



Figure 3.19. Level A flowchart to determine culvert barrier status.

Table 3.1 Assignment of percent passability to culverts determined to be barriers using the Level A flowchart (Figure 3.19) or multiple culvert key (Box 3.2).

Criterion	Culvert Length	Value	Range	% Passability
Water Surface Drop	N/A	≥ 0.24 m	0.24 m - 0.49 m	0.67
			0.5 m - 0.99 m	0.33
			≥ 1.00 m	0
Slope	< 18.3 m	$\geq 1.0\%$	1.01 % - 1.99 %	0.67
			2.00 % - 3.99 %	0.33
			≥ 4.00 %	0
Slope	≥ 18.3 m	$\geq 1.0\%$	1.01 % - 1.99 %	0.33
			≥ 2.00 %	0

Table 3.2 Assignment of percent passability to culverts determined to be barriers using the Level B hydraulic analysis.

Criterion	Culvert Length	Value	Range	% Passability
Velocity	≤ 30.4 m	≥ 1.22 mps	1.22 mps - 1.82 mps	67
			≥ 1.83 mps	33
Velocity	30.5 - 61 m	> 0.91 mps	0.92 mps - 1.52 mps	67
			≥ 1.53 mps	33
Velocity	> 61 m	≥ 0.61 mps	0.61 mps - 1.21 mps	67
			≥ 1.22 mps	33
Water Depth	N/A	≤ 0.30 m	0.15 m - 0.30 m	67
			0.05 m - 0.14 m	33
			≤ 0.04 m	0