

OCTOBER 2000 FLOOD DAMAGE**THREATS TO MASTERTON DISTRICT COUNCIL
ASSETS AND UTILITIES**

Location	Damage	Asset or Utility Threatened	Repairs Needed	Estimated Cost (\$)
Waipoua River				
Oxford Street – left bank	80 metres of bank erosion	Linear Park area	Willow cabling, channel alignment, and beach clearance	\$14,000
Weir No. 3 – Mawley Park	Minor damage to weir sill & ramp, some rocks washed away	Linear Park, stopbanks, & Mawley Park, Swimming Pool intake.	Collect & replace displaced rock plus 20 tonnes new rock	\$3,000
Weir No. 2 – upstream of Swing Bridge	Significant damage to weir sill & ramp, rocks washed away	Linear Park, stopbanks, sewer pipe, Swing Bridge, & SH2 Bridge	Collect up & replace displaced rock plus 100 tonnes new rock	\$7,000
Swing Bridge – left bank	Minor bank erosion	Swing bridge, stopbank, & sewer line	Trenching of willows taken from Weir No. 1 site	\$1,000
Downstream of weir No. 1 – right bank	No damage, but tree growth is putting pressure on opposite bank	Linear Park, stopbank, & sewer line	Willow removal	\$2,000
Upstream of River Road	Minor erosion	Adjoining land & River Road end	Willow trenching	\$1,000
Sub-total				\$28,000

Location	Damage	Asset or Utility Threatened	Repairs Needed	Estimated Cost (\$)
Ruamahanga River				
83 River Road – Watt property	100 metres of erosion downstream of Waipoua River confluence	Watt House (only 20 metres from river), another 3 houses on River Road, and the Masterton Cemetery	One rock groyne, channel alignment, & willow cabling	\$24,000
Masterton Cemetery	No further erosion, but groyne repairs needed	Masterton Cemetery & Landfill	100 tonnes of rock to repair 10 groynes, 50 tonnes of linear rock protection at upstream end, & tree tethering	\$10,000
Homebush – right bank downstream of Masterton Landfill at Dew's & Blakemore's	No further erosion at protected u/s end, but groyne repairs & new linear rock protection needed. Very serious erosion over 200 metre length at d/s end including 20 metre stopbank breach	Stopbank protecting Homebush area (3 houses plus orchards & glasshouse), Forbes property, and Masterton Oxidation Ponds	Repair 8 groynes & linear protection with 400 tonnes of rock (\$24,000) Repair eroded stopbank (\$15,000) Construct 8 new rock groynes with 1,200 tonnes of rock (\$76,000)	\$57,500
Forbes – right bank	Channel alignment, stopbanking, & bank protection works have held well. The length of old stopbank connecting with the Oxidation Ponds was overtopped	Forbes property & Masterton Oxidation Ponds	Willow clumps, channel maintenance, & gravel groyne reconstruction needed (\$20,000) Stopbank raising over 500 metre length (\$25,000)	\$31,500
Holmes – left bank	Groynes have worked well, 2 of the 9 groynes need repair	Holmes & Wardell properties, Lee Pakaraka Road, and Masterton Oxidation Ponds	150 tonnes of rock for groyne repair, and beach clearance on opposite bank (\$12,000)	\$8,400
Masterton Oxidation Ponds	The existing rock groynes have worked well, but have sustained significant damage. Also an additional 10 groynes are needed to prevent further erosion at the u/s and d/s end.	Masterton Oxidation Ponds	200 tonnes of rock for groyne repair, an additional 1,500 tonnes of rock for ten new groynes, and beach clearance on opposite bank	\$98,000
Te Whiti	Channel realignment & overflow channel block worked very well. Some repairs to channel block needed.	Course change & flooding threat to the Masterton to Gladstone Road, and to Te Whiti properties	Channel realignment & channel block repair (\$18,000)	\$12,600
Sub-total				\$242,000

Location	Damage	Asset or Utility Threatened	Repairs Needed	Estimated Cost (\$)
Waingawa River				
Masterton Water Supply pipeline	Bank erosion over a 200 metre length	Masterton water Supply pipeline	Channel alignment, gravel groynes, and bank battering	\$10,000
Masterton Aerodrome	Severe bank erosion over a 200 metre length has damaged end of runway	Aerodrome runway	Channel alignment, gravel groynes, rock groynes, rock protection of runway end, & reinstatement of Motorcycle Club access track	\$100,000
Sub-total				\$110,000
Total				*\$380,000

Notes: The estimated costs are for the work for which the 50% local share is to be funded by MDC.

The (*italic*) numbers are the total cost of the work, including the component in the Upper Ruamahanga Scheme flood damage schedule.