



**greater WELLINGTON**  
REGIONAL COUNCIL  
Te Pane Matua Taiao

# Jim Cooke Park Stopbank Reconstruction - Consultation Report

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## **Contents**

Background	1
Feasibility Report	1
Consultation Strategy	1
Public Consultation Timelines	2
Early Consultation Outcomes	3
Formal Consultation Outcomes	6
Overall Summary of Submissions Received	18
Further Investigations	18
Conclusions	19
Recommendations	20
References	20
Appendices	20



## 1. Background

The Reconstruction of the Jim Cooke Park (JCP) stopbank is one of the agreed outcomes of the Waikanae Floodplain Management Plan (WFMP) (Reference 1). The WFMP is a comprehensive plan that was developed in collaboration with the Waikanae and Otaihanga communities, to manage flood risk from the Waikanae River. The WFMP was developed between 1993 and 1997 by Greater Wellington Regional Council (GWRC) and the Waikanae and Otaihanga Communities, and is in the process of being implemented over a 40 year period.

During the floodplain management planning process, the GWRC and stakeholders considered a range of options to manage the flood risks to the agreed 1 in 100 year level, including climate change. The suite of options that was eventually agreed on included the construction or reconstruction of various stopbanks along the Waikanae River, including the reconstruction of the JCP stopbank.

Also included within the suite of agreed options was the realignment of the Waikanae River channel at certain locations, land use planning, community preparedness measures and river management methods such as gravel extraction. These have been mostly implemented to date.

## 2. Feasibility Report

The GWRC Flood Protection Department (FPD) engaged Opus International Consultants Ltd to undertake a feasibility study to determine in conjunction with FPD the preferred extent, alignment and profiles to feasibility design stage for the stopbank. The study investigated a number of options to provide an affordable, secure and sustainable stopbank whilst minimising impacts on community sporting facilities, the environment and the local community (Appendix 1).

## 3. Consultation Strategy

A consultation strategy was prepared in order to inform community groups, organisations, interested and affected residents and the general public of the findings of the review and invite comments and feedback (Appendix 2).

Newsletter #1 was distributed in February 2014, to inform stakeholders and the wider public of the project, key messages, timing, consultation dates and plan of the potential extent of the new stopbank (Appendix 3). It also enabled the commencement of dialogue with key stakeholders regarding the project. 200 newsletters were delivered to stakeholders, including residents adjoining and close to the Jim Cooke Park stopbank project area and further newsletters were placed in KCDC service centres and libraries.

Early direct consultation was undertaken with key stakeholders to inform them of the above planning work in order to seek early feedback on potential issues to be addressed as part of the stopbank feasibility study. This included KCDC staff, Waikanae Community Board, Friends of the Waikanae River, Te Ati Awa ki Whakarongotai, GWRC Biodiversity Department, Kapiti Equestrian Centre and Vaulting Club and private landowners with properties adjoining the proposed stopbank.

Newsletter #2 was distributed in August 2014, to inform stakeholders and the wider public of proposed stopbank options, plans, costs, issues and mitigation measures (Appendix 4). The newsletter included a postage paid feedback form for people to provide the FPG with their comments on the proposals. The newsletter was sent to all stakeholders identified in the consultation strategy. This included approximately 300 newsletters delivered to properties on or adjoining the proposed stopbank and within the predicted 1 in 100 year floodable areas. Further newsletters were placed in KCDC service centres and libraries for the general public. Public notices were placed in two local newspapers on two occasions and information was also placed in “Our Regions” publications (Appendix 5). The newsletter and public notices provided methods of how people could obtain more information on the project such as speaking to FPD staff, visit the GWRC web site or attend the open day on 16 August. The GWRC web site and open days included the following information:

- Copies of the newsletters
- The feasibility report
- Plans and cross section of two stopbank options (standard stopbank and standard stopbank and floodwall combination)
- The ecological assessment report

Approximately 60 people attended the open day at which three FPD staff were available to answer questions about the project. FPD staff also arranged site visits with 15 property owners to discuss issues relating to the proposals near to their properties.

#### 4. Public Consultation Timelines

<b>Task</b>	<b>When</b>
Newsletter #1 to stakeholders and community	February 2014
Meetings with KCDC staff, Waikanae Community Board, KCDC Environment Committee and other key stakeholders	February-October 2014
Meetings with landowners adjacent to stopbank	February-October 2014
Meetings with Friends of the Waikanae River	February- October 2014
Newsletter #2 to stakeholders and community	August 2014
News release, public notices and GWRC web site	From 6 August 2014
Public open day	16 August 2014
Consultation period closed	15 September 2014

Ongoing meetings with interested parties	September 2014 onwards
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## 5. Early Consultation Outcomes

Early consultation was undertaken with key stakeholders to inform them of the planning and investigations being undertaken in order to seek early feedback on potential issues to be addressed as part of the stopbank feasibility study.

SUMMARY OF MEETING	RESPONSE
<p><u>KCDC</u></p> <p>Sean Mallon, KCDC Director for Infrastructure, requested in August 2013 on behalf of KCDC, that floodwall option remained for consideration in the feasibility report.</p>	<p>Graeme Campbell responded that he can confirm that we (FPD) will consider all options.</p>
<p><u>KCDC</u></p> <p>FPD and KCDC staff met on 19 December 2013 to discuss the project and any potential issues.</p>	<p>FPD staff advised that consideration would be given to:</p> <ul style="list-style-type: none"> <li>- a standard stopbank (preferred by FPD) and retaining wall options</li> <li>- KCDC stormwater proposals through the stopbank</li> <li>- Land entry and purchase</li> <li>- Maintaining Jim Cooke Park sports field usage if possible</li> <li>- River walkway</li> <li>- Maintaining river ecology</li> <li>- Friends of the Waikanae River nursery</li> <li>- Community engagement</li> </ul>
<p><u>Waikanae Community Board</u></p> <p>FPD staff gave a presentation to the Waikanae Community Board on 11 February 2014 outlining the background to the project, the current flood problem, project area, issues, consultation stages and programme.</p>	<p>FPD staff in response to questions advised that:</p> <ul style="list-style-type: none"> <li>- Gravel extraction would continue to maintain the channel flow capacity</li> <li>- Consideration will be</li> </ul>

	<p>given on the effects of the larger stopbank on other areas</p> <ul style="list-style-type: none"> <li>- Ongoing consultation and reporting back would occur</li> </ul>
<p><u>KCDC Environment Committee</u></p> <p>FPD staff gave a presentation to the KCDC Environment Committee on 27 March 2014 outlining the background to the project, the current flood problem, project area, issues, consultation stages and programme.</p>	<p>FPD staff in response to questions advised that:</p> <ul style="list-style-type: none"> <li>- Detailed consultation will be undertaken to account for residents views</li> <li>- Stopbank materials will be source from the river berms and local quarries</li> <li>- Care to be taken during construction to minimise disruption</li> </ul>
<p><u>Friends of the Waikanae River (FWR)</u></p> <p>FPD staff met with FWR on 25 February 2014 to discuss the project advising them of the current flood problem, project area, issues, consultation stages and programme.</p>	<p>FPD staff in response to questions advised that:</p> <ul style="list-style-type: none"> <li>- Wider coverage of the project would be undertaken</li> <li>- More copies of the newsletter would be place in the library</li> </ul>
<p><u>Te Atiawa ki Whakarongotai</u></p> <p>FPD staff gave an overview of the project to Iwi representatives at an Iwi walkover of the Waikanae River on 12 April 2014 and requested if there were any specific issues that were of concern.</p>	<p>Iwi representatives did not have any specific areas of concern about the project.</p>
<p><u>Glen and Lyn McIntyre, 12 Paretai Grove (Kapiti Equestrian Centre and Vaulting Club)</u></p> <p>FPD staff met Glen and Lyn on 5 March 2014 to discuss the proposed stopbank upgrade which partly runs through the east section of the Equestrian Centre property. Graeme Campbell advised he wishes the stopbank and land within the river corridor be brought into public ownership and raised the possibility of a land swap with KCDC area on other side of river. Glen said the club would need to be fully compensated for any loss of the property.</p>	<p>FPD to research option for land purchase.</p>
<p><u>Glen and Lyn McIntyre, 12 Paretai Grove (Kapiti Vaulting Club)</u></p> <p>FPD staff met Glen and Lyn on 22 July 2014 to advise</p>	<p>FPD to carry out further</p>



