

Report 13.719  
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Committee Environmental Wellbeing  
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## Confirmation of Flood Protection Asset Condition for 2012/13

### 1. Purpose

To:

- a) Seek confirmation from the Committee that the 15 river schemes managed by Council have been maintained to the Committee's satisfaction, as at 30 June 2013.
- b) Seek endorsement of the various Wairarapa River Advisory Committee recommendations regarding budgets for river management for the 2013/14 financial year.
- c) Advise the Committee of the overall condition rating for Flood Protection assets and of the on-going development of asset management systems.

### 2. The decision-making process and significance

The matters requiring decision in this report have been considered by officers against the requirements of Part 6 of the Local Government Act 2002 (the Act). Part 6 sets out the obligations of local authorities in relation to the making of decisions.

#### 2.1 Significance of the decision

Part 6 requires Greater Wellington Regional Council to consider the significance of the decision. The term 'significance' has a statutory definition set out in the Act.

Officers have considered the significance of the matter, taking the Council's significance policy and decision-making guidelines into account. Officers recommend that the matter be considered to have low significance.

Officers do not consider that a formal record outlining consideration of the decision-making process is required in this instance.

### 3. River Scheme Activities

There were no significant flood events during the year and all programmed maintenance activities were completed during the year.

A summary of the river works completed in the eastern and western areas, the Wairarapa River Scheme performance statements, proposed works programmes and resolutions, including the Otaki and Waikanae Rivers Friends Groups, are detailed in **Attachment 1** of this report. Please note that a similar resolution will be sought from the Hutt Valley Flood Management Subcommittee in relation to the maintenance of the Hutt River and its tributaries that the Council manages.

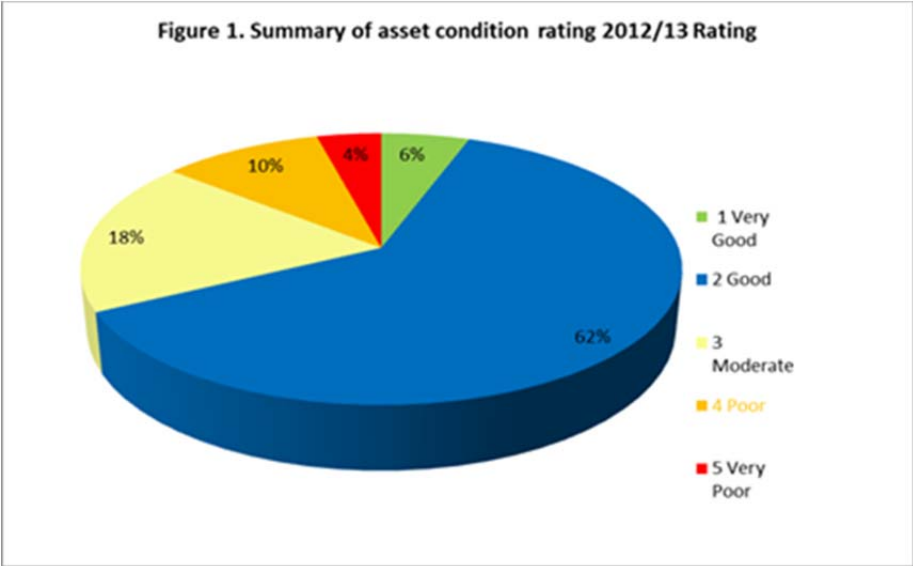
The Wairarapa River Advisory Committees and the Waikanae and Otaki Rivers Friends Groups have confirmed that the assets have been maintained to their satisfaction. The Wairarapa Scheme Committees also recommended the annual maintenance budgets, the necessary rate increases and the works programmes for 2013/14. The recommended budget for the 2013/14 financial year is approximately 3% higher than last year. Allowance has been made in the Council's budgets for an increase of this size.

Performance measures were generally met, albeit with some minor non-compliances. Improvements for these areas are planned for completion over the next year or form part of longer term planning improvements. Regional funding requirements to match the local contribution increases have been allowed for in the 2013/14 Annual Plan.

### 4. Condition Rating

The monitoring and condition rating assessment of Flood Protection assets over the past year provides reassurance to Council that the assets are being managed appropriately, maintained to the desired standard, will perform when needed and, where necessary, are being enhanced by a works programme.

The assessment confirmed that there are no significant or critical assets requiring immediate maintenance that are not part of an existing maintenance plan. A summary breakdown of the asset's condition ratings are detailed in **Figure 1**.



The condition rating is applied to each asset and graded from 1 to 5, where: 1 is very good condition requiring no maintenance to 5 rating, denoting the asset requires upgrade, replacement or should be written off.

The annual condition rating assessment is an important asset management process and has been developed and improved over the last year. The improvements included standardising documentation, training of staff, audit and review of data. A summary of the asset type and the condition is detailed in the table below:

Asset Type	Condition Rating 2012/13					Grand Total
	1 Very Good	2 Good	3 Moderate	4 Poor	5 Very Poor	
Barrage Gate			2			2
Blockline		15	9	5		29
Bridge		2			1	3
Culvert	6	11	10		1	28
Debris Arrestor	1	10	1			12
Debris Fence	13	301	84	99	25	522
Demolition Line		1	4	1	4	10
Detention Dam			2			2
Diversion Cut		2				2
Drop Structure		1				1
Ducksbill Structure		2				2
Fascine			2			2
Fence		50				50
Fence Rail Iron Net		8	6	4	3	21
Floodgate	18	84	25	13	4	144
Floodwall	12	11				23
Floodway Sill		2				2
Groyne	20	989	123	32	4	1168
Riprap	20	203	36	24	6	289
Stopbank	89	513	107	139	16	864
Track	80	373	20			473
Training Bank	1	8	3			12
Weir		14	1	1		16
Willow	10	432	465	173	132	1212
Wingwall		4	1			5
<b>Grand Total</b>	<b>270</b>	<b>3036</b>	<b>901</b>	<b>491</b>	<b>196</b>	<b>4894</b>
<b>% of Assets with that rating</b>	<b>5.5</b>	<b>62.0</b>	<b>18.4</b>	<b>10.0</b>	<b>4.0</b>	

