

**Subject:** Annual Plan 2010/11 Activity Report - Flood Control

**Prepared by:** Jürgen Komp

**Meeting Date:** 5/6 May 2010

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## Report to COUNCIL for decision

### SUMMARY

Six submissions to the draft 2010/11 Annual Plan contained comments relating to the Rivers, Land Drainage and Coastal Protection activity. Detailed officer responses and recommendations to these submissions are attached. The issues covered by these submissions were grouped into the following areas:

- Coastal Erosion Protection
- Land Drainage
- Rivers alignment Control
- Flood Control Schemes – Waipaoa.

### RECOMMENDATIONS

That Council

1. receives the report
2. approves the officer responses contained in Attachment 1 - Flood Control activity submissions and responses
3. makes no changes to the draft Annual Plan 2010/11 in relation to this activity.
4. resolves to
  - a. request that a report be prepared for the Operations Committee seeking development contributions to fund the establishment of stormwater and drainage infrastructure in the Aerodrome Road area to support development
  - b. upgrade the Mangatuna Road culvert within existing budgets.

Jürgen Komp  
Activity Manager

Peter Higgs  
Department Manager

## Summary and Response by Issue

For: Annual Plan 2010/11 - FLOOD CONTROL

Issue	Submitter
<b>Land Drainage</b>	
56	Mckenzie, Kay Elaine
<p>Please proceed with the agreed replacement/upgrade of the culvert at Mangatuna Road, Tolaga Bay as per meeting held on 15 February. The submission contains a petition with 66 signatures in support of an upgrade to a much larger culvert appropriate to manage the stormwater approximately 28 metres from the state highway. The community who use the Hinemaura Marae are concerned with the stormwater flooding the access to the state highway during heavy rain. It is continually overflowing the culvert with stormwater. Photos of the flooding from 2005 are also included.</p> <p><i>Officer Response: Investigations on site and along the drain in the State Highway reserve that services the stormwater from the hills showed that the existing culvert crossings actually have two 750mm diameter pipes to take the volume of water flowing from the hills. At the culvert in question there is at present only one 900mm diameter culvert, thus causing the flooding. Adding a second 900mm diameter culvert next to the existing would at least improve the service level but would not reduce the need for evacuation in major flood events. The cost estimated is \$20,000. Officer Recommendation: That there be no change to the draft Annual Plan but, that the culvert capacity be upgraded within the existing budget.</i></p>	
58	Eastland Port Limited
<p>The Matawhero industrial zone drains through land owned by Awapuni Moana Charitable Trust. This land is prone to flooding and any consent for development in the area will require a discharge consent. The trust have indicated they will oppose any new consent for development until existing drainage issues are remedied. Estimates put the cost of improving stormwater at \$265k which is relatively insignificant when compared to what council has already invested in terms of land and infrastructure. This small investment would remove an important obstacle to the development of the zone.</p> <p><i>Officer Response: A report is to be prepared to Council recommending that stormwater and drainage infrastructure be established in the Aerodrome Road area to support development in the area and that it be funded through development contributions. Council has already agreed in principle for water, wastewater and roading infrastructure to be considered in amendments to the Ten Year Plan in 2011/2012. Officer Recommendation: That there be no change to the draft Annual Plan. That a report be prepared for the Operations Committee seeking development contributions to fund the establishment of stormwater and drainage infrastructure in the Aerodrome Road area to support development.</i></p>	
<b>Rivers Alignment Control</b>	
18	Kura and Ned Tibble
<p>The submitters request Council's favourable consideration for financial assistance for the required works as attached to their granted resource consent to excavate an existing shingle beach and use the excavated material to reinstate the eroding true right hand bank of the Poroporo river. See full submission.</p> <p><i>Officer Response: This property has been severely eroded by the Mangoaporoporo river. The submitters request Council assistance to fund repair works. This area is not rated for river protection works and therefore Council does not have any reserves in this area to assist at this time. Officer Recommendation: That there be no change to the draft Annual Plan.</i></p>	
<b>Flood Control Schemes - Waipaoa</b>	
44	Gisborne Chamber Of Commerce
<p>Support the Waipaoa stop bank project.</p>	

## Summary and Response by Issue

For: Annual Plan 2010/11 - FLOOD CONTROL

Issue	Submitter
<i>Officer Response: This submission is in support of the stopbank project. Officer Recommendation: That there be no change to the draft Annual Plan.</i>	
67	Whakapapa, Diana
<p>Suggests that council consult with the Flow Form expert, Iain Trousdell who spoke in Gisborne last month at 2 public meetings. He is an expert in technology that can be used to remedy the unhealthy situations of bodies of water such as lakes and rivers. We have used Flow Form technology and have seen how it can improve the quality of water. Iain has commented on the Waipaoa River and stated that it is unhealthy and that Flow Form could be used to ensure the river has a more natural flow again and will not overflow the banks during rainy seasons. The unhealthy nature of the river is what is causing the overflowing, but this can be remedied by using Flow Form for less than the plan to build up the banks. Iain Trousdell's contact information is: PO Box 25, Napier 4140. Mobile: 275 548 208. Email: iain.trousdell@flowform.net (or see websites - <a href="http://www.flowform.net">www.flowform.net</a>; <a href="http://www.healing-water.org">www.healing-water.org</a>; <a href="http://www.divinewaterfilm.net">www.divinewaterfilm.net</a>; <a href="http://www.designforlife.co.nz">www.designforlife.co.nz</a></p>	
<i>Officer Response: The technology proposed is not a practical solution for the management of significant flood events in the Waipaoa river. Officer Recommendation: That there be no change to the draft Annual Plan.</i>	

### Coastal Erosion Protection

70	Historic Places Trust
<p>Recommends that council make provision in the LTCCP for flood inundation protection works for the Waima area, so as to protect the historic heritage of the area.</p>	
<i>Officer Response: The idea of planning erosion control measures where needed is supported. The funding of the protection works would be by way of 100% targeted rates from those benefitting. The cost of the works would be very high as it is unlikely that it would be affordable by those benefitting. Officer Recommendation: That there be no change to the draft Annual Plan.</i>	