

LOWER WAIRARAPA VALLEY DEVELOPMENT SCHEME

SCHEDULE OF FLOOD DAMAGE – FEBRUARY 2004

Site	Damage	Repair Work	Cost (\$)	Priority
TAUHERENIKAU RIVER				
Tauherenikau – upstream of Rail Bridge at Kellys	Course change threatening previous work	Channel realignment & shifting of gravel	9,000	High
Tauherenikau – Rail Bridge to SH2 - Barton	Bank erosion & threatening previous work	Channel realignment & shifting of gravel	6,000	High
Tauherenikau – Rail Bridge to SH2 - Willis	Bank erosion & threatening course change over property	Channel realignment & shifting of gravel	12,000	High
Tauherenikau – Rail Bridge to SH2 - Blair Stout & Barlow	Bank erosion & channel out of alignment. Threatening previous work	Realignment of river channel and shifting gravel to the bank	15,000	High
Tauherenikau – Rail Bridge to SH2 - Logue	Bank erosion & threatening access tract	Realignment of river channel and shifting gravel to the bank	6,000	High
Tauherenikau – Rail Bridge to SH2 – SH2 Northern Abutment Transit responsibility	Bank erosion & threatening SH2 Bridge.	Rock groynes & realignment of river channel and shifting gravel to the bank	Transit NZ	High
Tauherenikau – SH2 to SH53 Bridge – Race course	Bank erosion & threat of channel misalignment	Realignment of river channel and shifting gravel to the bank	6,000	Medium
Tauherenikau – SH2 to SH53 Bridge – Upper Donalds	Bank & vegetation erosion	Realignment of river channel and shifting gravel to the bank	7,000	High
Tauherenikau – SH2 to SH53 Bridge – Donalds cuff crossing	Bank & vegetation erosion	Realignment of river channel and shifting gravel to the bank	5,000	High

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Tauherenikau – SH2 to SH53 Bridge – Buchanan Yard	Bank & vegetation erosion & threat to opposite bank	Realignment of river channel and shifting gravel to the bank	7,000	High
Tauherenikau – Below SH53 Bridge – Burt Hayshed	Bank erosion & threat to previous bank protection work	Realignment of river channel and shifting of gravel	3,500	High
Tauherenikau – Burt	Bank erosion - river now at the base of the stopbank. Significant course change threat.	Realignment of river channel, shifting gravel & rock groynes. The scope of work increased from earlier estimate due to subsequent floods	Additional funds over earlier estimate 32,000	High
Tauherenikau – Gillet	Bank overtop & damage	Repairs to stopbank, including benching and top up	25,000	High
Tauherenikau – Vollebregt	Bank overtop & damage	Repairs to stopbank, including benching and top up	38,000	High
		Sub-Total	171,500	
RUAMAHANGA RIVER				
Ruamahanga River – Hugh Shelton	Erosion of bank & damage to bank protection work, & threat of course change	Rock boulders to prevent further erosion & course change	45,000	High
Ruamahanga River – Richard Osborne	Erosion of bank behind the stopbank	Rock boulders to prevent damage to stopbank	21,000	High
Ruamahanga River – Tim Wall	Erosion of bank behind the stopbank	Rock boulders to prevent damage to stopbank	18,000	High
Ruamahanga River – Dick Scadden	Erosion of bank behind the concrete wall	Rock boulders to prevent further erosion & undermining of concrete wall	20,000	High
Ruamahanga River – Hikunui Sill	Erosion of the sill at several places & bank slumping	Repairs to sill erosion & rock boulders for the slumped area	18,000	High
Ruamahanga River – Leo Vollebregt	Bank overtop & erosion	Re-align stopbank and Hikunui Sill at the southern end	Long term solution – to be included with the	Medium

			Review	
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Ruamahanga River – Old Dairy Factory at Pukio	Bank slumping at several locations	Rock boulders for the slumped area – 4 large rock groynes	60,000	High
Ruamahanga River – Butchers downstream of previous work	Bank slumping at several locations	Gravel rejects at 6 locations	51,000	High
Ruamahanga River – Awaroa Sill	Bank slumping	Repairs to slumped area	4,000	High
		Sub-Total	237,000	
EASTERN & WESTERN TRIBUTARIES				
Huangaarua – Ashton Herrick	Stopbank erosion	Repairs to stopbank damage	4,000	High
Waihora	Damage to bank	4 Willow clumps	8,000	Medium
Tauanui	Scattered debris along river bed	Removal of debris	6,000	Medium
Turanganui – Richard Warren	Stopbank erosion at two places	Repairs to the stopbank	10,000	High
Turanganui – Holmes Warren	Stopbank erosion at two places	Repairs to the stopbank	15,000	High
Wairongomai - Upstream of Western Lake Road. 50% from SWDC	Bank erosion & threat to Western Lake Road	Shifting of gravel & placing Rock groynes	40,000	High
Wairongomai - Matthews	Bank erosion & threat of course change	Shifting of gravel & placing of concrete blocks	13,000	High
Wairongomai - upstream of Western Lake Road.	Debris along the river	Removal of debris	6,000	Medium
Burling Stream - Matthews	Bank erosion & channel out of alignment	Placement of rock to protect bank & channel alignment	10,000	High
Abbotts Creek – Old dump yard area. 50% from SWDC	Bank erosion & threat of course change	Channel realignment & repairs to rock groynes	5,000	High
Lake Wairarapa – Karl Waiker	Bank erosion and threat to stopbank	Place gravel rejects	15,000	High
		Sub-Total	132,000	

EMERGENCY FLOOD DAMAGE ALREADY APPROVED

Site	Damage	Repair Work	Cost (\$)	Priority
Tauherenikau – Burt	Bank erosion - river now at the base of the stopbank. Significant course change threat.	Realignment of river channel, shifting gravel & rock groynes.	65,000	High
Tauherenikau – Emergency work at Gilletts	Bank overtop & damage	Sand bagging & repairing damaged bank temporarily	5,000	High
Huangularua – Ashton Herricks	Stopbank breached. Increased flood damage threat to houses already flooded	Temporary reinstatement of stopbank	1,500	High
		Sub-Total	71,500	
		GRAND TOTAL	612,000	

SUMMARY

Total flood damage cost	\$ 612,000
Savings from re-scheduled programme	\$ 43,000
Therefore net flood damage cost	\$ 569,000
Expected contribution from SWDC	\$ 22,500
Contribution from the Scheme Reserve Fund	\$ 262,000
Contribution from Flood Damage Contingency Fund	\$ 284,500