<p>that Flood Protection Department are recommending that the existing stopbank through the Equestrian Centre be reconstructed and that a new stopbank be constructed between the existing Jim Cooke Park stopbank and the Chillingworth stopbank. GWRC wish to either purchase the stopbank and 5m buffer strips either side or purchase the whole property.</p>	<p>investigation of the stopbank purchase options and advise Glen and Lyn in due course.</p>
<p><u>Waikanae Association Football Club</u></p> <p>FPD staff met with Dave Hardy, the club's representative on 3 December 2013 to discuss the proposed stopbank. FPD staff advised that the new stopbank would probably extend into the field by up to 20m however number of options will be developed as part of the feasibility study for the stopbank. The consent for the lights included a requirement for the floodlights to be relocated at the clubs expense when the stopbank was reconstructed.</p>	<p>FPD to keep the Football Club informed on progress with the feasibility study outcomes.</p>
<p><u>Urs Gerber, 15 Charnwood Grove</u></p> <p>Mr. Gerber approached FPD staff at Jim Cooke Park on 19 May 2014. He said he was badly affected by the proposed stopbank as the boundary was in his lawn and close to his house. Also the removal of trees would affect him badly. His neighbours would be similarly affected. He requested the stopbank be further set back from his property to protect the trees and his privacy.</p>	<p>FPD response was that he should confirm his concerns in writing, once proposals have been completed.</p>
<p><u>Bob Stevenson, 6A Charnwood Grove</u></p> <p>Rang on 4 September to discuss need to remove trees from stopbank and buffers.</p>	<p>FPD staff explained need for this.</p>
<p><u>Allan and Shirley Simpson, 77 Nimmo Avenue East</u></p> <p>Shirley telephoned FPD staff to express concern about effect of a new stopbank. GWRC staff visited their property on 7 Feb 2013. Their concerns with the KCCD land behind their property are; (1) Privacy if public access provided. They don't want any formal public access (2) KCCD have allowed them to develop and maintain improvements (3) They have spent 1000's to develop land (4) Happy to repair any flood damage (5) Need ongoing access to maintain with ride on mower (6) Would prefer small wall in line of large mcs</p>	<p>FPD staff said they noted their concerns and would keep them informed about developments.</p>

<p><u>David Roil, 266 Te Moana Road</u></p> <p>Email of 9 April to advise about the 2008 flood surge levels at his boundary and his concern that section of “terrace” bank by their fence has no protection and this is the cusp of the bend in the stopbank so will be subject to the greatest stress from flood current. This section is also the narrowest portion of the stopbank.</p>	<p>FPD staff said they noted their concerns and would keep them informed about developments.</p>
<p><u>Ange Sherring</u></p> <p>Concerned that when the existing stopbank gets wet it is slippery and she sees many people fall over. As there are grandparents that love to watch their grandchildren she feels that something should be put in place to make things safer.</p>	<p>FPD staff response was that: Proposals for upgrading the stopbank are shown on Regional Council web site <a href="http://www.gw.govt.nz/current-and-upcoming-projects/">http://www.gw.govt.nz/current-and-upcoming-projects/</a>.</p> <p>The options for replacing the stopbank are:</p> <ol style="list-style-type: none"> <li>1. A standard earth stopbank with 5m wide crest (top) and 3.5:1 batters (side slopes). The proposed batters or slopes will be less steep than at present.</li> <li>2. A concrete retaining wall</li> </ol> <p>Both options will provide safer access than presently exists. We are currently consulting with the community on which option to take forward for resource consent for construction.</p>

## 6. Formal Consultation Outcomes (6 August to 15 September 2014)

34 submissions were received from organisations and individuals in writing or during recorded discussions. These are summarised below together with responses to date provided by GW officers.

SUMMARY OF SUBMISSION	FOLLOW UP/RESPONSE
<p><u>Waikanae Community Board</u></p> <p>FPD staff gave a presentation to the Waikanae Community Board on 9 September 2014 that covered:</p> <ul style="list-style-type: none"> <li>• Background</li> <li>• Problems with the existing stopbank</li> </ul>	<p>A further meeting will be arranged to provide an update of the community consultation outcomes and to discuss gravel</p>

