





































Communication				Tonkin & Taylor	
	FISH PASSAGE DESIGN COMMUNICATION TABLE				
	Flows (m3/s)				
	What flow points are to be estimated:				
		Flows (m3/s)			
	MALF	0.2 M	ALF estimated only		
	3 month	Ap 0.5 ev	proximated 1/3 of 2yr ent		
	1 year	0.9 Ca	lculated		
	Minimum flow depth required (mm)				
	20	U			
	Length-Velocity criteria (m-m/s)				
	How fast can fish swim over various lengths (burst speed)				
	m	m/s			
	2	0 0.1	.3		
		5 0	.6		
	Upstream & Downstream Conne	ectivity			
	Tidal	YES/NO			
	Tidal access	ALL/>MHW/etc			
	Stream works	YES/NO			
	Rest pools	top/middle/bottom			
	Min pool depth	30	00mm		
	Min pool length	150	00 mm		













Suitable for pipes < 1.8m i.e. install & maintenance access issues are eliminated



Lead-in and exit lengths to extend beyond channel constrictions and high velocity zones, often 5-10x pipe size







## 11/12/2013





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Locate control (i.e. weir) beyond channel constriction, often 5-10x pipe size.

Can fish get through the control? – see WEIRS & RAMPS





















































