

**GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY**

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Dear Member,

**NOTICE OF MEETING**

Notice is hereby given pursuant to Clause 6 of the Charter that a meeting for the GRFMA Board has been called for:

**DATE:** Thursday, 8 December 2022

**TIME:** 9:45am

**PLACE:** City of Playford

**Venue:** Civic Centre, 10 Playford Boulevard, Elizabeth



David E Hitchcock

**EXECUTIVE OFFICER**



*The Barossa Council*

**Gawler**



## **AGENDA**

### **GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY BOARD**

#### **ORDINARY MEETING**

**9:45am Thursday, 8 December 2022**

**City of Playford**

**Civic Centre, 10 Playford Boulevard, Elizabeth**

#### **1. Meeting of the Board**

- 1.1 Welcome by the GRFMA Chairperson
- 1.2 Constituent Council GRFMA Board representatives
- 1.3 Present (please sign the Attendance Register)
- 1.4 Apologies
- 1.5 Appointment of Observers
- 1.6 Declarations of Interest

#### **2. Confirmation of Minutes**

- 2.1 GRFMA Ordinary Meeting Minutes.....Page 4
- 2.2 Actions on Previous Resolutions.....Page 10
- 2.3 Matters Arising from the Minutes

#### **3. Questions on Notice**

Nil

#### **4. Motions on Notice**

Nil

#### **5. Presentations**

Ms Katharine Ward (Project Manager Gawler River Flood Management Climate Change, Coast & Marine Branch, Environment, Heritage & Sustainability Division, Department for Environment and Water) will attend for Item 8.1.

#### **6. Audit Committee**

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- 6.2 Audit Committee Membership.....Page 16

**7. Technical Assessment Panel**

Nil

**8. Reports**

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	Environment and Water, Business Case	
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8.4	Long Term Financial Plan and Asset Management Plan.....	Page 24
8.5	Ownership and Responsibility for the Management.....	Page 69
	of New Flood Monitoring Equipment	
8.6	Disaster Relief Australia.....	Page 78
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8.11	GRFMA Annual Business Plan Progress Report.....	Page 103

**9. Correspondence**

Refer Agenda Item 8.4.

**10. Confidential**

Nil

**11. Urgent Matters Without Notice**

**12. Next Meeting**

**Date and Time:** 9:45am – Thursday, 16 February 2022

**Host:** Light Regional Council

**13. Closure**



**Agenda Item:** 2.1  
**Committee:** Board  
**Meeting Date:** 8 December 2022  
**Title:** GRFMA Ordinary Meeting Minutes

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**Recommendation:**

**That the Minutes of the Gawler River Floodplain Management Authority Board meeting held 20 October 2022 be confirmed as a true and accurate record of that meeting.**

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The minutes are attached.

# MINUTES

## GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY BOARD

9:45am Thursday 20 October 2022

Adelaide Plains Council – Council Chamber, 2a Wasleys Road, Mallala

### 1. Meeting of the Board

#### 1.1 Welcome by the GRFMA Chairperson

Mr Ian Baldwin formally welcomed Board Members, Deputy Board Members, Observers and the Executive Officer and opened the 135<sup>th</sup> meeting of the Board.

#### 1.2 Present

- Mr Ian Baldwin, Independent Board Member, Chair
- Cr Terry-Anne Keen, Adelaide Plains Council, Board Member
- Mr James Miller, Adelaide Plains Council, Board Member
- Cr Malcolm Herrmann, Adelaide Hills Council, Board Member
- Cr Paul Koch, Town of Gawler, Board Member
- Mr Martin McCarthy, The Barossa Council, Board Member
- Mr Richard Dodson, Light Regional Council, Board Member
- Mr Andrew Philpott, Light Regional Council, Deputy Board Member
- Mr Lokesh Anand, Town of Gawler, Board Member
- Mr David Hitchcock, Executive Officer

#### 1.3 Apologies

- Mr Ashley Curtis, Adelaide Hills Council, Board Member
- Mayor Bim Lange, The Barossa Council, Board Member
- Cr Russell Johnstone, Deputy Board Member, The Barossa Council

#### 1.4 Appointment of Observers

**GRB 22/49      Observers**  
**Moved:        Mr. J Miller**  
**Seconded:    Mr. A Philpott**

*That Cr John Lush be appointed as Observer.*

**CARRIED UNANIMOUSLY**

#### 1.5 Declarations of Interest

Nil

## **2. Confirmation of Minutes**

### **2.1 GRFMA Ordinary Meeting Minutes**

**GB 22/50 GRFMA Ordinary Meeting Minutes**

**Moved: Mr J Miller**

**Seconded: Cr M Herrmann**

*That the Minutes of the Gawler River Floodplain Management Authority Board meeting held 18/8/2022 be confirmed as a true and accurate record of that meeting.*

**CARRIED UNANIMOUSLY**

### **2.2 Actions on Previous Resolutions**

Nil

### **2.3 Matters Arising from the Minutes**

Nil

## **3. Questions on Notice**

Nil

## **4. Motions on Notice**

Nil

## **5. Presentations**

Nil

## **6. Audit Committee**

Nil

## **7. Technical Assessment Panel**

Nil

## **8. Reports**

The order of reports discussion was amended to accommodate delay in timing of the presentation.

### **8.3 Charter Review 2 Funding Model**

**GB 22/51 Charter Review 2 Funding Model**

**Moved: Cr T Keen**

**Seconded: Mr L Anand**

*That the GRFMA receives a further report regarding Council responses to the Charter Review Funding Model after completion of the November 2022 Council elections.*

**CARRIED UNANIMOUSLY**

## **8.4 Financial Report**

**GB 22/52 Financial Report**  
**Moved: Cr M Herrmann**  
**Seconded: Mr R Dodson**

*That the GRFMA receives the financial report as of 30 September 2022 showing a balance of \$245,042.47 total funds available.*

**CARRIED UNANIMOUSLY**

## **8.1 Stormwater Management Plan Progress Report**

Ms Melinda Lutton (Regional General Manager Principal Environmental Engineer, Water Technology), attended the meeting virtually online at 10 am to present an update on progress of the Gawler River Stormwater Management Plan.

**GB22/53 Stormwater Management Plan Progress Report**  
**Moved: Mr R Dodson**  
**Seconded: Cr T Keen**

*That the GRFMA receives the report.*

**CARRIED UNANIMOUSLY**

The meeting adjourned at 10:48am for a short break.

The meeting resumed at 10:54am.

Mr Martin McCarthy left the meeting at 11:01am.

## **8.2 Gawler River Flood Mitigation, Department for Environment and Water**

Ms Katharine Ward (Project Manager Gawler River Flood Management Climate Change, Coast & Marine Branch, Environment, Heritage & Sustainability Division, Department for Environment and Water) attended the meeting to talk about the report, and late report.

**GB 22/54 Gawler River Flood Mitigation, Department for Environment and Water**  
**Moved: Mr G Pattinson**  
**Seconded: Cr P Koch**

*That the GRFMA:*

- 1. Receives the report.*
- 2. Receives a verbal update on progress of the Department for Environment and Water Gawler River Flood Management business case.*

**CARRIED UNANIMOUSLY**

**GB22/55 Expert Panel on Stormwater**  
**Moved: Mr J Miller**  
**Seconded: Cr T Keen**

*That the Executive Officer bring back a report to the December 2022 meeting providing a progress update on the body of work being undertaken by the expert panel on stormwater as it relates to flood management, possible funding models across all three tiers of government and single entity ownership for new infrastructure.*

**CARRIED UNANIMOUSLY**

## 9. Correspondence

Nil

## 10. Confidential

### 10.1 Review of the Register of Confidential Items

#### **GB 22/56 Review of the Register of Confidential Items**

**Moved: Cr T Keen**

**Seconded: Mr R Dodson**

*That:*

1. *Pursuant to Section 90(2) of the Local Government Act 1999, the meeting orders that the public be excluded from attendance at this part of the meeting relating to Item 10.1 Review of the Register of Confidential Items, excepting the following persons:*

- *Executive Officer; and*
- *Observers*

*to enable the meeting to consider in confidence agenda Item 10.1 on the basis that the meeting considers it necessary and appropriate to act in a meeting closed to the the Local Government Act 1999 in order to receive, discuss or consider in confidence the information or matter relating to Item 10.1:*

- (a) *information the disclosure of which would involve the unreasonable disclosure of information concerning the personal affairs of any person (living or dead)*
  - (d)(i) *commercial information of a confidential nature (not being a trade secret) the disclosure of which could reasonably be expected to prejudice the commercial position of the person who supplied the information, or to confer a commercial advantage on a third party*
  - (d)(ii) *commercial information of a confidential nature (not being a trade secret) the disclosure of which would, on balance, be contrary to the public interest Ordinary Council Meeting Agenda 28 September 2021*
  - (e) *matters affecting the security of the council, members or employees of the council, or council property; or the safety of any person*
  - (k) *tenders for the supply of goods, the provision of services or the carrying out of works*
2. *Accordingly, on this basis, the principle that meetings of the GRFMA Board should be conducted in a place open to the public has been outweighed by the need to keep the information or matter confidential.*

The confidential session commenced at 11:45am.