<ul style="list-style-type: none"> <li>• Flood Map showing vulnerable areas</li> <li>• Proposed Stopbanks</li> <li>• Issues:             <ul style="list-style-type: none"> <li>– Tree removal along stopbank footprint and buffers - The Chair commented on the removal of trees and it was advised that landowners and the Friends of the Waikanae River had been approached and informed of the plans. There had been a general acceptance from most landowners to remove the trees as they recognised the need for a stop bank to protect the properties. Cr Wilson added that the Friends of the Waikanae River had adopted this plan and noted that some trees could be uplifted successfully.</li> <li>– Ecological Assessment: Conclusions and Recommendations – compensatory plantings would be undertaken for the areas of vegetation which were lost.</li> <li>– Encroachments by adjoining landowners</li> <li>– Standard stopbank effects on JCP sports field</li> <li>– Land ownership at west end (Equestrian Centre) – negotiations continuing with landowners</li> </ul> </li> <li>• Stopbank and Floodwall options – As a result of the study GWRC had received no support for a floodwall</li> <li>• Progress to date including surveys, discussions, presentation and newsletters – feedback was continuing</li> <li>• Feedback received to date             <ul style="list-style-type: none"> <li>– 16 written submissions – 14 support the standard stopbank 0 supports for a floodwall and 2 felt a stopbank was unnecessary. 5 submissions requested trees near the boundary be saved.</li> <li>– after a site visit with the Friends of the Waikanae River they advised they wished to start removing young trees at the east end of the proposed stopbank</li> </ul> </li> <li>• Next steps include             <ul style="list-style-type: none"> <li>– ongoing meetings with stakeholders</li> <li>– negotiations with landowners</li> <li>– report back to Council on consultation outcomes and recommendations for a preferred option</li> <li>– lodge resource consent</li> <li>– complete design and land negotiations by Sept 2015</li> </ul> </li> </ul>	<p>extraction</p>
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<p>- Complete construction by June 2017.</p> <p>The committee expressed concern for local residents affected by the removal of trees adjacent to their boundaries. The removal of trees would detrimentally affect their privacy, shelter, security and enjoyment of bird life.</p> <p>The Chair thanked Ms Carter and Mr Nauta for their attendance and their detailed presentation.</p> <p>It was also reiterated that gravel extraction remains on the agenda and discussions would continue.</p>	
<p><u>Waikanae Community Board</u></p> <p>FPD staff gave a presentation to the Waikanae Community Board on 21 October 2014 that covered:</p> <ul style="list-style-type: none"> <li>• 1 in 100 year flood map for JCP Stopbank breach at upper end;</li> <li>• Proposed Stopbanks;</li> <li>• Stages of Consultation (starting early 2014 and continuing to early 2015);</li> <li>• Issues (including tree removal, JCP effects, construction effects, encroachments and options);</li> <li>• Feedback received to date (including 30 submissions supporting the stopbank and 2 against. A number of residents had requested the stopbank be moved towards the river at 4 locations to retain a strip of existing trees near the boundary.</li> <li>• Next Steps:             <ul style="list-style-type: none"> <li>- modifying the stopbank location/design where possible to allow existing trees to remain along the boundary, where flood effects are minimal;</li> <li>- ongoing meetings with stakeholders;</li> <li>- encroachments to be addressed;</li> <li>- negotiations with equestrian centre owners continuing;</li> <li>- report back to GWRC on consultation outcomes and recommendations for preferred alignment and land purchase;</li> <li>- lodge resource consent by mid-2015, subject to land negotiations; and</li> <li>- Completing the construction by June 2017).</li> </ul> </li> </ul> <p>The Chair welcomed Regional Councillor Nigel Wilson to the meeting at 8.15pm.</p> <p>Members appreciated that GWRC had addressed the</p>	<p>A further meeting will be arranged to provide an update and seek support of the proposal for resource consent.</p> <p>Newsletter #3 delivered to Chairman on 11 December 2014.</p>

<p>Board’s concerns expressed at the last meeting, particularly in relation to trying to retain some trees along the residential boundary. The flood risk to Waikanae was very real and floods in the late 1950’s caused large areas of Waikanae north of the river to go under water.</p> <p>Mr Nauta advised they would return to the Waikanae Community Board at a later date to update Members on progress.</p>	
<p><u>Friends of the Waikanae River (FWR)</u></p> <p>The Friends understand that a serious flooding risk to a large number of houses exists with the current flood protection measures in the region of Jim Cooke Park. The FWR support the construction of the standard stopbank in the location shown on the map provided by Kees Nauta to our meeting on 9<sup>th</sup> September in order to protect these houses.</p> <p>The Friends ask that the final design of the stopbank achieves the following:</p> <ol style="list-style-type: none"> <li>1) The least possible damage to existing plantings of trees undertaken by the Friends in past years.</li> <li>2) Access grades for paths across the stopbank are at least 1:12, preferably 1:14.</li> </ol> <p>The Friends recognise that some of their plantings will have to be destroyed but ask that assistance be provided to relocate about a dozen small trees (less than 2m in height) which would require a machine like a digger.</p> <p>The areas of trees impacted by the proposed stopbank include plantings that were undertaken by the Friends either as blocks or under planting large tree species in earlier plantings by others. The Friends felt that replacing Friends plantings that are up to 20 years old, on an area for area basis is not adequate mitigation and doesn’t recognise the time and effort gone into establishing and looking after these trees over the years and the level of maturity reached. It is acknowledged in the last couple of years there has been no maintenance, but this was because the Friends had been told the plantings would likely be removed for the stopbank. We feel that the mitigation should cover a larger area than that removed, and should include the largest planting stock that can be sourced that meets the Environmental Strategy guidelines.</p>	<p>FPD staff replied advising they were in general agreement with the suggestions provided.</p> <p>Site meeting held on 21 August 2014 to mark out extent of stopbank at east end so that FWR can arrange to move small native plants this winter. General feedback was that the extent of tree removal not as bad as thought.</p> <p>Newsletter #3 delivered</p>