A summary of the condition ratings detailed that:

- **85.9% of assets achieved a 3 or above standard**, where no or moderate maintenance is required.
- **10.0% achieved a rating of 4.** The number of assets in this rating has increased from the previous year. This is a direct result of improvements to the assessment techniques and not a change in the physical condition or the likelihood of failure of the assets. The stop banks identified in this category are predominantly those in the northern Wairarapa Rivers and the Otaki River. For those stop banks, the condition does not meet current standards. In the Wairarapa there is vegetation growth along a number of reaches of the stop banks. These items have been identified and will be assessed as part of the current Upper Wairarapa Valley Floodplain Management Plan and for the Otaki stop banks, are included in the long term capital improvement plan.

The flood gates assessed as rating 4 have been identified in works programmes for improvements.

- **4.0% achieved a rating of 5.** These assets are programmed for future work, or will be written off, as they are no longer required. The only critical asset in this category is the Waikanae River, Jim Cook Park stopbank. An improvement project is scheduled to commence in 2013/14.

## **5. Environmental enhancement and consents**

The Wairarapa River Management Agreement for the Northern Wairarapa Rivers requires the annual reporting of outcomes to the Environmental Wellbeing Committee. A summary of the report is detailed in Attachment 1, Section 4. The key matters related to improving environmental best practice and organising a research and monitoring programme, have made good progress over the last year.

The lack of floods and an emphasis on the biodiversity aspects of the river schemes has enabled in-stream channel work to be reduced in comparison to past years. All river scheme consents in the Northern Wairarapa are expected to fully comply with consent requirements.

## **6. Scheme Reserves**

Scheme reserves have been established to enable repairs to be made following flood damage. The Scheme Reserves are utilised for floods in a 5 to 25 year return period and the Major Flood Investment Reserve caters for flood events greater than a 25 year return period. The total scheme reserves are \$11.4 million, as at 30 June 2013.

Further analysis will be undertaken during the year to consider the desirable level of reserve for each scheme. It should be noted that the regional share of the scheme reserve component is significantly less than the local share. This may necessitate an increase in general rates to match the local share should a major flood event occur or additional loan funding would be required.

A summary of the individual scheme and total reserves are detailed in the following table:

<b>Scheme</b>	<b>Scheme Reserve</b>	<b>Major Flood Investment Reserves</b>	<b>Total Reserves</b>
Lower Valley	\$1,862,786	\$986,230	\$2,849,016
Waiohine	\$589,031	\$32,527	\$621,558
Mount Bruce	\$80,034	\$7,373	\$87,407
Te Ore Ore	\$192,919	\$7,373	\$200,292
Gladstone	\$76,568	\$7,373	\$83,941
Waingawa	\$100,257	\$21,686	\$121,943
Waipoua	\$94,807	\$21,686	\$116,493
Kopuaranga	-\$44,593	\$0	-\$44,593
Upper Mangatarere	\$29,358	\$0	\$29,358
Taueru	\$10,351	\$0	\$10,351
Whangaehu	\$10,123	\$0	\$10,123
<b>Total Eastern River Schemes</b>	<b>\$3,001,641</b>	<b>\$1,084,248</b>	<b>\$4,085,889</b>
<b>Western Rivers</b>	<b>\$2,407,831</b>	<b>\$1,084,246</b>	<b>\$3,492,077</b>
<b>Sub Total of River Schemes Reserves</b>	<b>\$5,409,472</b>	<b>\$2,168,494</b>	<b>\$7,577,966</b>
GW Flood Contingency Reserve	\$1,334,636		\$1,334,636
GW Major Flood Investment		\$2,168,492	\$2,168,492
<b>Total Reserves of River Schemes</b>	<b>\$6,744,108</b>	<b>\$4,336,986</b>	<b>\$11,081,094</b>
Drainage Schemes	\$340,737		\$340,737
<b>Total of All Schemes Reserves</b>	<b>\$7,084,845</b>	<b>\$4,336,986</b>	<b>\$11,421,831</b>

## 7. Asset Management System

Over the last year there has been a step change in asset management across GWRC. Through the leadership of the Asset Management Development Group, key organisational outcomes such as the Asset Management Policy, asset management maturity assessment and development of improvement plans for each department, has provided strategic direction and consistency. A consultant has been engaged by GWRC for a 2 year term. Their role is to provide additional professional expertise, advice and to develop and implement asset management activities.

A plan specifically for the Flood Protection's assets is now being developed. Considerable additional funding is likely to be required and options for the delivery and implementation of this plan are currently being considered and will be incorporated into GWRC's overall Asset Management Improvement Plan.

## 8. Recommendations

*That the Committee:*

1. **Receives** the report.
2. **Notes** the content of the report.
3. **Notes** the resolutions of the various Wairarapa River Management Advisory Committees and the Friends of the Waikanae River and Otaki River.
4. **Endorses** the budget recommendations of the various Wairarapa River Management Scheme Advisory Committees for the 2013/14 financial year.
5. **Confirms** that the 15 River Management Schemes in the region have been maintained to the satisfaction of Council.
6. **Notes** that staff are considering funding options for the asset management improvement plan and when fully considered will be presented to Council for approval.

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**Attachment 1** Asset Condition Report 2012/13 - Supplementary Information