### 10.1 Review of the Register of Confidential Items

#### **GB 22/57 Review of the Register of Confidential Items**

**Moved: Cr T Keen**

**Seconded: Mr G Pattinson**

*That the GRFMA Board releases the following items from confidence:*



Order Motion No.	Meeting Date	Item No.	Item Title	Items Held Under Order
Discussion	13/06/19	10.1	Lower Level Outlet Pipe	Minutes, discussion and report
19/82	12/12/19	10.1	Bruce Eastick North Para Flood Mitigation Dam	Report and attachments
20/36	16/04/20	10.2	Lower Level Outlet Pipe Basin	Report and attachments
20/79	15/10/20	10.1	Bruce Eastick North Para Flood Mitigation Dam	Report and attachments
20/96	10/12/20	10.1	Bruce Eastick North Para Flood Mitigation Dam	Report and attachments
21/15	11/02/21	10.1	Executive Officer Review	Report and attachment
21/19	17/03/21	2.1	Tenders Storm Water Management Plan	Report, attachments and minutes
21/35	15/04/21	10.1	Tenders Strategic Plan	Report and attachment
21/51	17/06/21	10.1	Tenders Records Management	Report and attachments
21/54	17/06/21	10.2	Tenders Bruce Eastick Dam Repairs	Report and attachments
21/03 TAP	05/07/21	5	Tenders Bruce Eastick Dam Repairs	Report and attachments
21/06 TAP	11/08/21	6	Tenders Bruce Eastick Dam Repairs	Report and attachments
21/70	19/08/21	10.1	TAP – Tenders Bruce Eastick Dam Repairs	Minutes of TAP, report and attachments
21/77	27/09/21	2.1	Preferred Tender for Repairs Bruce Eastick North Para Flood Mitigation Dam	Reports, attachments and minutes
21/80	27/09/21	2.1	Establishment of Loan Funds	Reports, attachments and minutes
21/77	21/10/21	10.1	Preferred Tender for Repairs to the Bruce Eastick North Para Flood Mitigation Dam	Report, attachments and minutes
21/80	21/10/21	10.1	Establishment of Finance (Loan Funds) to Facilitate Dam Repairs	Report, attachments and minutes

**CARRIED UNANIMOUSLY**

The confidential session concluded at 11:50am.

**11. Urgent Matters Without Notice**

Nil

**12. Next Meeting**

**Date and Time:** Thursday 8 December 2022 at 9:45am

**Host:** City of Playford

**13. Closure**

The Chairperson thanked the members for their attendance and contributions and the Adelaide Plains Council as host and closed the meeting at 11:51am.

Chair \_\_\_\_\_ Date \_\_\_\_\_

<b>Agenda Item:</b>	<b>2.2</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>Actions on Previous Resolutions</b>

Number	Resolution	Action
22/23	<p><i>That the GRFMA:</i></p> <ol style="list-style-type: none"> <li><i>1. Requests the Executive Officer to initiate legal review of the Public Consultation Policy, Code of Practice, Access to Meetings and Documents and the Internal Review of Decisions Policy, as feasible within budget allocations of \$4,000.</i></li> <li><i>2. Notes with thanks the assistance from the Adelaide Plains Council with the review process.</i></li> <li><i>3. Receives a further report regarding progress on the review at the August 2022 meeting.</i></li> </ol>	In progress. Legal review underway.
22/36	<p><i>That the GRFMA:</i></p> <ol style="list-style-type: none"> <li><i>1. Receives the minutes of the Gawler River Floodplain Management Authority Audit Committee meeting held 8/8/2022.</i></li> <li><i>2. Endorses the draft Long Term Financial Management Plan and Asset Management Plan documents to include averaging of maintenance costs of \$69,550 pa over the proposed 10 year costed program.</i></li> <li><i>3. Requests the GRFMA Executive Officer to:</i> <ol style="list-style-type: none"> <li><i>a. Implement administrative policies to require clear audit trail of all income and expenditure transactions relating to annual maintenance costs and balance of unspent funds; with summary of activities relating to annual maintenance cost and unspent funds be identified in future GRFMA Annual Reports.</i></li> <li><i>b. Initiate 'Local Government Personal Accident &amp; Corporate Travel' insurance cover for the position of the GRFMA Chair and any other applicable GRFMA committee members.</i></li> </ol> </li> <li><i>4. Requests the Acting GRFMA Chairperson seek legal advice on the contract terms for the Executive Officer regarding any required employment obligations.</i></li> <li><i>5. Based on the Authority's limited operations and current internal financial controls, determines crime insurance is not required at this time.</i></li> <li><i>6. Endorses extension of the term of existing Audit Committee Members until after the 12 November 2022 periodical Local Government elections.</i></li> </ol>	<p>Completed.</p> <p>Not yet actioned. Awaiting finalisation of the LTFP.</p> <p>Completed. Policy now in place.</p> <p>In progress. Legal review underway.</p>

Number	Resolution	Action
22/41	<p><i>That the GRFMA:</i></p> <ol style="list-style-type: none"> <li><i>1. Endorses continuation of the shared responsibility and partnership approach between Local Government and State Government to pursue flood mitigation measures within the Gawler River landscape.</i></li> <li><i>2. Endorses previous indication of support for continuation of the Business Case being led by DEW, with GRFMA, commitment of not less than \$42,000 to facilitate a .5 technical resource for six months; and authorises the Acting Chairperson and Executive Officer to work with DEW to facilitate and sign a suitable MOU to achieve placement of the. 5 technical resource.</i></li> <li><i>3. Acknowledges Constituent Council CEOs do not support the further call for Council funding beyond the six months technical resource commitment.</i></li> <li><i>4. Will look to importance of partnering with DEW and will continue to work towards sourcing funding contributions toward the Business Case delivery in 2023/2024</i></li> <li><i>5. Notes the Constituent Council CEOs view that it would be more appropriate to undertake community engagement when the preferred options are confirmed, and suitability established and costed.</i></li> </ol>	<p>Completed</p> <p>Refer Agenda Item 8.1</p>
22/51	<i>That the GRFMA receives a further report regarding Council responses to the Charter Review Funding Model after completion of the November 2022 Council elections.</i>	Refer Agenda Item 8.3
22/55	<i>That the Executive Officer bring back a report to the December 2022 meeting providing a progress update on the body of work being undertaken by the expert panel on stormwater as it relates to flood management, possible funding models across all three tiers of government and single entity ownership for new infrastructure.</i>	Refer Agenda Item 8.3

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<b>Agenda Item:</b>	<b>6.1</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>GRFMA Audit Committee Meeting Minutes</b>

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**Recommendation:**

**That the minutes of the Gawler River Floodplain Management Authority Audit Committee meeting held 28 November 2022 be received.**

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Key items from the 28/11/2022 GRFMA Audit Committee are noted for attention.

Stormwater Management Plan

Members noted the actions from the previous resolutions summary and the Progress Report GRFMA Annual Business Plan 2022 – 2023 and registered concern at the continuing delay in completion of the Stormwater Management Plan (SMP) by Water Technology.

The meeting agreed that it is imperative that the draft SMP is presented to the 8 December 2022 GRFMA meeting to ensure timely consideration prior to the pending Christmas / New Year holiday break and the next available GRFMA meeting after that being 16 February 2023.

GAC 22/16 That the GRFMA Audit Committee

1. *Receives the progress report of the GRFMA Business Plan 2022-2023.*
2. *Recommends further action be undertaken by GRFMA Chair, Mr Ian Baldwin to contact Mr Steve Clark, Managing Director, Water Technology, to request provision of the Gawler River Stormwater Management Plan document to the GRFMA by close of business Friday 2 December 2022.*

Cash reserves

GAC 22/17 That the GRFMA Audit Committee

1. *Notes the GRFMA Treasury Management Policy requiring the GRFMA to maintain a minimum balance of cash reserves at any one time equivalent to 50% of the annual GRFMA Budget expenditure as determined in accordance with the approved GRFMA Business Plan as amended annually.*
2. *Recommends the GRFMA.*
  - a. *not exceed the determined cash reserve minimum balance equivalent to 50% of the annual GRFMA Budget expenditure when considering use of cash reserves for financial commitment to Project 3 'Lower Gawler River No regrets'.*
  - b. *endeavours to fund indicated financial commitment to Project 3 'Lower Gawler River No regrets' from current 2022/2023 budgeted operations and should that not be possible any balance of funds utilised be recouped by the GRFMA 2023/2024 budget estimates.*

The minutes are attached to this report.

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## **MINUTES**

### **GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY AUDIT COMMITTEE MEETING**

**11am Monday, 28 November 2022  
MS Teams Meeting**

#### **1. Present**

- Mr Peter Brass, Independent Member, Chair
- Cr Malcolm Herrmann, Adelaide Hills Council
- Mr Greg Pattinson, City of Playford
- Mr David Hitchcock, Executive Officer

#### **2. Apologies**

Nil

#### **3. Previous Minutes – 8 August 2022**

**GAC 22/15      Previous Minutes – GRFMA Audit Committee 8 August 2022**  
**Moved:        Mr G Pattinson**  
**Seconded:     Cr M Herrmann**

*That the minutes of the previous GRFMA Audit Committee meeting held on Monday 8 August 2022 be adopted as a true and correct record of that meeting.*

**CARRIED UNANIMOUSLY**

#### **4. Business Arising from the Minutes**

Nil

#### **5. General Business**

##### **5.1 GRFMA Business Plan 2022-2023 and Stormwater Management Plan**

Members noted the actions from previous resolutions summary and the 'Progress Report GRFMA Annual Business Plan 2022 – 2023' and registered concern at the continuing delay in completion of the Stormwater Management Plan (SMP) by Water Technology.

The meeting agreed that it is imperative that the draft SMP is presented to the 8 December 2022 GRFMA meeting to ensure timely consideration prior to the pending Christmas / New Year holiday break and the next available GRFMA meeting after that being 16 February 2023.

**GAC 22/16      GRFMA Business Plan 2022-2023 and Stormwater Management Plan**  
**Moved:        Cr M Herrmann**  
**Seconded:     Mr G Pattinson**

*That the GRFMA Audit Committee:*

1. *Receives the progress report of the GRFMA Business Plan 2022-2023; and*
2. *Recommends further action be undertaken by GRFMA Chair, Mr Ian Baldwin to contact Mr Steve Clark, Managing Director, Water Technology, to request provision of the Gawler River Stormwater Management Plan document to the GRFMA by close of business Friday 2 December 2022.*

**CARRIED UNANIMOUSLY**

## **5.2      GRFMA 2022/2023 Budget Review 1**

**GAC 22/17      GRFMA 2022/2023 Budget Review 1**  
**Moved:        Mr P Brass**  
**Seconded:     Mr G Pattinson**

*That the Audit Committee:*

1. *Notes GRFMA 2022/2023 Budget Review 1.*
2. *Requests the Executive Officer provide the documents to the 8 December 2022 GRFMA meeting for consideration as its amended and current budget for the period ended 30 June 2023.*
3. *Notes the GRFMA Treasury Management Policy requiring the GRFMA to maintain a minimum balance of cash reserves at any one time equivalent to 50% of the annual GRFMA Budget expenditure as determined in accordance with the approved GRFMA Business Plan as amended annually.*
4. *Recommends the GRFMA:*
  - a. *not exceed the determined cash reserve minimum balance equivalent to 50% of the annual GRFMA Budget expenditure when considering use of cash reserves for financial commitment to Project 3 'Lower Gawler River No Regrets'.*
  - b. *endeavour to fund indicated financial commitment to Project 3 'Lower Gawler River No Regrets' from current 2022/2023 budgeted operations and should that not be possible any balance of funds utilised be recouped by the GRFMA 2023/2024 budget estimates.*

**CARRIED UNANIMOUSLY**

### Treasury Management Policy – Cash Reserves

The GRFMA shall maintain a minimum balance of cash reserves at any one time.

Such balance to be equivalent to 50% of the annual GRFMA Budget expenditure as determined in accordance with the approved GRFMA Business Plan as amended annually.

Any Board authorisation of payments from cash reserves that are extraordinary to the Business Plan be required to be repaid by Constituent Council contributions within 12 months following.

The cash reserve balance shall separately identify the proportional value of Consultancy budget values and operational/maintenance Budget values. For clarity and example using the current 2022/2023 GRFMA Budget. Expenditure \$90,100 @ 50% = \$45,050.

### 5.3 GRFMA Long Term Financial Plan and Asset Management Plan

The Committee was pleased that these two key financial governance documents are now in place for the Authority and regular review and update will guide financial sustainability.

**GAC 22/18 GRFMA Long Term Financial Plan and Asset Management Plan**  
**Moved: Mr G Pattinson**  
**Seconded: Cr M Herrmann**

*That the GRFMA Audit Committee:*

1. *Endorses the final draft of the Long Term Financial Management Plan 2023/2032 and the Asset Management Plan 2023/2032.*
2. *Recommends the GRFMA Board adopts the final documents to assist compilation of the GRFMA Annual Plans and Annual Budgets.*

**CARRIED UNANIMOUSLY**

### 6. Other Business

All members indicated their interest in reappointment to the GRFMA Audit Committee from 8 December 2022. Subject to GRFMA Board endorsing reappointment.

The GRFMA Executive Officer is to follow up on consultation on a proposed Disaster Levy Fund noted in the LGA Circular that came out today.

### 7. Next Meeting

10am Monday, 6 March 2023.

Date	Audit Committee meeting schedule 2022/2023	Action
28 November 2022	Operation of the Regional Subsidiary – Business Plan progress. Annual cost estimates and budget variations consideration	Completed 28/11/2022
6 March 2023	Annual Budget and Business Plan Review; External Audit Plan and Schedule 2023.	
June 2022	Annual cost estimates and budget variations consideration.	
August 2022	Annual Financial Statements – Audit report; 2022/2023 – Auditor to attend.	

### 8. Closure

The Chair thanked the members for their attendance, wished them compliments of the festive season and closed the meeting at 11:37 am.

Chair \_\_\_\_\_ Date \_\_\_\_\_



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<b>Agenda Item:</b>	<b>6.2</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>Audit Committee Membership</b>

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**Recommendation:**

**That the following Committee Members be reappointed to the GRFMA Audit Committee for a further two years until 30 June 2024:**

- 1. Mr Peter Brass, Independent Member and Chair**
  - 2. Cr Malcolm Herrmann, Adelaide Hills Council**
  - 3. Mr Greg Pattinson, City of Playford**
- 

The term of appointment for current membership of the GRFMA Audit Committee was set to expire 30 June 2022.

This was subsequently extended until after the 12 November 2022 periodical Local Government elections.

Current members are:

- Mr Peter Brass, Independent Member and Chair
- Cr Malcolm Herrmann, Adelaide Hills Council
- Mr Greg Pattinson, City of Playford

The GRFMA Audit Committee Chair is provided an honorarium of \$650.00 per committee meeting.

All three members have indicated their interest in continuing membership of the GRFMA Audit Committee.

The GRFMA Charter provides:

**9.4 Audit Committee**

- 9.4.1 The Audit Committee shall be composed of no more than three members of whom at least one shall be a person who is not a member of the Board ('Independent Member').
  - 9.4.2 Members of the Audit Committee will be appointed by the Board biennially and at the expiry of a term of appointment are eligible for reappointment.
  - 9.4.3 The Independent Member (or one of the Independent Members if there is more than one) shall be appointed by the Authority as the Chair of the Audit Committee. The Chair of the Audit Committee shall be paid such honorarium as the Authority determines.
-



- 9.4.4 Members of the Audit Committee must as far as practicable have recent and relevant financial, risk management or internal audit experience relevant to the functions of the Audit Committee as determined by the Authority.
- 9.4.5 The functions of the Audit Committee include:
  - 9.4.5.1 Reviewing annual Financial Statements of the Authority to ensure they provide a timely and fair view of the state of affairs of the Board; and
  - 9.4.5.2 Liaising with the external auditors of the Authority; and
  - 9.4.5.3 Reviewing the adequacy of the accounting, internal auditing, reporting, internal control and other financial management systems and practices of the Authority on a regular basis; and
  - 9.4.5.4 Considering and advising the Authority on risk management.

**Agenda Item:** 8.1  
**Committee:** Board  
**Meeting Date:** 8 December 2022  
**Title:** Gawler River Flood Mitigation, Department for Environment and Water, Business Case

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**Recommendation:**

**That the GRFMA receives the report.**

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At the 18/8/2022 GRFMA meeting carriage of resolution 22/40 provided:

*The GRFMA requests a Key Outcome Summary from meetings of the proposed Business Case Executive Committee be listed as a standing item in the GRFMA Agenda.*

See attached for a copy of the Gawler River Flood Management Projects Communique, November 2022.

Ms Katharine Ward (Project Manager Gawler River Flood Management Climate Change, Coast & Marine Branch, Environment, Heritage & Sustainability Division, Department for Environment and Water) will attend the meeting to talk to the communique.

# Gawler River Flood Management Projects

## Communique, November 2022

The Gawler River Flood Management Projects are being delivered in partnership by the Government of South Australia and local councils in the Gawler River region. The projects are overseen by an inter-governmental Steering Committee with representation from numerous agencies from both state and local government.

This Communique provides a quarterly update of project progress and recent decisions of the Steering Committee.

### Steering Committee terms of reference

The Steering Committee's terms of reference have been updated following an annual review. These terms of reference are in place until 30 June 2023, and see the Steering Committee responsible for oversight of four short-term projects and for developing a shared vision and objectives to improve flood management in the form of a Business Case.

### Projects' progress

The Steering Committee noted the progress of the short-term projects as at the end of Quarter 1 (Jul-Sep2022) and the progress of the Business Case as at the end of October 2022 (Table 1). The Steering Committee noted there is a process for considering risks and issues, and requested more information in early 2023 to aid decision-making regarding amending any project's scope, schedule or budget. The Steering Committee also noted the complexity involved in Project 2, and thanked the City of Playford team for their hard work in investigating solutions to the issues arising.

Table 1: Traffic-light assessment of project progress

Project	Overall performance
Project 1: Hillier fire rehabilitation works	
Project 2: Carmelo and Park Roads drain	
Project 3: Improving flood forecasting and warning	
Project 4: river survey, levee repair and vegetation management	
Business Case	

### Business Case

The Department for Environment and Water is the sponsor agency for development of a Business Case following the Infrastructure SA Assurance Framework. A number of technical investigations are currently being commissioned. It is now expected, due to a number of factors, including delays in the Stormwater Management Plan, delays in appointing appropriate technical resources, and scarcity in the supplier market, that a draft business case will start to come together in 2022/23. However, further functional design and elaboration around benefits and costs will need to be undertaken in 2023/24 to complete a full business case. There are also risks around the long-term funding model not being resolved that may require more time (in 2023/24).

Stakeholder engagement to inform the Business Case will commence in late 2022, following a stakeholder engagement strategy approved by the Steering Committee. This includes targeted discussions with landholders who may be affected by potential flood mitigation infrastructure.

### Potential funding for 2023/24

Advice from the Steering Committee is for local councils to first consider the Business Case requirements and their council's capacity to provide funding in 2023/24, and to collectively approach the state government in writing with a request to support completing the Business Case.

