

Memorandum

8 September 2017

To:	Puketāpapa Local Board members
CC:	Victoria Villaraza – Relationship Manager, Mary Hay – Senior Local Board Advisor, Ben Moimoi – Local Board Advisor, Brenda Railey – Democracy Advisor, Fran Tian – Healthy Waters Operations Central Team Manager, Neil Prendeville – Auckland Transport Programme Manager – Local Boards, Lorna Stewart – Auckland Transport Elected Member Relationship Manager
Subject:	Advice on tetra trap installation in the Puketāpapa Local Board area
From:	Candice Ho, Relationship Advisor, Infrastructure and Environmental Services

Purpose

1. To provide background information to assist the Puketāpapa Local Board's decision-making on budget allocation for tetra traps at its Infrastructure and Heritage Cluster Meeting on 13 September 2017.
2. The board have indicated they will consider funding in the range of \$5,000 to \$30,000, and requested further advice from staff on what can be achieved within this indicated budget. This memorandum has been prepared by Healthy Waters staff in response to this request for advice.

Summary

- Auckland Transport have proposed the Puketāpapa Local Board consider allocating funding from the Puketāpapa Local Board transport capital fund budget of \$1,268,661 for the installation of tetra traps in the Puketāpapa Local Board area.
- Auckland Transport initially proposed the board fund \$100,000 to \$120,000 to support the installation of 92 tetra traps to complete the Onehunga Bay Catchment started by Maungakiekie Community Board.
- The board have indicated they will consider funding in the range of \$5,000 to \$30,000, and requested further advice from staff on what can be achieved within this indicated budget.
- Tetra traps provide physical barriers within catchpits to prevent floatable pollutants such as plastic bags and bottles entering the receiving environment. They deliver most benefits when installed in areas of high public use and where the receiving environment is ecologically sensitive.
- Healthy Waters staff recommend the board allocate \$30,000 funding to support the installation of up to 25 tetra traps in the catchpits along Denny Avenue, May Road and Gifford Avenue in Mount Roskill, which are high-use areas that will benefit from the installation of physical barriers on catchpits to prevent litter entering the nearby waterways, in particular Oakley Stream. The estimated cost of installation of each tetra trap in a catchpit is \$1,200.
- Healthy Waters will maintain the installed tetra traps at their cost.
- Healthy Waters staff have prepared advice in this memorandum to assist the board's decision-making on budget allocation for tetra traps at its Infrastructure and Heritage Cluster Meeting on 13 September 2017.

Background

3. Auckland Transport have proposed that the board consider funding tetra traps as part of their allocation of the Puketāpapa Local Board transport capital fund budget of \$1,268,661.
4. Auckland Transport proposed the board allocate \$100,000 to \$120,000 of funding to support the installation of 92 tetra traps to complete the Onehunga Bay Catchment started by Maungakiekie Community Board. The estimated cost of installation of each tetra trap is \$1,200 per catchpit.
5. The board indicated a preferred budget of \$5,000 to \$30,000, and requested advice from council staff about the benefits, costs and preferred locations for installing tetra traps within the Puketāpapa Local Board area for this amount of funding. This advice will inform the board's decision-making on 13 September 2017 at its Infrastructure and Heritage Cluster Meeting.

Benefits and costs of installing tetra traps

6. Tetra traps provide physical barriers within catchpits to prevent floatable pollutants such as plastic bags and bottles entering the receiving environment.
7. Tetra traps deliver most benefits when installed in high public use areas, where lots of litter and other wastes can be encountered. Priority sites for installing tetra traps are catchpits that connect to ecologically sensitive streams or high-use beaches.
8. Installing tetra traps aligns with the board's aspiration in its Local Board Plan 2014-2017 that 'our harbour and waterways are restored to greater health and ecological sustainability.'
9. Cost efficiencies for tetra traps may be gained through bulk buying and installation. For funding within the indicated range of \$5,000 to \$30,000, the best estimated cost for each tetra trap installed in a catchpit is \$1,200.
10. Healthy Waters will maintain the installed tetra traps at their own cost.



Image 1 showing an installed tetra trap trapping pollutants from entering waterways

Preferred funding allocation and location for installation

11. As cost efficiencies for tetra traps may be gained through bulk buying and installation, staff recommend that the board support funding of \$30,000 for the installation of 25 tetra traps in the catchpits along Denny Avenue, May Road and Gifford Avenue in Mount Roskill (refer Map 1 showing suggested locations for tetra trap installation along these streets) to achieve the board's vision to restore waterways to greater health and ecological sustainability.
12. Funding of \$30,000 will support the installation of up to 25 tetra traps in catchpits along these streets. These have been identified as suitable locations for the installation of tetra traps as:

