

## February 2004 Flood Damage Estimates

<b>Hutt River</b>						
LOCATION	BANK	DESCRIPTION	WORK REQUIRED	LENGTH	COST	FUNDING
Hutt River	LB/RB	Erosion at Totara Park, damage to access tracks and river trail.	Crossblade at Totara Park, minor repairs. All work can be accommodated within the existing maintenance budget.		\$75,000	Maintenance

<b>Wellington Watercourses</b>						
LOCATION	BANK	DESCRIPTION	WORK REQUIRED	LENGTH	COST	FUNDING
<b>WCC</b>						
Porirua Stream		Fallen trees and debris removal.	Clear as required.		\$25,000	Flood damage
<b>PCC</b>						
Porirua Stream		Fallen trees, debris removal, gravel removal from City Centre section.	Clear as required.		\$8,000	Flood damage
Keneperu Stream		Fallen trees and debris removal.	Clear as required.		\$2,000	Flood damage
<b>HCC</b>						
Korokoro Stream		Repair of damage to debris arrestor and removal of debris.	Rail iron work and clearance of debris as required.		\$2,700	Flood damage
Wainuiomata River		Major damage to willow lines, accumulation of large amounts of metal and areas of erosion.	Replace willow lines, remove metal as required and repair erosion.		\$130,000	Flood damage
Speedy's Arrestor		Repair of damage to debris arrestor and removal of debris.	Concrete blocks and iron work. Clearance of debris as required.		\$18,000	Flood damage
Waiwhetu Stream		Major tree and debris removal.	Clear as required.		\$21,000	Flood damage
<b>UHCC</b>						
Collins Stream		Fallen trees.	Clear as required.		\$1,000	Flood damage
Mangaroa River		Fallen trees and debris removal.	Clear as required.		\$3,000	Flood damage
<b>Estimated total cost</b>					<u><u>\$210,700</u></u>	

**Note**

The damage to willow lines in the Wainuomata River will require additional funding over the next couple of years so that willow lines lost can be replaced.

## February 2004 Flood Damage Estimates

<b>Otaki River</b>						
LOCATION	BANK	DESCRIPTION	WORK REQUIRED	LENGTH	COST	FUNDING
Mansells	LB	Bank Erosion.	Cross blade and replace edge protection.	300	\$4,000	Maintenance
Lutz	RB	Repair Debris Fences.	Straighten iron or replace if necessary.	120	\$20,000	Maintenance
Hughes/Lutz	RB	Haul Rd undermined.	Crossblade to secure alignment. In the long term move haul road back.		\$26,000	Flood Damage
Barrets	LB	Edge protection works eroded.	Install 4 new debris fences.	180	\$55,000	Flood Damage
Mangahenene	LB	Bank Erosion.	Reinstate and plant as temporary work until Capital funding available.	200	\$25,000	Flood Damage
Haul Road	LB	Erosion of surface.	150m3 of quarry burden spread to reinstate surface.		\$6,000	Maintenance
<b>Estimated total cost</b>					<b>\$136,000</b>	
LOCATION	BANK	DESCRIPTION	WORK REQUIRED	LENGTH	COST	FUNDING
Winstones	RB	Vegetative edge protection eroded and to within 10m of the toe of the town stopbank.	New toe rock lining.	200	\$206,000	Capital

<b>Waikanae River</b>						
LOCATION	BANK	DESCRIPTION	WORK REQUIRED	LENGTH	COST	FUNDING
Falconers	RB	Bank erosion.	Reinstate river alignment, repair bank edge with concrete blocks and willows.	60	\$10,000	Flood Damage
Pylon Corner	RB	Bank Erosion.	Fill with concrete blocks as a temporary repair until capital works are constructed.	40	\$5,000	Maintenance
<b>Estimated total cost</b>					<b>\$15,000</b>	