#### More information

[DEWFloodProjects@sa.gov.au](mailto:DEWFloodProjects@sa.gov.au)

<https://www.environment.sa.gov.au/topics/flood/projects>

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<b>Agenda Item:</b>	<b>8.2</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>Stormwater Management Plan Progress Report</b>

---

**Recommendation:**  
**That the GRFMA receives the report.**

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Water Technology has previously been contracted to facilitate preparation of the Gawler River Storm Water Management Plan (SMP).

The SMP project management team consists of:

- Ms Melinda Lutton, Water Technology
- Mr Shaun Feilding, City of Playford
- Mr David Hitchcock, GRFMA

Ms Melinda Lutton (Regional General Manager Principal Environmental Engineer, Water Technology), attended the 20/10/2022 meeting, via e-meeting technology and presented an update of progress of the SMP.

Following the 20/10/2022 GRFMA meeting, the Department for Environment and Water (DEW) sought specific information, contained within the SMP, to assist with the Department's efforts to progress the Gawler River Flood Mitigation Business Plan.

Subsequent discussion between the GRFMA Chair, Mr Ian Baldwin, GRFMA Executive Officer, Mr David Hitchcock, and Mr Shaun Feilding, City of Playford, noted that:

- Bringing the draft Gawler River SMP to immediate completion is a critical requirement of the GRFMA Board and this should be the focus of allocation of available resources.
- Aspects of the SMP are important and complementary to facilitating progress of the Gawler River Flood Mitigation Business Case. GRFMA has a partnership with DEW in this.
- The information request by DEW relates to both information that would be expected to be normally collated within the process and in scope of the SMP; and information that would not be expected to be normally collated within the process and scope of the SMP i.e. out of scope and require additional resources and cost to facilitate.

Water Technology was then requested to provide:

1. Detail of what "in scope" information is available now and which can be provided to GRFMA/DEW at this time.
2. Detail of what "in scope" information is yet to be completed within the SMP and what time frame would GRFMA expect it to be available.
3. The targeted completion date for the Draft SMP document.

Refer to the table below for the 16/11/2022 response from Water Technology.

The 28/11/2022 GRFMA Audit Committee Meeting discussed the continuing delays in the SMP delivery and resolved the following:

*Members noted the actions from previous resolutions summary and the Progress Report GRFMA Annual Business Plan 2022 – 2023 and registered concern at the continuing delay in completion of the Stormwater Management Plan (SMP) by Water Technology.*

*The meeting agreed that it is imperative that the draft SMP is presented to the 8 December 2022 GRFMA meeting to ensure timely consideration prior to the pending Christmas / New Year holiday break and the next available GRFMA meeting after that being 16 February 2023.*

*That the GRFMA Audit Committee:*

- 1. Receives the progress report of the GRFMA Business Plan 2022-2023.*
- 2. Recommends further action be undertaken by GRFMA Chair, Mr Ian Baldwin to contact Mr Steve Clark, Managing Director, Water Technology, to request provision of the Gawler River Stormwater Management Plan document to the GRFMA by close of business Friday 2 December 2022.*

The GRFMA Chair, Mr Baldwin, contacted Water Technology, as requested by the Audit Committee, on 29/11/2022.

At the time of writing this report discussions were continuing with endeavor to achieve the GRFMA Audit Committee expectations.

A further late report to update members on progress with the SMP will be provided prior to the 8/12/2022 GRFMA meeting.

Done	In progress	Time to complete
Introduction		
Data review including 1. other inputs (e.g. helicopter survey) 2. Gap Analysis 3. Other Projects (Flood Hazard Mapping and ILM Projects) 4. Data Sharing	Data sharing to be agreed– still not agreed wording with AGD, but intent remains to fully share	Will make this a priority next week
Assessment of the Catchment 5. Study area 6. Topography and land use 7. Climate and hydrology 8. Socio-Political Context and Cultural 9. Flooding risks and controls 10. Flow volume and water quality 11. Gawler Water Reuse Scheme 12. Development policy 13. Climate change	Catchment description mapping	End November– spatial team
Consultation 14. Strategy from Initial Stakeholder Consultation 15. Next Steps 16. Consultees 17. Strategy from Initial Consultation 18. Summary of Comments Received 19. First Nations Consultation		
Hydrology		
Modelling and Analysis to Identify Stormwater Risks and Issues 20. Initial Calibration and Limitations 21. Drainage performance 22. Flood impacts 23. Flood damages 24. Risk	Section in report to be completed, but modelling itself is complete for this stage, and also for the SMP	End November - Terence
Mitigation Options 25. Options Considered 26. Options not Considered 27. Reasoning		
Planning - Standalone report uploaded to SharePoint site		
Water Quality	Standalone report	Speaking to Kathryn/ Lance Lloyd to agree a date – pushing for end November but will need to confirm

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<b>Agenda Item:</b>	<b>8.3</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>Stormwater Management Expert Panel</b>

---

**Recommendation:**

**That the GRFMA notes the report and receives further progress reports as relevant to information being available.**

---

The GRFMA meeting of 20/10/2022 included discussion on what progress might have been made in deliberations of the Stormwater Expert Panel and how it might relate to GRFMA consideration of the Charter Review 2 Funding model proposal.

The meeting subsequently resolved:

*That the Executive Officer (GRFMA) bring back a report to the December 2022 meeting providing a progress update on the body of work being undertaken by the expert panel on stormwater as it relates to flood management, possible funding models across all three tiers of government and single entity ownership for new infrastructure.*

Action was undertaken in seeking the relevant information via correspondence with the General Manager of the Stormwater Management Authority who advised:

*The panel members are yet to settle on draft recommendations (but are getting closer). The panel meet again on the 12 December 2022.*

*The Panel has not changed its view on the need to engage with key stakeholders on its draft recommendations. The Panel is sensitive to the impending Christmas/New Year period and what is (or isn't) best practice for consultation and will likely settle on a consultation strategy and timeline after its next meeting.*

<b>Agenda Item:</b>	<b>8.4</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>Long Term Financial Plan and Asset Management Plan</b>

---

**Recommendation:**

**That the GRFMA:**

- 1. Adopts the Long-Term Financial Plan 2023/2032 and the Asset Management Plan 2023/2032.**
  - 2. Endorses use of the document to assist compilation of the 2023/2024 GRFMA Annual Plan and Annual Budget.**
- 

The inaugural draft GRFMA Long Term Financial Plan and the Asset Management Plan documents were received at the 18/8/2022 GRFMA meeting with endorsement for provision of copies of the documents to be made to Constituent Councils Administration and GRFMA Board Members for feedback.

Copies of the documents were provided to GRFMA Board members on 5/9/2022.

Council CEOs (or nominee Board Members) were also invited to forward the draft documents to relevant Council administration staff for consideration and comment.

Feedback received advised utilisation of CPI of 2.5% for 2022/2023 and 2.5% for the rest of the plan does not appear to be enough.

*"While it is hard to estimate CPI in the current environment it might be more appropriate to use CPI of around 5% for 2022/2023 and 4% in the medium term (year 2 to 3) and 2.5% thereafter".*

No comments were received regarding the Asset Management Plan.

The Draft Long Term Financial Plan and the Asset Management Plan have now been amended to reflect the feedback regarding the current CPI environment.

The final draft documents were endorsed by the 28 November 2022 GRFMA Audit Committee meeting.

See attached for a copy of the documents.





**Gawler River Floodplain Management Authority**

**2023-2032**

# **Asset Management Plan**



November 2022

Document Control		<div><b>IPWEA</b> <small>INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA</small></div> <div><b>JRA</b></div> <div><b>Asset Management Plan</b></div>			
Document ID : NAMSPLUS Concise Asset Management Plan Template_V2_170508					
Rev No	Date	Revision Details	Author	Reviewer	Approver
	11/9/19	Prepare plan	DEH		
	25/3/22	Update Plan	VM		
	26/08/22	Update Plan	VM		
	17/7/22	Final for adoption	DEH		

### NAMS.PLUS Asset Management Plan Templates

NAMS.Plus offers two Asset Management Plan templates – ‘Concise’ and ‘Comprehensive’.

The Concise template is appropriate for those entities who wish to present their data and information clearly and in as few words as possible whilst complying with the ISO 55000 Standards approach and guidance contained in the International Infrastructure Management Manual.

The Comprehensive template is appropriate for those entities who wish to present their asset management plan and information in a more detailed manner.

This is the **Concise** Asset Management Plan template.

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# 1 EXECUTIVE SUMMARY

## 1.1 The Purpose of the Plan 2023-2032

Asset management planning is a comprehensive process to ensure delivery of services from infrastructure is provided in a financially sustainable manner.

This plan covers the infrastructure assets that provide Flood Mitigation comprising of:

- Bruce Eastick North Para Flood Mitigation Dam
- Associated land
- Road Access

These infrastructure assets have significant value estimated at \$25,806,000

## 1.2 Levels of Service

Our present funding levels are insufficient to continue to provide existing services at current levels in the medium term.

The main services consequences are:

- Asset not fit for purpose
- Land in disrepair

## 1.4 Future Demand

The main demands for new services are created by:

- Economic and Infrastructure development in the Gawler River Catchment
- Heavy rainfall events over the catchment
- These will be managed through a combination of managing existing assets, upgrading of existing assets and providing new assets to meet demand and demand management. Demand management practices include non-asset solutions, insuring against risks and managing failures.
- Recommendations of the Gawler River 2016 Flood Review, the 2016 Dam Raise Feasibility study, the Gawler River Stormwater Management Plan and the Gawler River Flood Management Business Case (DEW)

## 1.5 Lifecycle Management Plan

### What does it cost?

The projected outlays necessary to provide the services covered by this Asset Management Plan (AM Plan) includes operations, maintenance, renewal and upgrade of existing assets over the 10-year planning period is \$1,233,642

Funding (cash allocation) of annual depreciation calculations is not undertaken, rather the policy is ensuring the GRFMA is provided with sufficient cash

flow to maintain the Dam at required service provision levels.

## 1.6 Financial Summary

### What we will do

We plan to provide Flood Mitigation services for the following:

- Operation, maintenance, renewal and upgrade of the Bruce Eastick North Para Flood Mitigation Dam and associated land to meet service levels set by in annual budgets.
- Trash Rack cleaning rubbish removal from the Dam,
- General condition inspections monthly, interim condition inspections biennially (2 years), comprehensive engineering inspections every 5 years.
- Consideration of raising the height of the Dam is currently on hold. Projected cost indications of the Dam raise are in the order of \$62 Million.
- Land management including control of weeds and fire prevention measures are undertaken via land lease arrangements.

### Managing the Risks

The main risk consequences are:

- Lack of capacity to fund repairs and maintenance and renewal due to not recognising depreciation (consumption of asset value).
- Insufficient fund availability to renew assets at end of estimated service life
- The considered life of the Dam as an asset is based on 80 years; however, it could be argued that it would be longer.
- We will endeavor to manage these risks within available funding by General condition inspections monthly, interim condition inspections biennially (2 years), comprehensive engineering inspections every 5 years.

## 1.8 Monitoring and Improvement Program

The next steps resulting from this asset management plan to improve asset management practices will be consideration by the GRFMA Board on implications and perceived risks.

## 2. INTRODUCTION

### 2.1 Background

This asset management plan communicates the actions required for the responsive management of assets (and services provided from assets), compliance with regulatory requirements, and funding needed to provide the required levels of service over a 10-year planning period.

The asset management plan is to be read with the GRFMA Strategic Plan 2021-2026 .

The infrastructure assets covered by this asset management plan are shown in Table 2.1.

These assets are used to provide flood mitigation services.

**Table 2.1: Assets covered by this Plan**

Asset Category	Dimension	Replacement Value
• Bruce Eastick North Para Flood Mitigation Dam	25mtr high @y 80 mtr wide	\$25,836,879
Associated land lot 62 hd Kingsford		\$477,000
Road access		\$84,000
<b>TOTAL (fair value)</b>		<b>\$26,397,879</b>

### 2.2 Goals and Objectives of Asset Management

Our goal in managing infrastructure assets is to meet the defined level of service (as amended from time to time) in the most cost-effective manner for present and future consumers. The key elements of infrastructure asset management are:

- Providing a defined level of service and monitoring performance,
- Managing the impact of growth through demand management and infrastructure investment,
- Taking a lifecycle approach to developing cost-effective management strategies for the long-term that meet the defined level of service,
- Identifying, assessing and appropriately controlling risks, and
- Linking to a long-term financial plan which identifies required, affordable expenditure and how it will be allocated.

### 2.3 Core and Advanced Asset Management

This asset management plan is prepared as a 'core' asset management plan over a 10-year planning period in accordance with the International Infrastructure Management Manual<sup>1</sup>. It is prepared to meet minimum legislative and organizational requirements for sustainable delivery and long term financial planning and reporting. Core asset management is a 'top down' approach where analysis is applied at the system or network level. An 'advanced' asset management approach uses a 'bottom up' approach for gathering detailed asset information for individual assets.

## 3. LEVELS OF SERVICE

### 3.1 Customer Research and Expectations

GRFMA has undertaken consultation with the six constituent councils, via the GRFMA Strategic plan consultation, regarding asset management service level expectations. Future revisions of the asset management plan will incorporate further consultation on service levels and costs of providing the service. This will assist the GRFMA and

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<sup>1</sup> IPWEA, 2015, IIMM.

constituent councils in matching the level of service required, service risks and consequences with the community's ability and willingness to pay for the service.

### 3.2 Strategic and Corporate Goals

This asset management plan is prepared under the direction of the GRFMA Charter goals and objectives.

The GRFMA was established for the following purposes:

- 1.To co-ordinate the construction, operation and maintenance of flood mitigation infrastructure in the Gawler River area ('the Floodplain');
- 2.To raise finance for the purpose of developing, managing and operating and maintaining flood mitigation works within the Floodplain;
- 3.To provide a forum for the discussion and consideration of topics relating to the Constituent Council's obligations and responsibilities in relation to management of flood mitigation within the Floodplain;
- 4.To enter into agreements with Constituent Councils for the purpose of managing and developing the Floodplain.

The GRFMA will exercise its duty of care to ensure public safety in accordance with the infrastructure risk management plan prepared in conjunction with this AM Plan. Management of infrastructure risks is covered in Section 6.

### 3.3 Legislative Requirements

Legislative requirements relating to the management of assets include:

**Table 3.3: Legislative Requirements**

Legislation	Requirement
Local Government Act 1999	Asset Management planning, financial plans and service delivery.
Natural Resources Management Act	Water Affecting Activities
2003 ANCOLD Dam Management Guidelines	Management of Dams, inspection and maintenance

### 3.4 Customer Levels of Service

Service levels are defined service levels in two terms, customer levels of service and technical levels of service. These are supplemented by organisational measures.

**Customer Levels of Service** measure how the six constituent councils receive the service and whether value is provided.

Customer levels of service measures used in the asset management plan are:

**Quality** How good is the service ... *what is the condition or quality of the service?*

**Function** Is it suitable for its intended purpose .... *Is it the right service?*

**Capacity/Use** Is the service over or under used ... *do we need more or less of these assets?*

The current and expected customer service levels are detailed in Tables 3.4 and 3.5. Table 3.4 shows the expected levels of service based on resource levels in the current long-term financial plan.

**Organisational measures** are measures of fact related to the service delivery outcome e.g. number of occasions when service is not available, condition %'s of Very Poor, Poor/Average/Good, Very good.

These Organisational/Organizational measures provide a balance in comparison to the customer perception that may be more subjective.

Table 3.4: Customer Level of Service

	Expectation	Performance Measure Used	Current Performance	Expected Position in 10 Years based on the current budget.
<b>Service Objective: Flood Mitigation</b>				
<b>Quality</b>	Flood protection for a 1 in 100 AEP event	Extent of flooding	Low	Low
	<b>Confidence levels</b>		Medium	Medium
<b>Function</b>	The Dam is a flood control dam and was built in 2007 with the design objective of providing flood protection to the township of Gawler for a 1 in 50 AEP event	Measurement of rainfall/flood event severity	High	Low
	<b>Confidence levels</b>		Medium	Low
<b>Capacity and Use</b>				
	The main dam has a crest length of approximately 226m of which 150m is the primary spillway. The main dam has a 5m wide crest with a vertical upstream face and stepped downstream face. The main dam incorporates a low level outlet pipe that is 2.1 m in diameter and twin high level outlets each 1.8m in diameter. The dam will see substantial flows over the spillway in design flood events,	Review of flood events	High - 2016 Flood	High for similar event as 2016. Low for greater ARI event
	<b>Confidence levels</b>		High	Low

### 3.5 Technical Levels of Service

The flood consequence category of the Bruce Eastick North Para Flood Mitigation Dam has been determined as High B as per the ANCOLD Guideline. This impacts on the inspection regime for the dam as inspections are in part determined based on the consequence category of the dam and also on the dam type and the value of the dam to the owner and the community.

Table 3-5.1: ANCOLD recommended inspection frequencies

Inspection type			
Comprehensive	Intermediate	Routine Visual	Special
5 yearly	Annual	Daily to tri-weekly	As required



The Bruce Eastick North Para Flood Mitigation Dam is a flood control dam that only impounds water in times of flood. This is nontypical for most dams and does alter the recommended inspection frequency predominately by reducing the need for Routine Visual inspections as the dam does not impound water for the majority of time. However, the need for special inspections is higher after each flood. Based on this the recommended inspection frequency is contained in Table 5-2.

Table 3-5.2 (ANCOLD Dam Safety Guidelines, 2003) provides greater detail on the conduct of dam safety inspections.

Inspection	Personnel	Purpose
Comprehensive	Dam Engineer and specialists (where relevant)	The identification of deficiencies by thorough onsite inspections; by evaluating surveillance data and by applying current criteria and prevailing knowledge. Equipment should be test operated to identify deficiencies.
Intermediate	Dams Engineer	The identification of deficiencies by visual examination of the dam and review of recent surveillance data, with recommendations for corrective actions. Equipment is inspected and, preferably, test operated.
Routine/Visual	Operations Personnel	The identification and reporting of deficiencies by visual observation of the dam by operating personnel as part of their duties at the dam.
Special/Emergency	Dams Engineer and specialists	The examination of a particular feature of a dam for some special reason (e.g. After earthquakes, heavy floods, rapid drawdown, emergency situation) to determine the need for pre-emptive or corrective actions.

## 4. FUTURE DEMAND

### 4.1 Demand Drivers

Drivers affecting demand include things such as population change, regulations, changes in demographics, seasonal factors, vehicle ownership rates, consumer preferences and expectations, technological changes, economic factors, agricultural practices, environmental awareness, etc.

### 4.2 Demand Forecasts

The present position and projections for demand drivers that may impact future service delivery and use of assets were identified and are documented in Table 4.3.

### 4.3 Demand Impact on Assets

The impact of demand drivers that may affect future service delivery and use of assets are shown in Table 4.3.