<p>The Friends would like removal of poplars and willows to be included in the mitigation works, in particular the poplars between Maple Lane and the River Glade seat (i.e. near XS 345 to XS 360). Improvements to the river environment, in accordance with the Environmental Strategy, could be accelerated by the mitigation work.</p>	
<p><u>Te Atiawa ki Whakarongotai</u></p> <p>FPD staff requested comments be provided to stopbank proposals but <u>Te Atiawa ki Whakarongotai</u> representatives advised that they did not currently have the resources to consider this project given commitments elsewhere.</p> <p>FPD staff attended a hui at the Te Atiawa ki Whakarongotai marae on 6 December 2014 to give presentation of the proposed Natural Resources Plan and the Waikanae River Environmental Strategy. Officers were also available to answer any questions about the proposed Jim Cooke Park Stopbank.</p>	<p>A response to the project will be provided as part of the resource consent process.</p> <p>Newsletter #3 provided</p>
<p><u>Waikanae Association Football Club</u></p> <p>Support stopbank provided GWRC undertake the following work, recognising that the field are used 12 months a year and there will be significant disruption during construction:</p> <ul style="list-style-type: none"> <li>• Existing football field sizes are retained</li> <li>• Any tree roots are removed and topsoil/grass surface reinstated</li> <li>• Floodlights are relocated</li> <li>• Sub-soil drains are installed to the base of the stopbank</li> <li>• Adequate clearance be provide to above ground bore and pump</li> <li>• Trees and/or nets are erected to catch balls from going into the river</li> </ul>	<p>FPD staff will consider the Football Club requests and advise them in due course.</p>
<p><u>N and M Marsden, 13 Alexander Street</u></p> <p>Supports stopbank. Believes threat is very real. Everything that needs to be done should be done. Trees can probably be replanted. Suggests a weir to create a small lake for swimmers.</p>	<p>FPD staff replied thanking them for their feedback, advising that Council will consider their comments and will advise them of the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Bene Little, 6 Charnwood Grove</u></p> <p>Supports stopbank. Thinks it's very good ideas.</p>	<p>FPD staff replied thanking her for her feedback, advising that Council will consider her</p>

	<p>comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Jillian and Urs Gerber, 15 Charnwood Grove</u></p> <p>Agree in principle with stopbank but not at the cost to the environment that removing the existing stopbank and all trees would entail. We would lose our privacy, security and all our lovely, long established trees, which are home to a wide variety of birds. We propose ex SB remain and new higher SB built 5m out from this, in the case of properties 11-155 Charnwood Grove.</p>	<p>FPD staff replied thanking them for their feedback and advising that Council will consider an option to redesign the stopbank to save many of these trees and will advise the decision in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Yvonne and Robin Adair, 11 Charnwood Grove</u></p> <p>Supports stopbank. We have maintained the vegetation on the ex. SB with the permission of KCDC who remove the weeds after we have had a cleaned up. There are some wonderful trees adjacent to our property and the removal of these trees would result in the loss of our enjoyment, shelter, bird life and security. Do not understand that tree roots weaken stopbanks. Request that Council provide new planting to compensate for what is lost. Works should not be undertaken until KCDC has rectified flooding of Charnwood Grove. Neighbours pump stormwater over the stopbank which may not be possible with the new stopbank</p>	<p>FPD staff replied thanking them for their feedback and advising that Council will consider an option to redesign the stopbank to save many of these trees and will advise the decision in due course.</p> <p>Also advised them that KCDC propose to construct a pumping station for Charnwood Grove at the same time the stopbank is built.</p> <p>Newsletter #3 delivered</p>
<p><u>Bob Stevenson, 6A Charnwood Grove</u></p> <p>Supports stopbank. Hates idea of a floodwall. Heard that pumping station is under consideration. This is important project. Wants more trees. Don't care if indigenous.</p>	<p>FPD staff replied thanking him for his feedback, advising that KCDC have advised that they propose to construct a pumping station for Charnwood grove at the same time the stopbank is built. GWRC will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Pamela Phillips, 9A Fleetwood Grove</u></p> <p>Stopbank is clearly evident, with walking track along the top and an occasional seat. Entry and exit through Equestrian Centre is unfriendly for cyclists with present barriers in place. KCDC should buy the land a make it open to more sports, markets and coffee/food kiosk.</p>	<p>FPD staff replied thanking her for her feedback, advising that Council will consider her comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>