<b>Kapiti Watercourses</b>						
LOCATION	BANK	DESCRIPTION	WORK REQUIRED	LENGTH	COST	FUNDING
Mangaone	Both	Channel blockages.	Remove trees and Machine clean drain.		\$3,000	Maintenance
Waitohu	Both	Channel blockages.	Remove trees by hand clearing.		\$1,500	Maintenance
Waimeha		Minor damage.				
Ngatoko		Minor damage.				
<b>Estimated total cost</b>					<b>\$4,500</b>	

## February 2004 Flood Damage Estimates

<b>Isolated works - estimated subsidy requirement</b>						
<b>LOCATION</b>	<b>OWNER</b>	<b>DESCRIPTION</b>	<b>WORK REQUIRED</b>	<b>LENGTH</b>	<b>COST OF REPAIR</b>	<b>SUBSIDY @ 30%</b>
Akatarawa River	John Raffan	Bank Erosion.	To be finalised.		\$3,000	\$900
Horokiri Stream	Andrew Bence	Bank Erosion.	Tethered willows and crossblading.		\$3,000	\$900
Horokiri Stream	Lynne Toomey	Concerned about Horokiri stream undermining pig sty.	Tethered willows and crossblading.		\$8,000	\$2,400
Hutt River	Te Marua Golf Course	Major slip blocking the Hutt River forcing river to flow over the golf course. Considerable damage continuing as river beds in. Any flooding will exacerbate the problem.			\$30,000	\$9,000
Mangaroa River	Deane & Kirsty Somerville	General erosion.	To be finalised.		\$3,000	\$900
Mangaroa River	Marilyn Jensen	General erosion.	To be finalised.		\$3,000	\$900
Mangaroa River	Mike Plant	General erosion.	To be finalised.		\$3,000	\$900
Mangaroa River	Don Robinson	General erosion.	To be finalised.		\$3,000	\$900
Mangaroa River	Colin & Heather Cumming	Erosion and loss of trees.	To be inspected.		\$3,000	\$900
Mangaroa River	Bob Curry	General erosion.	Form gravel beach, debris fences, rock heads, planting		\$50,000	\$15,000
Mangaroa River	Janine Armstrong	General erosion.	To be finalised.		\$3,000	\$900
Pakuratahi River	Steve Wagner	Considerable erosion.	Crossblading and willow planting.		\$10,000	\$3,000
Pakuratahi River	Quinn Wright	Considerable erosion.	Crossblading and willow planting.		\$15,000	\$4,500
Pauatahanui Stream	Judgeford Golf Course	Flooding.	Some gravel removal and some low bunding.		\$5,000	\$1,500
Pauatahanui Stream	Terry Dorin	Erosion .	Gabion baskets.		\$6,000	\$1,800
Paekakariki	John Perkins	Channel Blockages.	Machine clearing.		\$4,000	\$1,200

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LOCATION	OWNER	DESCRIPTION	WORK REQUIRED	LENGTH	COST OF REPAIR	SUBSIDY @ 30%
Wainuiomata River	HCC	Erosion threatening Coast Rd near to number 204.	Cost to cover advice time.		\$1,000	\$300
Wainuiomata River		Damaged ford	To be inspected		\$2,000	\$600
<b>Potential total cost</b>					<b>\$155,000</b>	<b>\$46,500</b>
<b>Estimated total cost (based on 75% uptake)</b>					<b>\$116,250</b>	<b>\$34,875</b>
<b>Based on estimated total subsidy cost of \$35,000</b>						
<b>Estimated total subsidy cost 03/04</b>					<b>\$20,000</b>	
<b>Estimated total subsidy cost 04/05</b>					<b>\$15,000</b>	

**Note**

There have been a number of erosions in Streams located within the WCA area. The WCA does not provide for the repair of erosion on private property and this can create difficulties with relations with landowners.

This list is only of those who have contacted Greater Wellington to date and is expected to grow as more people become aware of problems on their property.