

## Prefabricated fishway products for waterway structures



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**Walaman Fishways** provide a range of prefabricated fishways for installation at culverts and other small waterway structures to overcome hydraulic barriers to fish migration, provide for aquatic fauna connectivity, and meet other multipurpose design requirements. **Walaman** prefabricated fishway products are used in a number of site configurations that may incorporate a number of fishway types.

	<h3>Products</h3> <ul style="list-style-type: none"> <li>• prefabricated units readily installed at culvert, grade control and other waterway structures</li> <li>• manufactured under controlled factory conditions</li> <li>• installed within fishway facilities designed for particular structure and site characteristics</li> <li>• modular units provide desired hydraulic condition</li> </ul>
	<h3>Fishway types</h3> <ul style="list-style-type: none"> <li>• a number of fishway types are used to overcome hydraulic barriers to upstream fish migration at road culverts and other waterway structures</li> <li>■ Block Ramp</li> <li>■ Offset Baffle</li> <li>■ EL Baffle</li> <li>■ Quad Baffle</li> </ul>
	<h3>Configurations</h3> <ul style="list-style-type: none"> <li>• used in range of configurations at waterway sites to overcome various types of hydraulic barriers</li> <li>• fishway component types (e.g. Offset Baffle, Block Ramp) configured into integrated facilities</li> <li>■ Block Ramp fishway at inlet / outlet of culverts, or downstream of grade control structures</li> <li>■ Offset Baffle fishway within culvert barrels and on culvert aprons and channelised sections</li> </ul>
	<h3>Design services</h3> <ul style="list-style-type: none"> <li>• design assessment is required at each site to establish fishway type and configuration for the particular structure and site characteristics</li> <li>■ evaluate fish migration barriers at structure</li> <li>■ establish design requirements / identify options</li> <li>■ configure fishway / identify mitigation measures</li> </ul>
	<h3>Manufacturing</h3> <ul style="list-style-type: none"> <li>• supply of products for particular fishway projects is based on a schedule of components produced as part of project design for the fishway facility</li> <li>• prefabricated concrete fishway products are manufactured in south east Queensland</li> <li>• fishway products delivered to any Australian site</li> </ul>
	<h3>Installation</h3> <ul style="list-style-type: none"> <li>• incorporated as part of new projects (e.g. highway or land developments) or used as retrofits at existing waterway structures (e.g. culvert crossings, grade control structures)</li> <li>• installation of the fishway is based on project assembly drawings and a component schedule for the facility, produced as part of the project design</li> </ul>
	<h3>Projects</h3> <ul style="list-style-type: none"> <li>• used in range of projects including box and pipe culvert road crossings and grade control structures in urban waterways, and culverts and causeways for rural roads and highways</li> <li>■ Enoggera Creek Bennett Road culvert fishway</li> <li>■ University Creek Solander Road culvert fishway</li> <li>■ Daunia Mine New Chum Creek culvert fishway</li> </ul>

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