşleri Genel Müdürlüğü (2016). *Balık geçitleri ve balık göçü yapıları – Tasarım, boyutlandırma ve izleme*. 374 pp.

EUROPE (3)



Finland

- Metsähallitus (2020).
Esteellisen Vesistörymmun kunnostamisopas. 25 pp.

NORTH AMERICA (1)



United States (1)

- National Marine Fisheries Service (2011). *Anadromous Salmonid Passage Facility Design*. NMFS, Northwest Region, Portland, Oregon, July 2011, 138 pp.
- National Marine Fisheries Service (?). *Diadromous Fish Passage: A Primer on Technology, Planning, and Design for the Atlantic and Gulf Coasts*. 163 pp.
- U.S.D.A. (2007). *Fish Passage and Screening Design*. Technical Supplement 14N, 56 pp.

United States (2)

- U.S.D.A. Forest Service (2008). *Stream Simulation: An Ecological Approach to Providing Passage for Aquatic Organisms at Road-Stream Crossings*. 659 pp.
- U.S. Department of Transportation (2007). *Design for fish passage at roadway-stream crossings: synthesis report*. Publication No. FHWA-HIF-07-033, June 2007, 280 pp.
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- Massachusetts Department of Fish and Game (2012). *Stream Crossings Handbook*. 16 pp.

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- Washington Dept. of Fish and Wildlife (2009). *Fish Passage Barrier and Surface Water Diversion Screening Assessment and Prioritization Manual*. 240 pp.
- Maine Forest Service (?) *Stream Crossings - New Designs to Restore Stream Continuity*. 4 pp.
- Chesapeake Bay Program (2021) *Recommendations for aquatic organism passage at Maryland road-stream crossings*. 23 pp.

NORTH AMERICA (2)

Canada

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- Ministry of Forests, Lands and Natural Resource Operations (2002). *Fish-stream Crossing Guidebook*. Forest Practices Code of British Columbia, Revised Edition, September 2012, 71 pp.



ASIA-PACIFIC



New Zealand

- NIWA (2018). *New Zealand Fish Passage Guidelines*. April 2018, 226 pp.
- New Zealand Transport Authority (2013). *Fish passage guidance for state highways*. Version 1.0, August 2013, 26 pp.
- Environment Waikato (2006). *Best Practice Guidelines for Waterway Crossings*. Technical Report 2006/25R, April 2006, 35 pp.
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Australia

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- NSW Fisheries (2003). *Why do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings*. 14 pp.



CONTACT

Marq Redeker | marq.redeker@cdmsmith.com | www.cdmsmith.com/en-EU/Experts/Marq-Redeker