<p><u>Alex Malahoff, 37 Greenaway Road</u></p> <p>Email received 13 August advising postal address and requesting to be kept informed. Concerning the topping up of the Chillingworth Stopbank mentioned in the newsletter. How much additional height will be added? If a lot is it your intent to discuss this with us as our property backs onto the stopbank</p>	<p>FPD staff replied that he understand that Mr Malahoff attended the open day on Saturday and that he has a good understanding of what is proposed.</p> <p>It is proposed that the existing stopbank be raised approximately 500mm at the western boundary of your property and tapered to meet existing ground level to the west on Council land.</p> <p>The exact details for terminating the raised stopbank are yet to be decided and we will communicate this to you in due course.</p>
<p><u>Robin and Ferial Falconer, 21 Leybourne Ave</u></p> <p>Supports stopbank not a floodwall. Advised that KCDC proposes to have a parking lot in the paddock where the power pylons are for people to get to new soccer field on the south bank of the river. There needs to be a pedestrian/disability access over SB to Te Arawai Bridge and elsewhere at 1 in 12 (preferably 1:14) gradient.</p>	<p>FPD staff replied thanking them for their feedback, advising that Council will provide pedestrian/disability access over the stopbank.</p> <p>Newsletter #3 delivered</p>
<p><u>Bill Ritchie, 67 Nimmo Avenue East</u></p> <p>Supports stopbank. Requests large macadamia and kauri tree be saved.</p>	<p>GWRC staff advised that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Alan Tolra, 69 Nimmo Avenue East</u></p> <p>Does not support the stopbank or flood wall because it is unnecessary and trees would be removed.</p>	<p>FPD staff advised that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Freda Peake, 71 Nimmo Avenue East</u></p> <p>Supports stopbank. Objects to a concrete wall. Convert track to walkway not a cycle track. Keep trees at boundary for shelter and bird life.</p>	<p>FPD staff replied thanking her for her feedback, advising that Council will consider her comments and will advise the preferred stopbank option in due course.</p>



	Newsletter #3 delivered
<p><u>Anthony Gray, 71A Nimmo Avenue East</u></p> <p>Supports stopbank. Would like some trees be saved near to his boundary</p>	<p>FPD staff replied thanking him for his feedback, advising that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Allan and Shirley Simpson, 77 Nimmo Avenue East</u></p> <p>Supports stopbank. Relieved that a new stopbank is not required behind their property.</p>	<p>Newsletter #3 delivered</p>
<p><u>Alan Blinks and Olwen Jeavons, 5 Nimmo Avenue West</u></p> <p>Supports stopbank. Restrict cycles or motorised vehicles on paths and enforce if required</p>	<p>GWRC staff replied thanking them for their feedback, advising that Council will consider their comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Thomas Henderson, 17 Nimmo Avenue West</u></p> <p>Construct stopbank ASAP considering the changes in our weather pattern. Improve access and signage. Concerned about boundary security/privacy and parking/ speeding on Nimmo Ave West. Suggest a carpark be put in. Suggests more seating, picnic areas and better signage</p>	<p>FPD staff replied thanking him for his feedback, advising that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Janice Metcalfe, 39 Nimmo Avenue West</u></p> <p>Would like a stopbank rather than a floodwall. Does not want a concrete wall. Concerned about big trucks along the road. No trucks till 9am. Replace native trees and fauna.</p>	<p>FPD staff replied thanking her for her feedback, advising that Council will consider her comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>

<p><u>Charles Metcalfe, 39 Nimmo Avenue West</u></p> <p>Supports stopbank rather than a floodwall. Would like to see a time limit for heavy vehicles along Nimmo Ave West. Would like to see native trees and fauna replaced after work is finished</p>	<p>FPD staff replied thanking him for his feedback, advising that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Henry and Valerie Eaton, 5 Paretai Grove</u></p> <p>Firmly against the stopbank or flood wall because of the major disruption it would cause. We have lived in this property for 41 years and in that time the river has overflowed the banks once and that was minor</p>	<p>FPD staff replied thanking them for their feedback and confirming that their concern is mainly related to the loss of trees along their boundary, within the Vaulting Centre land. Council will consider an option to move the stopbank to save these trees and will advise the decision in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Dave Stewart and Steve Okane, 9 Paretai Grove</u></p> <p>Supports stopbank, not the wall. Would like to be involved in understanding the fencing and tree removal. Keep informed. Council should buy the entire paddock behind their house and plant in natives. Plant or provide trees to recover privacy. The buffer zone should be fenced to stop people walking immediately behind our house.</p>	<p>FPD staff replied thanking them for their feedback, advising that Council will consider their comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Mr and Mrs Leslie, 28 Park Avenue</u></p> <p>Supports stopbank. Lower cost to build and repair. Environmentally friendly and aesthetically friendly for residents and visitors.</p>	<p>FPD staff replied thanking them for their feedback, advising that Council will consider their comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Robin Bennett, 28 Puriri Road</u></p> <p>Supports stopbank.</p>	<p>FPD staff replied thanking him for his feedback, advising that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>

