

Waitohu Stream Study – Implementation of Recommendations						
	Recommendations	Who – (Organisation/s - Person)	What Action	When (Timing)	How	Follow up
	Measures that can be implemented now					
5.1	Continue using planning controls on future development of the floodplain as the primary means of mitigating the flood risk	Kapiti Coast District Council (KCDC) Greater Wellington (GW) Catchment Management Division (CM)	Letter to KCDC with updated flood spread information. Check Plan Change 50	As soon as possible after September Landcare meeting – September/Oct 2006.	Letter	Meeting with KCDC. Maps -GW
5.2	Publish flood extent maps for smaller floods and make the maps available to KCDC	Greater Wellington (CM) Kapiti Coast District Council	Discussion with KCDC. Provide flag about 100 year flood extent and frequency and extent of smaller events. Encourage KCDC to include more explicit statements about floor level advice etc in PIMs/LIMs and other advice KCDC provides to the public.	As soon as possible after September Landcare meeting – September/Oct 2006.	Letter	Meeting with KCDC. Maps - GW
5.3	Facilitate the quick drainage of flooded areas	Greater Wellington - CM Kapiti Coast District Council and landowners	GW will provide advice where needed / requested. GW will take a proactive role with keeping the Siphon clear – include regular programmed inspections – once a year and after a significant fresh (2 year event). Ensure landowners are aware of their responsibilities to keep drains clear.	To start as soon as possible.	Include in work programme. Reminder letter to residents/landowners to keep drains clear and who to contact for advice.	Work Programme and through Quarterly reporting. Decision needs to be made by GW whether there is a need to set up a maintenance arrangement” with access on private land

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5.4	Clear the lower reaches of the Waitohu Stream of overgrown willows and other obstructions	Greater Wellington - CM	Phone call / letter to landowners and KCDC clarifying what GW does.	After discussion with KCDC – Oct/Nov 2006.	Phone call / Letter – October/ November 2006	If required
5.5	Manage the stream channel between Ringawhata Road and Taylors Road Bridge to the design channel and buffer zones proposed in Figures 4 and 6.	Greater Wellington - CM	Attach maps from summary report showing extent of proposed work.			
5.6	Manage the stream channel downstream of Taylors Road Bridge	Greater Wellington - CM	Development works programme in line with summary report	Walkover to establish programme of works	August 2006	Prepare work programme – Sept/Oct 2006
			Clarify land owners responsibilities Develop process if landowners want to look at undertaking additional work on their properties.	Respond within 48 hours to landowners who ring for assistance	Phone call and or site visit as required.	As required
5.7	Undertake gravel extraction, within the identified zone	Greater Wellington - CM	Remove 1500m ³ annually on average.	As per work programme.	As per work programme.	Work Programme through Quarterly reporting
5.8	When bridges are replaced or upgraded, require that they are constructed to allow at least a 100 year flood to pass unobstructed (unless there is an adequate secondary flow path and no adverse upstream effects)	Kapiti Coast District Council Ontrack Transit NZ	Bridges are generally too short however they are unlikely to be upgraded until they are replaced. Need to discuss this with each agency.	Dec 2006	Letter / phone call KCDC to be raised with other recommendations above.	If required
5.9	Encourage the management of streamside vegetation through Greater Wellington's existing policies and programmes	Greater Wellington - CM	Promote the Streams alive programme in the catchment, including the Mangapouri	As per work programme.	As per work programme	Work Programme through Quarterly reporting

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			Stream Liaise internally with CM. Walkover by Catchment staff to review proposed work programme. Where possible incorporate Riparian programme into overall Waitohu Stream work programme and budgets	August 2006 Sept/Oct 2006	Walkover Include in work programme for stream	Work Programme and Quarterly Reporting
5.10	Adopt the following guidelines for future mouth cutting <ul style="list-style-type: none"> • Increase the frequency of cutting. It is anticipated that typically, an average of twice a year will be adequate. • Reduce the distance the mouth meanders to the north to about 750 metres rather than the 1000 metres at present before cutting it. This will allow the mouth to move, but not too drastically, avoiding erosion of the dune system; and • Cut the mouth along the alignment shown in Figure 12. 	Greater Wellington - CM	Guidelines completed and sent out to adjoining landowners, Otaki Depot and KCDC Draw up detailed operational procedures document.	As per guidelines Mouth cut in August 2006 August /September 2006	Include in work programme for stream	Coastal Plan – Review Feb 2007. Talk to land owners As above
5.11	Continue and improve monitoring water quality parameters, species diversity and flood flows and report on the results annually	Greater Wellington – Environment Management Division	Do some high flow gaugings to confirm the rating curve (river level-river flow relationship). Continue to monitor the state	Ongoing	As per state of the environment monitoring strategy	Regional Freshwater Plan review

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			of the environment monitoring site on the Waitohu Stream monthly. Report trends annually.			
Further Investigations						
5.12	Improve existing flood warning systems	Greater Wellington, Kapiti Coast District Council and community representatives	<p>GW needs to calibrate gauges and improve rating curve. Agree triggers and determine triggers with the community.</p> <p>Facilitate KCDC and community to increase river watch – Convent Rd /Ngatotara. Community needs to agree network with KCDC</p>	ASAP with KCDC	GW information – when there is a problem. What warnings do the community want. Phone system?	
5.13	Undertake further detailed studies on Convent Road/Bennett’s Road flooding and potential options.	Greater Wellington	<p>Three projects potentially to be investigated.</p> <p>There is potential for substantial work needing to be done. If these works are to be progressed Phase 2/3 FMP work would need to be undertaken (although only for specific areas of the stream identified in the summary report). Investigations would focus on potential structural / non-structural solutions – split</p>	December committee meeting	Committee report	Revisit again in Feb/March 2007.

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			out from the Otaki Floodplain Management Plan..			
5.14	Review the proposed Mangapouri channel enlargement (as currently included in the Otaki River FMP) and either confirm or remove as an intended future work	Greater Wellington	Requires substantial work to be undertaken. (Refer to comments above).			
5.15	Continue investigating the causes of Mangapouri Stream pollution	Greater Wellington Environment Management Division, KCDC	Work with KCDC on the effect of stormwater contamination of the stream	June 2007	Through the stormwater steering group	Adopt actions to address stormwater contamination of the Mangapouri Stream in the Stormwater Action Plan
5.16	Assess all grade control structures in the Waitohu Stream to see whether they are still required	Greater Wellington	Undertake during walkover	August 2006	Walkover	Annually – through Work Programme – Quarterly reporting
Other Work						
	Waitohu Resource Consent	Greater Wellington	Resource consent needs to undertake maintenance activities including gravel extraction needs to be renewed in 2007	March 2007	Notified/Non-notified consent increase existing term from 3 to 15 years.	Report progress as required
Reporting						
5.17	Report back to the Landcare and Environment Committees of Greater Wellington annually on progress in implementing recommendations	Greater Wellington	Report back on progress to committee	Annually	Committee Report	As required