

SUBMISSION ON HAMILTON CITY COUNCIL ANNUAL PLAN -

6.5 Monitoring progress towards Hamilton City Outcomes

1. Need a cycleway and walkway through Sandford Park to link Bruce Ave in Glenview, Waterford Rd in Fitzroy and Pine Ave in Melville with the river cycleway.
2. Need more extensive area of walkways through Sandford Park to capitalise on restoration work being carried out there currently and in the future.
3. Need some signage showing stream names for the Mangakotukutuku and other City streams so people become aware of their existence.
4. Need an indicator that reflects the ecological health of the city streams – e.g., koura found at more sites, giant kokopu become more widespread, habitat quality is enhanced

6.7.7 Parks & Gardens

5. There should be more signage of stream names around Hamilton Parks and interpretive material on instream values at significant sites.

6.8.3 Building Control

6. The Council should actively encourage building practices that reduce impervious area and promote infiltration of rainwater rather than piping into the stormwater system, particularly in areas on new development draining into streams with high ecological values (e.g., Peacockes are of the Mangakotukutuku catchment).

6.9.1 Wastewater Management – Peacockes Wastewater Strategic Management Plan

7. If this includes stormwater, measures should focus on treatment at source and preventing it from entering waterways. Where end-of-pipe treatment is required this should involve systems that do not directly discharge to streams.
8. The performance measures should include ecological indicators to demonstrate no net environmental degradation due to stormwater disposal.

6.9.2 Stormwater Management – Stormwater Network Hydraulic Modelling

9. The brief for this work needs to be clarified so that it includes a focus on ways to transmit stormwater while maintaining or enhancing instream values and not compromising the safety of the public and private dwellings. Roughness elements such as large wood could be retained in or introduced into streams to create habitat and slow floodwaters down, thereby reducing velocities and potentially bank erosion caused by high stormwater peak flows. A change in mindset needs to occur whereby localised flooding in “safe” areas is an accepted outcome of stormwater and ecological management – the aim should not simply be to create hydraulically efficient channels. Rather consideration needs to be given to ecological requirements of stream life.

10. The brief should be expanded to highlight streams that could potentially be restored to some level of ecological functioning by “day-lighting” currently piped streams or sections of high value streams.

11. Actions should be included to ensure City Council drainage staff is made aware of the importance of wood and other natural materials in streams as habitat for aquatic life, and the need to leave this in place where it is not directly causing significant problems.

12. The performance measures should include ecological indicators to demonstrate no net environmental degradation due to stormwater disposal.

6.9.5 Sustainable Environment

13. The gully guide needs to be expanded to provide guidance on how to plant riparian areas to encourage instream values such a provision of shade, organic matter inputs, bank stability and general habitat for aquatic life. Planting guidance could include the importance of riparian trees as roughness elements for slowing down peak flow velocities and reducing bank erosion problems. Guidance could also be provided on stream restoration measures such as the importance of providing fish passage and protecting seepages.

6.9.6 Transport – Road network management

14. A performance indicator should be added to indicate the number of road culverts that have been remediated to encourage passage for native fish, which keeping pest fish out of streams.

15. Stream names should be placed on bridges where road crossings occur to increase public awareness of these biodiversity assets within the city.