<p><u>David Robertson, 35 Rosebank Grove</u></p> <p>Supports stopbank. Urgently needed. Enhance the river bank for recreation. Ensure the number of trees planted is at a high level. Keep walking/cycling tracks and maintain them better. No problem with removing 4000m<sup>2</sup> of trees provided others are planted.</p>	<p>FPD staff replied thanking him for his feedback, advising that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Michael Hughes, 236 Te Moana Road</u></p> <p>Supports stopbank. Suggests improving weather resilience of walking tracks (puddles) and at entrance to Greenaway Road carpark. Also supports willows/ weeds removal, toilet at Greenaway Road and more seating</p>	<p>FPD staff replied thanking him for his feedback, advising that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>David Laurenson, 244, Te Moana Road</u></p> <p>Supports stopbank.</p> <p>Has advised new landowners of his subdivision that:</p> <p>You will have no doubt heard about work to the James Cook Park stop bank proposed by Greater Wellington Regional Council. However work is also proposed on the Chillingworth stop bank which basically runs along our river boundary and which was built in the 1990's.</p> <p>It is proposed to increase the height of this, move it more towards to the river and be set back around 5 meters from our boundary.</p> <p>Impacts on our properties should be minimal apart from noise and dust during construction. I am not sure when this is being built.</p> <p>I am putting in the mail to each of you a mail out from GWRC.</p> <p>The point of contact at GWRC for any question is Kees Nauta who I spoke to last week. I have copied this email to him and his phone number is 04 830 4183 if you have any questions.</p>	<p>FPD staff replied thanking him for his feedback, advising him of general proposals and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Jane Santos, 252 Te Moana Road</u></p> <p>Prefers a stopbank.</p>	<p>FPD staff replied thanking her for her feedback, advising that Council will consider her comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>

<p><u>Margaret Roil, 266 Te Moana Road</u></p> <p>Strongly supports stopbank, not a floodwall. SB greater priority than environmental disruption. Remove trees from stopbank to provide optimum flood protection as the priority to Waikanae residents. The effect of flooding will affect more homes than those just along the river. This is a major priority over environmental disruption. Retain Equestrian Centre because it provides a number of activities for young people and disabled and is an asset to the community. Replanting areas and walkways along the river will enhance use by the public. Does not want public space on Equestrian Centre land. Leave the Equestrian Centre where it is.</p>	<p>FPD staff replied thanking her for her feedback, advising that Council will consider her comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>David Roil, 266 Te Moana Road</u></p> <p>Supports stopbank. Imperative for Waikanae residents that the stopbank contain the maximum flood levels. Should not be the prerogative of individual residents to object to on simple issues like trees having to be removed. Consider shifting the stopbank a metre to preserve critical trees. GWRC needs to more expressly outline damage caused by the 1954 floods. Retain equestrian centre as is a suitable use for this area and far better than a public space with no continuous maintenance and security. This is a very well run non-profit community facility (of international acclaim) Complaints body should be put in place. Move SB and boundary fence for minor encroachments (under 0.5m).</p>	<p>FPD staff replied thanking him for his feedback, advising that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Janie and Ian Hall, 268 Te Moana Road</u></p> <p>Concerned that removal of trees by their roots in buffer strip by boundary will damage their entangled tree roots, de-stabilise their land and negatively impact the mature native trees on their land. Suggest hard fill on the buffer to inhibit tree root growth to SB. Request that buffer strip access be constructed 2m from boundary. Otherwise request an expert opinion about the current proposal has to compromise/destabilise their native trees and land. Would require guarantees that the large machinery would not cause unintentional damage. Request type of boundary fence if current proposal chosen if the current proposal is chosen.</p>	<p>FPD staff replied thanking them for their feedback, advising that Council will consider their comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>

<p><u>John Buckerfield, 2 Walton Avenue</u></p> <p>Supports stopbank. The project seems necessary and has been well thought through. More small stones/grit layer on foot/cycles path</p>	<p>FPD staff replied thanking him for his feedback, advising that Council will consider his comments and will advise the preferred stopbank option in due course.</p> <p>Newsletter #3 delivered</p>
<p><u>Malcolm Vincent</u></p> <p>There has been a lot of flooding since the decision years ago to cease taking gravel from river for use in concrete products and roading. The removal of thousands of tonnes of rock and gravel should be reinstated and the flooding problem will be fixed again.</p>	<p>FPD response was that: The Flood Protection Departments policy on gravel extraction is to undertake gravel extraction from the river annually, in locations that provide the maximum benefits to the river channel management. The aim is to ensure that the total gravel balance below the KCDC water treatment plant is maintained at the status quo in 1991. Five yearly surveys of the river bed are used to determine the amount and locations of gravel build up and this data is used to determine where and how much gravel is extracted during the following 5 years. Each year our operations team assess where gravel can be extracted and arrange for any required extraction to be done. Our current consent only allows us the extract gravel from the dry beaches along the river channel.</p> <p>Presently the only area where gravel has significantly built up is in the Otaihanga area. As this gravel is located below water level it requires resource consent. We have recently applied for this consent to be included in our resource consent for managing the river. However this or any further gravel extraction will not in</p>

	<p>itself solve the flooding problem for the community. Good quality stopbanks are still necessary to protect large residential areas from a 1 in 100 year flood.</p>
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## 7. Overall Summary of Submissions Received

