

## Attachment 2 to Report 13.764

### Aggregated Risk

Loss, failure or damage to assets

Overall ranking by residual score : 1

### Context

GWRC is responsible for managing almost \$1b of assets. These are spread across its activities and include assets such as flood protection works, rail and water supply infrastructure, parks and forests. These are exposed to a series of risks, the source of which is sometimes outside of our control e.g. natural hazards. Maintaining these assets in a cost effective manner to provide the best possible service to our community is controlled mainly by our asset management plans together with regular monitoring and maintenance.

### Ownership

#### Business Unit

CE

#### Manager

David Benham

### Overall Risk Analysis of the Aggregate Risk

	<i>Inherent</i>	<i>Residual</i>
<b>Risk Score</b>	<b>High Risk</b>	<b>Medium Risk</b>

### Detailed summary of the risks underlying the Aggregate risk

ID	Risk	Context	Inherent Risk	Residual Risk	Risk Owner
3	Damage to water supply infrastructure from an event which interrupts supply	Failure of water supply infrastructure due to natural hazards (e.g. seismic event, tsunami, weather related damage) or manmade hazards (vandalism, terrorist actions, civil unrest)	Medium Risk	Medium Risk	Chris Laidlow
9	Parks- Fire	Public being careless with fires/cigarettes or deliberately lit fires	Medium Risk	Low Risk	Nigel Corry
10	Forests - Wind throw and snow damage	Wind and snow damage to trees from adverse weather conditions	Medium Risk	Low Risk	Wayne O'Donnell
11	Forests - Disease damage to forest	Spread of foreign organisms introduced that could lead to tree damage or total loss of trees	Medium Risk	Low Risk	Wayne O'Donnell
13	Forests - Fire danger from the public, motorised vehicles and machinery	Damage to forest through fire due to wilful or negligent action of the public, vehicles or machinery malfunction	Medium Risk	Low Risk	Wayne O'Donnell
17	Failure of flood protection structures and measures	Failure of flood protection structures during flooding and seismic events causing danger to the public and significant damage to property and Council assets. Failure of protection structures could also be a result of professional negligence (design and construction)	High Risk	Medium Risk	Wayne O'Donnell
25	Loss of Council funds due to fraud	Defalcation of Council funds by staff member(s)	Low Risk	Low Risk	Warren Tocker

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28	A major disaster impacts on the capacity and capability of emergency management to meet its statutory obligations	EM is overwhelmed by scale of disaster, inability to mobilise resources viz staff (numbers), facilities (adequacy), infrastructure (availability/adequacy)	High Risk	Medium Risk	Leigh-Anne Buxton
59	Customers are unhappy with metro rail service performance because of the failure of rail network infrastructure or rolling stock	On-going network or rolling stock failures could impact negatively on rail on-time performance, causing loss of confidence in the the rail service thereby reducing patronage and revenue.	Medium Risk	Medium Risk	Wayne Hastie
79	Failure of GWRC Bus Stop Assets causing serious injury	There is a serious injury at a bus stop location and the ensuing investigation identifies GWRC owned asset failure as a contributing cause.	Low Risk	Low Risk	Wayne Hastie
80	Severe weather conditions disrupt/immobilise bus services to the extent where >5% of peak or >3% of off peak services are affected for 3 days or more	Service failures and reduced bus on-time performance could cause loss of confidence in the bus service thereby reducing, or causing to remain static, patronage and revenue.	Medium Risk	Medium Risk	Wayne Hastie
81	Severe weather conditions disrupt/immobilise ferry services to the extent where no services can operate.	Service failures could cause loss of confidence in the ferry service thereby reducing, or causing to remain static , patronage and revenue.	Medium Risk	Medium Risk	Wayne Hastie
90	Ferry infrastructure found to no longer be fit for purpose, therefore unable to provide service.	Service failures could cause loss of confidence in the ferry service thereby reducing, or causing to remain static , patronage and revenue.	Low Risk	Low Risk	Wayne Hastie