

Availability of perennial and intermittent stream reaches for freshwater offsetting within the Aokautere Structure Plan area

For clarity, Table 3 below is taken from pg 17 of the s42A report - Ecology, unchanged. The updated version of Table 3 is on page 2. A plan of the stream classifications and gully numbers is on page 3. This is copied from Figure 2 of the stream classification report on pg 6 in Appendix C to the s42A report – Ecology.

The conclusion is there are many km available within the plan change area that would be highly suitable for freshwater offsetting. The SEV method allows for offsetting on stream reaches >0.2 – <0.8 SEV. Many of these reaches are pasture with high potential for functional gains.

Table 3. Lengths (m) of each GHD recommended stormwater treatment and the availability of perennial and intermittent stream reaches available for offsetting within the Structure Plan area.

	Effects lengths (m)							Reach accounting (m)			
Gully #	Culvert	Cascading weirs	Below ground dam	Inline dry pond	Online pond	Bridge abutments	Affected length	Reach available	Unaffected reach after works	Restoration required	Reach surplus
1	100	185	0	0	0	0	285	1906	1621	707	914
3	0	250	40	40	60	0	390	1778	1388	967	421
11	0	0	0	0	0	40	40	N/A	N/A	99	N/A

Notes. N/A = not assessed in relation to the Structure Plan due to the extensive reach length available and the limited affected length

UPDATED Table 3. Lengths (m) of each GHD recommended stormwater treatment and the availability of perennial and intermittent stream reaches available for offsetting within the Structure Plan area.

Gully #	Effects lengths (m)							Reach accounting (m)				Riparian land cover
	Culvert	Cascading weirs	Below ground dam	Inline dry pond	Online pond	Bridge abutments	Affected length	Reach available	Unaffected reach after works	Restoration required	Reach surplus	
1	100	185	0	0	0	0	285	1906	1621	707	914	Native (c.45%) and gorse (c.55%)
3	0	250	40	40	60	0	390	1778	1388	967	421	Native (c.55%) and gorse (c.45%)
8	0	0	0	0	0	0	0	207	207	0	207	Pasture, some teatree
9	0	0	0	0	0	0	0	458	458	0	458	Pasture, some teatree
10	0	0	0	0	0	0	0	208	208	0	208	Pasture, some teatree
11	0	0	0	0	0	40	40	4013	3973	99	3874	Pasture, some wetlands in central portion
											6082	Sum