**Table 4.3: Demand Drivers, Projections and Impact on Services**

Demand drivers	Present position	Projection	Impact on services
Economic and Infrastructure development in the Gawler River Catchment	Development is not co-ordinated across the floodplain.	Major developments being proposed. Eg Buckland Park, Northern Adelaide Irrigation Investments	Increases severity of flooding potential
Heavy rainfall events over the catchment	Dam works as designed however the Gawler River is prone to breakaways during high rain fall events	Material flood damage to lower reaches of the Gawler river- community assets and horticulture	Demand for mitigation infrastructure

## 4.4 Demand Management Plan

Demand for new services will be managed through a combination of managing existing assets, upgrading of existing assets and providing new assets to meet demand and demand management. Demand management practices can include non-asset solutions, insuring against risks and managing failures.

Opportunities identified to date for demand management are shown in Table 4.4. Further opportunities will be developed in future revisions of this asset management plan.

**Table 4.4: Demand Management Plan Summary**

Demand Driver	Impact on Services	Demand Management Plan
Gawler River 2016 Flood Review	New infrastructure required \$27 Million	Subject to Federal and State Government Funding
Raise Dam Feasibility Study	New infrastructure required \$ 62 Million	Subject to Federal and State Government Funding
Gawler River Stormwater Management Plan	Yet to be finalised (October 2022)	Subject to Federal and State Government Funding
Gawler River Flood Management Business Case (DEW)	Yet to be finalised (December 2022)	Subject to Federal and State Government Funding

## 5. LIFECYCLE MANAGEMENT PLAN

The lifecycle management plan details how the GRFMA plans to manage and operate the assets at the agreed levels of service (defined in Section 3) while managing life cycle costs.

### 5.1 Background Data

#### 5.1.1 Physical parameters

The assets covered by this asset management plan are shown in Table 2.1.

The assets are generally the Bruce Eastick North Para Flood Mitigation dam, and adjoining land.

The first asset valuation of Bruce Eastick Flood Mitigation Dam was undertaken by Entura for GRFMA in 2014/15. As the Worksheet (2011) requires the revaluation should be carried out every five years, GRFMA requested Entura to

undertake the asset revaluation of Bruce Eastick Flood Mitigation Dam to determine the replacement cost of the dam at 2018/19 prices.

The 2019 report by Entura estimated replacement cost for Bruce Eastick Flood Mitigation Dam is \$25.836 million at June 2019 cost and the corresponding written down value is \$22.332million (excluding land costs) based on the most current construction rate information and relevant accounting standards for 2019.

Land is valued at \$477,000.

Access roads are valued at \$84,000.

### 5.1.2 Asset capacity and performance

Assets are generally provided to meet design standards where these are available.

Locations where deficiencies in service performance are known are detailed in Table 5.1.2.

**Table 5.1.2: Known Service Performance Deficiencies**

Location	Service Deficiency
Bruce Eastick North Para Flood Mitigation Dam	Events of 50 ARI
Land	All weather access to the Dam

### 5.1.3 Asset condition

Condition is monitored as per item 3.5

## 5.2 Routine Maintenance Plan

Routine maintenance is the regular on-going work that is necessary to keep assets operating, including instances where portions of the asset fail and need immediate repair to make the asset operational again.

Table 5.2.1 Inspection Frequency

Inspection Type	Comprehensive	Intermediate	Routine Visual	Special
Bruce Eastick North Para Flood Mitigation Dam	5 yearly	Every Second year (See Note 1)	Monthly (See Note 2)	As required (See Note 3 and 4)
Personnel	Dam engineer and specialists as required.	Dams Engineer	Operational staff	Dam engineer and specialists as required.
Site access roads, swales and culverts, gates, fencing and signage			Monthly	
Personnel			Operational staff	

Notes:

1. If a Special Inspection is required in an individual year this can include the Intermediate Inspection for that period.
2. After an event that requires a Special Inspection this inspection frequency should be increased to Daily until the Special Inspection has been undertaken.
3. The Inspection regime should be reviewed at every Special Inspection and adjusted as recommended by the Dams Engineer.
4. A Special Inspection is required after a large flood, an earthquake (of magnitude sufficient to cause shaking in the area) or any other emergency situation. For floods it is recommended that a Special Inspection be undertaken if the high-level outlets operate.

## 5.3 Renewal Replacement Plan

### 5.3.1 Maintenance plan

Field inspection sheets are to be established for the routine and annual inspections. The inspections shall include review of all monitoring data and any incidents.

An inspection report shall be prepared for each inspection other than the routine where the inspection sheet will be sufficient. A register of issues for close out shall be maintained.

Costed maintenance expenditure (and budgeted council subscription income ) is shown in Table 5.3.1.

**Table 5.3.1: Maintenance Expenditure Trends**

Costed Maintenance 10 year											
Year	1	2	3	4	5	6	7	8	9	10	
Financial year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
Subscription Budget	69550	69550	69550	69550	69550	69550	69550	69550	69550	69550	
Costed repairs *	21506	63261	23485	141576	86323	75440	28007	82382	30584	142904	
Balance	48044	54333	100398	28372	11599	5709	47252	34420	73386	32	

\*Source- Bruce Eastick North Para Flood Mitigation Dam Maintenance Cost Analysis 26 July 2022

Allocated maintenance expenditure levels as above are adequate to meet required service levels. Future revision of this asset management plan will include linking required maintenance expenditures with required service levels.

Assessment and prioritisation of reactive maintenance is undertaken by operational staff using experience and judgement.

## 5.4 Creation/Acquisition/Upgrade Plan

New works are those that create a new asset that did not previously exist or works which will upgrade or improve an existing asset beyond its existing capacity. They may result from growth, social or environmental needs. Assets may also be acquired at no cost. These additional assets are considered in Section 4.4.

#### 5.4.1 Selection criteria

New assets and upgrade/expansion of existing assets are identified from various sources such as community requests, proposals identified by strategic plans or partnerships with others. Candidate proposals are inspected to verify need and to develop a preliminary renewal estimate. Verified proposals are ranked by priority and available funds and scheduled in future works programmes. The priority ranking criteria is detailed below.

**Table 5.4.1: New Assets Priority Ranking Criteria**

Criteria	Weighting
Dam with 100 ARI capacity	30%
Low flooding incidence in Gawler River floodway	70%
Total	100%

Expenditure on new assets and services in the capital works program will be accommodated in the long term financial plan but only to the extent of the available funds

Should these new assets be realised additional funding commitments of ongoing operations, maintenance and renewal costs will be required for the period that the service provided from the assets is required.

## 5.5 Disposal Plan

Disposal includes any activity associated with the disposal of a decommissioned asset including sale, demolition or relocation. Assets identified for possible decommissioning and disposal are shown in Table 5.5, together with estimated annual savings from not having to fund operations and maintenance of the assets. These assets will be further reinvestigated to determine the required levels of service and see what options are available for alternate service delivery, if any. Any costs or revenue gained from asset disposals is accommodated in the long term financial plan.

**Table 5.5: Assets Identified for Disposal**

Asset	Reason for Disposal	Timing	Disposal Expenditure	Operations & Maintenance Annual Savings
Nil				

## 6. RISK MANAGEMENT PLAN

The purpose of infrastructure risk management is to document the results and recommendations resulting from the periodic identification, assessment and treatment of risks associated with providing services from infrastructure, using the fundamentals of International Standard ISO 31000:2009 Risk management – Principles and guidelines.

Risk Management is defined in ISO 31000:2009 as: ‘coordinated activities to direct and control with regard to risk’<sup>2</sup>.

An assessment of risks<sup>3</sup> associated with service delivery from infrastructure assets has identified critical risks that will result in loss or reduction in service from infrastructure assets or a ‘financial shock’. The risk assessment process identifies credible risks, the likelihood of the risk event occurring, the consequences should the event occur, develops a risk rating, evaluates the risk and develops a risk treatment plan for non-acceptable risks.

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<sup>2</sup> ISO 31000:2009, p 2

## 6.1 Critical Assets

Critical assets are defined as those which have a high consequence of failure causing significant loss or reduction of service. Similarly, critical failure modes are those which have the highest consequences.

Critical assets have been identified and their typical failure mode and the impact on service delivery are as follows:

**Table 6.1 Critical Assets**

Critical Asset(s)	Failure Mode	Impact
Bruce Eastick North Para Flood Mitigation Dam	Flood Failure” - the difference between the consequences of a natural rainfall and flooding event with the consequences resulting from the failure of the dam during the same AEP flood event	High

By identifying critical assets and failure modes investigative activities, condition inspection programs, maintenance and capital expenditure plans can be targeted at the critical areas.

## 6.2 Risk Assessment

An assessment of risks<sup>4</sup> associated with service delivery from infrastructure assets has identified the critical risks that will result in significant loss, ‘financial shock’ or a reduction in service.

Critical risks are those assessed with ‘Very High’ (requiring immediate corrective action) and ‘High’ (requiring corrective action) risk ratings identified in the Infrastructure Risk Management Plan. The residual risk and treatment cost after the selected treatment plan is implemented is shown in Table 6.2. These risks and costs are reported to management and GRFMA.

Two critical risk associated with the Bruce Eastick North Para Flood Mitigation Dam are failure of the structure of the Dam ( Dam Break) and over topping of the Dam Crest wall in a flood event greater than 50 ARI .

