

### Joint EWRI-AFS Fish Passage Reference Database

*Adding Reclamation's studies and reports to a fish passage clearinghouse*

#### Bottom Line

Access citations of current and historic literature on fish passage engineering, biology, design, and relevant disciplines.

#### Better, Faster, Cheaper

Making access to literature easier and better by working with many partners.

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- University of Massachusetts Amherst Department of Civil and Environmental Engineering
- American Society of Civil Engineers Environmental and Water Resources Institute
- U.S. Fish and Wildlife Service
- American Fisheries Society Bioengineering Section
- U.S. Geological Survey

#### More Info

See the website and citations at [scholarworks.umass.edu/fishpassage](http://scholarworks.umass.edu/fishpassage).

#### Problem

Understanding how fish interact with underwater structures, dams, and other facilities is crucial to providing safe and effective fish passage for Reclamation's facilities. Yet this is a complex field, involving many disciplines: biology, hydrology, hydraulic engineering, structural design, and more. Fish passage research reports, design reports and performance studies are often difficult to locate as many are internal agency or private sector reports that are not widely published.

#### Solution

To provide a resource for information on fish passage for fishery biologists, managers, engineers, and the public and private sectors, this Science and Technology Research Program project worked with many others to create an online fish passage reference database. The database includes compilations of existing literature databases, bibliographies, published and unpublished (i.e., reports, gray literature) from multiple sources, and is intended to be a clearinghouse for new literature as it becomes available.

The database resides at the University of Massachusetts and can be accessed via <http://scholarworks.umass.edu/fishpassage/>. Database users may search for citations (many with accompanying abstracts) using author, journal, and/or subject keywords, and may also enter additional citations into the database through the Scholarworks web portal.

To enhance the effectiveness of the database and its repository function, practitioners in fish passage can also add records to the database using the "author's corner" and instructions at the same website above.

The American Society of Civil Engineers Environmental and Water Resources Institute (ASCE/EWRI) – American Fisheries Society Bioengineering Section (AFS/BES) Partnership Development Ad Hoc Committee, with support from the University of Massachusetts Department of Civil and Environmental Engineering, the U.S. Bureau of Reclamation Hydraulic Investigations and Laboratory Services Group, the U.S. Fish and Wildlife Service (Region 5) and the U.S. Geological Survey S.O. Conte Anadromous Fish Research Laboratory developed this database and made it available online in June 2011.



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