The following material is based principally on *Culvert Fishway Planning and Design Guidelines*, which provide designers with a basis for planning, design and implementation of fish passage facilities at road crossings and other small waterway structures.

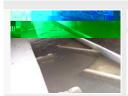
Author Ross Kapitzke
Date April 2010 – VER2.0

Available from <u>www.jcu.edu.au/fishpassagedesign</u>/

Fishway component types for small waterway structures

TS02

The configuration of fish passage facilities at a waterway structure is established on the basis of fish migration barrier characteristics of the structure and fish passage goals and other multipurpose requirements for the site. A number of fishway configuration options comprising several component types may be considered to overcome migration barriers within various hydraulic zones of the structure.



Offset Baffle fishway - Box culverts, aprons and channels

series of low baffles fixed to structure base suited to relatively shallow high velocity flow less suited to deep slow water environments provides low velocity / shelter / flow circulation for flows within and surcharging the baffles good self-cleaning and through-flow attributes

Corner "EL" Baffle fishway - Box culverts

series of "L" shaped baffles perpendicular to wall suited to relatively deep low velocity flow less suited to shallow high velocity flow