**Table 6.2: Critical Risks and Treatment Plans**

Service or Asset at Risk	What can Happen	Risk Rating (VH, H)	Risk Treatment Plan	Residual Risk *	Treatment Costs
Bruce Eastick North Para Flood Mitigation Dam	Sunny Day Failure (SDF); Dam Crest Flood (DCF) (with and without failure); and Probable Maximum Flood (PMF) (with and without failure)		Dam break and Consequence Assessment  Annual Maintenance	<b>Low</b>  <b>High B (ANCOLD)</b>	Nil  Ref Table 5.3.1
Bruce Eastick North Para Flood Mitigation Dam	Flood Failure	H	Raise Dam height	Low	\$62,000,000

Note \* The residual risk is the risk remaining after the selected risk treatment plan is operational.

## 6.3 Infrastructure Resilience Approach

The resilience of our critical infrastructure is vital. To adapt to changing conditions and grow over time we need to understand our capacity to respond to possible disruptions and be positioned to absorb disturbance and act effectively in a crisis to ensure continuity of service.

Resilience is built on aspects such as response and recovery planning, financial capacity and crisis leadership.

Our current measure of resilience is shown in Table 6.4 which includes the type of threats and hazards, resilience assessment and identified improvements and/or interventions.

**Table 6.4: Resilience**

Threat / Hazard	Resilience LMH	Improvements / Interventions
Earthquake	Low	Unknown
Significant flood event (40 ARI)	Low	Strategic Levees infrastructure
100 ARI Flood	Medium	Raise dam

## 7. FINANCIAL SUMMARY

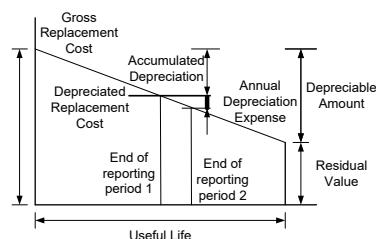
This section contains the financial requirements resulting from all the information presented in the previous sections of this asset management plan. The financial projections will be improved as further information becomes available on desired levels of service and current and projected future asset performance.

### 7.1 Financial Statements and Projections

#### 7.1.1 Asset valuations

The best available estimate of the value of assets included in this Asset Management Plan are shown below. Assets are valued at Fair Value

Gross Replacement Cost	\$26,397,879
Depreciable Amount	\$25,920,879
Depreciated Replacement Cost <sup>5</sup>	\$21,956,256
Annual Average Asset Consumption	\$322,298



#### 7.1.1 Sustainability of service delivery

Two key indicators for service delivery sustainability that have been considered in the analysis of the services provided by this asset category, these being the:

- asset renewal funding ratio, and
- medium term budgeted expenditures/projected expenditure (over 10 years of the planning period).

#### Asset Renewal Funding Ratio

Asset Renewal Funding Ratio<sup>6</sup> 0

<sup>5</sup> Also reported as Written Down Value, Carrying or Net Book Value.

The Asset Renewal Funding Ratio is the most important indicator and indicates that over the next 10 years of the forecasting that we expect to have 100% of the funds required for the optimal renewal and replacement of assets.

### Medium term – 10 year financial planning period

This asset management plan identifies the projected operations, maintenance and capital renewal expenditures required to provide an agreed level of service over a 10 year period. This provides input into 10 year financial and funding plans aimed at providing the required services in a sustainable manner.

These projected expenditures may be compared to budgeted expenditures in the 10 year period to identify any funding shortfall. In a core asset management plan, a gap is generally due to increasing asset renewals for ageing assets.

The projected operations, maintenance and capital renewal expenditure required over the 10-year planning period is identified in Table 5.3.1.

Funding (cash allocation) of annual depreciation calculations is not undertaken, rather the policy is ensuring the GRFMA is provided with sufficient cash flow to maintain the Dam at required service provision levels.

GRFMA's target is a deficit equivalent of depreciation expense each year, net of estimated (budget) operations and maintenance outcomes

The Long-Term Financial Plan indicates that GRFMA will operate on average over the 10-year term with an operating deficit of \$2,699,940

## 7.2 Funding Strategy

Funding for assets is provided from the budget and long-term financial plan.

The financial strategy of the entity determines how funding will be provided, whereas the asset management plan communicates how and when this will be spent, along with the service and risk consequences of differing options.

## 7.3 Valuation Forecasts

Asset values are forecast to remain static unless additional assets are added.

Additional assets will generally add to the operations and maintenance needs in the longer term, as well as the need for future renewal. Additional assets will also add to future depreciation forecasts.<sup>7.4</sup>

## 7.4 Forecast Reliability and Confidence

The expenditure and valuations projections in this AM Plan are based on best available data. Currency and accuracy of data is critical to effective asset and financial management. Data confidence is classified on a 5-level scale<sup>7</sup> in accordance with Table 7.5.

**Table 7.5: Data Confidence Grading System**

Confidence Grade	Description
A Highly reliable	Data based on sound records, procedures, investigations and analysis, documented properly and agreed as the best method of assessment. Dataset is complete and estimated to be accurate $\pm 2\%$
B Reliable	Data based on sound records, procedures, investigations and analysis, documented properly but has minor shortcomings, for example some of the data is old, some documentation is missing and/or reliance is placed on unconfirmed reports or some extrapolation. Dataset is complete and

<sup>6</sup> AIFMM, 2015, Version 1.0, Financial Sustainability Indicator 3, Sec 2.6, p 9.

<sup>7</sup> IPWEA, 2015, IIMM, Table 2.4.6, p 2 | 71.



Confidence Grade	Description
	estimated to be accurate $\pm 10\%$
C Uncertain	Data based on sound records, procedures, investigations and analysis which is incomplete or unsupported, or extrapolated from a limited sample for which grade A or B data are available. Dataset is substantially complete but up to 50% is extrapolated data and accuracy estimated $\pm 25\%$
D Very Uncertain	Data is based on unconfirmed verbal reports and/or cursory inspections and analysis. Dataset may not be fully complete and most data is estimated or extrapolated. Accuracy $\pm 40\%$
E Unknown	None or very little data held.

The estimated confidence level for and reliability of data used in this AM Plan is considered to be Reliable

## 8. PLAN IMPROVEMENT AND MONITORING

### 8.1 Status of Asset Management Practices<sup>8</sup>

#### 8.1.1 Accounting and financial data sources

2021/22 GRFMA Financial Statements

#### 8.1.2 Asset management data sources

2021/22 GRFMA Financial Statements

### 8.2 Monitoring and Review Procedures

This asset management plan will be reviewed during annual budget planning processes and amended to show any material changes in service levels and/or resources available to provide those services as a result of budget decisions.

The AM Plan will be updated annually to ensure it represents the current service level, asset values, projected operations, maintenance, capital renewal and replacement, capital upgrade/new and asset disposal expenditures and projected expenditure values incorporated into the long term financial plan.

### 8.3 Performance Measures

The effectiveness of the asset management plan can be measured in the following ways:

- The degree to which the required projected expenditures identified in this asset management plan are incorporated into the long term financial plan,
- The degree to which 1-5 year detailed works programs, budgets, business plans and corporate structures take into account the 'global' works program trends provided by the asset management plan,
- The degree to which the existing and projected service levels and service consequences (what we cannot do), risks and residual risks are incorporated into the Strategic Plan and associated plans,

## 9. REFERENCES

- IPWEA, 2006, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, [www.ipwea.org/IIMM](http://www.ipwea.org/IIMM)

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<sup>8</sup> ISO 55000 Refers to this the Asset Management System

- IPWEA, 2008, 'NAMS.PLUS Asset Management', Institute of Public Works Engineering Australasia, Sydney, [www.ipwea.org/namsplus](http://www.ipwea.org/namsplus).
- IPWEA, 2015, 2nd edn., 'Australian Infrastructure Financial Management Manual', Institute of Public Works Engineering Australasia, Sydney, [www.ipwea.org/AIFMM](http://www.ipwea.org/AIFMM).
- IPWEA, 2015, 3rd edn., 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, [www.ipwea.org/IIMM](http://www.ipwea.org/IIMM)
- IPWEA, 2012 LTFP Practice Note 6 PN Long Term Financial Plan, Institute of Public Works Engineering Australasia, Sydney

# **GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY**

**2022/23 – 2031/32**

## **LONG TERM FINANCIAL PLAN**

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## **1. Long Term Financial Planning Defined**

### **1.1 Purpose**

The purpose of a long-term financial plan (LTFP) is to guide the future direction of Gawler River Floodplain Management Authority (GRFMA) in a sustainable manner. It describes the way that GRFMA is responding to requirements of its charter and flood mitigation investment.

The Long-Term Financial Plan is linked with GRFMA's strategic objectives, goals and desired outcomes and is expressed in financial terms. It is a guideline for future action and encourages GRFMA to think about the future impact that decisions made today have on GRFMA's long-term sustainability.

The Authority has been established for the following purposes:

- to co-ordinate the construction, operation and maintenance of flood mitigation infrastructure for the Gawler River. This purpose is the core business of the Authority;
- to raise finance for the purpose of developing, managing and operating and maintaining works approved by the Board;
- to provide a forum for the discussion and consideration of topics relating to the Constituent Council's obligations and responsibilities in relation to management of flood mitigation for the Gawler River;
- upon application of one or more Constituent Councils pursuant to clause 12.4:
  - to coordinate the construction, maintenance and promotion and enhancement of the Gawler River and areas adjacent to the Gawler River as recreational open space for the adjacent communities; and
  - to enter into agreements with one or more of the Constituent Councils for the purpose of managing and developing the Gawler River.

To achieve these roles and the strategic objectives set out in the GRFMA strategic plan the GRFMA must take a long-term view to enable the necessary work to be undertaken to achieve the steps needed to develop a stronger and more resilient community.

The preparation of this plan forms the basis for identifying and quantifying service level standards and the future investment requirements to adequately maintain GRFMA's infrastructure and asset portfolio.

