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.

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Available from www.jcu.edu.au/fishpassagedesign/

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