- FPD staff met with the owners of 15 properties alongside the river corridor who are most directly affected by the stopbank to explain the proposals and gain feedback.
- FPD staff spoke with approximately 60 people who attended the open day on 16 August.
- 32 written or recorded submissions received - 30 support the standard stopbank, 0 support a floodwall and 2 don't believe a stopbank is necessary.
- A number of residential property owners adjoining the stopbank objected to the removal of established trees along the residential boundary, causing loss of privacy, wind protection and ecology.
- Friends of the Waikanae River have supported the standard stopbank option proposed. They request the least possible damage to their trees, access grades for paths across the stopbank are at least 1:12, preferably 1:14 and adequate mitigation is undertaken for trees lost.
- Waikanae Association Football club agree in principle to the repositioning of their existing fields and infrastructure.

## 8. Further Investigations

Following a presentation to GWRC Strategy and Policy Committee Workshop on 28 October 2014, further investigations were undertaken to by FPD staff to determine the feasibility of redesigning or relocating the stopbank to provide an amenity strip adjacent to the boundary in order to retain existing established trees.

The outcomes of this investigation were:

- Moving the stopbank 3m towards the river results in a negligible increase in flood level.
- At a number of locations it has been possible to provide a boundary amenity strip without moving the stopbank closer to the river.
- Retain existing established trees along the boundary will result in a cost saving in removing and offsetting these trees and a cost increase in stopbank material. Overall there is no increase in the estimated cost.
- Retain existing established trees along the boundary will provide a green belt along the northern edge of the river corridor which will screen houses, provide wind protection and retain biodiversity.

The option to provide an amenity strip was discussed with the residents who objected to the original proposals, with the result that all (except 1 person) were supportive of the proposal.

Newsletter #3 was distributed in December 2014, to advise stakeholders and the wider public of feedback received regarding the stopbank options and the next steps (Appendix 6). Information was also placed in the “Our Regions” publication. The newsletters advised that the Council would take up many of the suggestions received and progress them as follows:

- Adopt the standard stopbank option but consider a further option to provide an ‘amenity strip,’ a green strip, in which trees will be retained between the stopbank and the boundary, provided flood effects are minimal. The strip would be approximately 3 metres wide, but this will vary depending upon flood effects, impact on sports fields and stopbank alignment. There will be no amenity strip along the majority of Jim Cooke Park because there is insufficient room if the sports field sizes are to be retained. The original standard stopbank location (without amenity strip) and alternative stopbank location (with amenity strip) are shown on the attached plans in the newsletter. More detailed plans are shown on our website.
- Provide access paths at 1:14 over the stopbank from Nimmo Avenue West and Charnwood Grove.
- Hold further discussions with KCDC about repositioning the sports fields and street stormwater improvements to be undertaken in conjunction with the stopbank reconstruction.
- Keep talking to interested parties.
- Address encroachments and boundary fences.
- Undertake further ecological investigation and develop a restoration plan to ensure that lost ecological values are compensated for by new planting.
- Consider other environmental enhancement opportunities.
- Continue negotiations with the owners of the Kapiti Equestrian Centre and Vaulting Club.
- Report back to the GWRC Council on recommendations for the preferred option and land entry agreement with the equestrian centre owners by March 2015.

## 9. Conclusions

There is overwhelming support by the stakeholders of this project and the general community for the reconstruction and extension of the Jim Cooke Park stopbank to proceed as a standard earth built wall, constructed to withstand a 1 in 100 year flood event, including the recognised allowance for climate change. The option to include two lengths of retaining wall was not supported.

The main objection by a number of residents, supported by the Waikanae Community Board, is that locating the stopbank as close as possible to the residential boundary will



result in removal of a significant number of established trees along the residential boundary, causing loss of privacy, wind protection and ecology.

In order to accommodate the objections of local residents a further option for the stopbank alignment to accommodate a narrow amenity strip of existing established trees was considered. The option has a number of benefits as detailed in Appendix 7. Overall it is thought that the benefits to the environment outweigh the cost. The cost difference will reduce significantly if objections to the original proposal result in objections and resource consent/environmental court hearings.

## **10. Recommendations**

That GWRC proceed with a resource consent based upon a standard stopbank with a narrow amenity strip along the residential boundary that retains mature trees where possible.

## **11. References:**

1. Landcare Division, WRC (1997), Waikanae Floodplain Management Plan

## **12. Appendices:**

1. Feasibility study, Opus International Consultants Ltd (WGN DOCS # 1388975)
2. Consultation Strategy (WGN DOCS # 1282917)
3. Newsletter #1, February 2014 (WGN DOCS # 1322644)
4. Newsletter #2, August 2014 (WGN DOCS # 1392238)
5. Public notice (WGN DOCS # 1391407)
6. Newsletter #3, November 2014 (WGN DOCS # 1435302)
7. Options comparison (WGN DOCS # 1445985)