## 1.2 Principles

The Local Government Act 1999 requires local government authorities to prepare strategic management plans including an annual business plan and long-term financial plan.

The GRFMA has recently amended its charter to reflect this principle and is now developing relevant documents.

Under section 122(1a) each local government authorities (GRFMA) must prepare a long-term financial plan for a period of at least 10 years.

*Regulation 5 of the Local Government (Financial Management) Regulations 2011 states:*

*A long-term financial plan developed and adopted for the purposes of section 122 (1a)(a) of the Act must include*

- (b) a summary of proposed operating and capital investment activities presented in a manner consistent with the note in the Model Financial Statements entitled Uniform Presentation of Finances;*
- (c) estimates and target ranges adopted by the GRFMA for each year of the long-term financial plan with respect to an operating surplus ratio, a net financial liabilities ratio and an asset sustainability ratio presented in a manner consistent with the note in the Model Financial Statements entitled Financial Indicators.*

*The long-term financial plan must also be accompanied by a statement which sets out*

- a) the purpose of the long-term financial plan; and*
- b) the basis on which it has been prepared; and*
- c) the key conclusions which may be drawn from the estimates, proposals and other information in the plan*

*This statement must be expressed in plain English and must avoid unnecessary technicality and excessive detail.*

The first projected year of the LTFP is consistent with the Budget Review 1 for the 2022-2023 financial year.

It assumes that GRFMA intends to maintain the existing asset stock in a sustainable manner. It also assumes that GRFMA wants to maintain the current service levels.

## **2. Financial Planning Considerations**

### **2.1 GRFMAs Vision/Mission**

#### **Vision**

Flood mitigation investment with economic, social, environmental and cultural considerations.

#### **Mission**

Advocacy on behalf of the Constituent Councils and their communities for legislative and policy changes on matters related to flood mitigation and management within the Gawler River catchment and floodplain.

### **2.2 Strategic Management Plans**

The GRFMA has a Strategic Plan for 2021-2026 which identifies key issues and priorities. The Plan also considers matters beyond 2026 (nominally 2036)

The Strategic Plan focuses on sustainability to ensure that the needs of both current and future needs are met through integrated and long-term management.

The core values which guide all decisions of GRFMA and which are reflected in the Strategic Plan include:.

Theme 1: Design, build, and maintain physical flood mitigation infrastructure  
Objective: To have in place an agreed extent of physical flood mitigation infrastructure that is fit for purpose and achieves the targeted levels of performance.

Theme 2: Develop and evolve key relationships  
Objective: To maintain key relationships that are most important to the Authority achieving its purpose.

Theme 3: Ensure good governance and ongoing financial sustainability  
Objective: To ensure that the Authority meets legislative requirements and contemporary standards of governance and is financially sustainable for the long term.

### **2.3 Service Delivery**

In the preparation of the LTFP it has been assumed that the current levels of service provided by GRFMA will be maintained throughout the life of the plan.

### **2.4 Roles and Responsibilities**

The Authority has been established for the purpose of co-ordinating the planning, construction, operation and maintenance of flood mitigation infrastructure for the Gawler River, and for the following functions:

- to raise finance for the purpose of developing, managing and operating and maintaining works approved by the Board;

- to provide a forum for the discussion and consideration of topics relating to the Constituent Council's obligations and responsibilities in relation to management of flooding of the Gawler River;
- to advocate on behalf of the Constituent Councils and their communities where required to State and Federal Governments for legislative and policy changes on matters related to flood mitigation and management and associated land use planning within the Gawler River Floodplain;
- to facilitate sustainable outcomes to ensure a proper balance between economic, social, environmental and cultural consideration.

## 2.5 Infrastructure and Asset Management Strategy

Under section 122(1a) of the Local Government Act 1999 GRFMAs must prepare an infrastructure and asset management plan (IAMP) for a period of at least ten years. Due to the long-lived nature of GRFMA assets the IAMP covers a much longer time frame.

The GRFMA IAMP covers a period of 10 years.

In the plan GRFMA is required to distinguish between the replacement and renewal of existing assets and the acquisition or construction of new assets.

New assets will require additional funding either from additional grants, subsidies or constituent council contributions.

The South Australian Model Financial Statements contain the following definitions;

- *A new asset is additional to GRFMA's previous asset complement.*
- *An upgraded asset replaces a previously existing asset with enhanced capability or functionality, where an option existed for replacement without the enhanced capability or functionality.*

GRFMA's strategy is to maintain infrastructure at the current service standard.

The Bruce Eastwick North Para Flood Mitigation Dam is the single most material GRFMA asset and is somewhat unique in the context of general assets owned and maintained by local councils.

Principally based on the magnitude of construction value costs \$18 Million which were substantially funded by Commonwealth and State Government Funds.

A recent revaluation of the Dam (June 2019) provided a value of \$25 Million with accumulated depreciation of \$4.1 Million.

Accounting for depreciation of the asset should be undertaken in accordance with current legislative requirements, however setting aside funding for annual depreciation would be double the current general budget of the GRFMA.

The considered life of the Dam as an asset is based on 80 years; however, it could be argued that it would be longer. Particularly if suitable maintenance and renewal regimes were in place to maintain fair condition.



The GRFMA acknowledges it is likely constituent councils would question any GRFMA Budget contribution that would result in substantive funds (depreciation) being set aside in cash reserves to be utilized for replacement of the Dam at an unknown date.

Additionally, consideration of the possible political climate and aptitude for replacing the Dam in 80 years plus is very much an unknown. Changes in technology and climate change are real variables.

On this basis funding (cash allocation) of annual depreciation calculations is not undertaken.

## **2.6 Revenue and Financing Strategy**

GRFMA operating and capital expenditure decisions are made based on:

- facilitating construction, operation and maintenance of flood mitigation infrastructure in the Gawler River area ('the Floodplain');
- cost effectiveness of the proposed means of service delivery; and
- affordability of proposals having regard to GRFMA's long-term financial sustainability and the support of constituent councils.

## **2.7 Treasury Strategy**

The GRFMA Treasury Management Policy establishes a decision framework to ensure that:

- funds are available as required to support approved outlays;
- the net interest costs associated with borrowing and investing are reasonably likely to be minimised on average over the longer term.

## **3. Financial Sustainability**

The definition of Financial Sustainability for Local Government emanated from the independent SA Local Government Financial Sustainability Inquiry in 2005.

It is defined as follows:

*"A local government authority's long-term financial performance and position is sustainable where planned long-term service and infrastructure levels and standards are met without unplanned increases in rates or disruptive cuts to services."*

The definition was endorsed nationally at the National General Assembly of Local Government in Canberra in November 2006.

### **Why is it important?**

The importance of financial sustainability is to ensure that each generation 'pays their way', rather than any generation 'living off their assets and leaving it to the future generations to address the issue of repairing worn out infrastructure.

The GRFMA is the custodian of infrastructure and assets with a value of \$25 million and has the responsibility to ensure that assets are managed efficiently and effectively; and that decisions regarding the acquisition of new assets and the sale and maintenance of existing assets are undertaken in an open and transparent fashion.

Sound asset management is the key to financial sustainability. There is clearly a direct link between the development and implementation of GRFMA's Infrastructure and Asset Management Plan and its Long-Term Financial Plan. GRFMA has a high investment of assets (Bruce Eastick North Para Flood Mitigation Dam). It will be exposed to financial risk over the longer term if budget processes have little regard for ongoing costs associated with the maintenance and renewal of its assets beyond the current budget period. It is incumbent on GRFMA to carefully consider information about the stock of infrastructure and other assets and the contribution that constituent councils are making to consumption, of assets.

The term "asset management" is used to describe the process by which the GRFMA manages physical assets to meet current and future levels of service. The GRFMA determines the policy framework within which existing assets are managed and new assets acquired and the overall program for maintenance and disposal of

### **How is it measured?**

The financial sustainability of a Local Government entity is measured by the surplus/(deficit) (before capital revenues) disclosed in the Statement of Comprehensive Income.

The GRFMA notes not funding depreciation, in relation to the Bruce Eastick North Para Flood Mitigation Dam, will generally result in deficit results in the Statement of Comprehensive Income; however, establishment of this GRFMA Long-term Financial Plan should ensure provision of suitable funds to maintain and operate the Dam at required service levels. (i.e. it's not so much about funds for depreciation and eventual replacement, rather ensuring the GRFMA is provided with sufficient cash flow to maintain the Dam).

Other indicators that focus attention on factors identified as key to securing long-term financial security include:

- Net financial liabilities
- Operating surplus ratio
- Operating surplus ration (Excluding Depreciation Expense)
- Net financial liabilities ratio
- Asset sustainability ratio

In considering these indicators it is important to note the GRFMA does not raise land taxes(rates) as other councils do, rather the GRFMA is dependent upon subscriptions levied on the Constituent Councils in accordance with Clause 10.2 of the Charter for its continued existence and ability to co-ordinate the construction, operation and maintenance of flood mitigation infrastructure for the Gawler River.

### **Long Term Financial Plan Presentation**

In accordance with the Local Government (Financial Management) Regulations 1999, Part 2, Section 5 and pursuant to section 122(2)(b) of the Local Government Act 1999, a Long Term Financial Plan must include –

- (a) *an estimated income statement, balance sheet, statement of changes in equity and statement of cashflows with respect to the period of the long-term financial plan presented in a manner consistent with the Model Financial Statements;*

- (b) *a summary of proposed operating and capital investment activities presented in a manner consistent with the note in the Model Financial Statements entitled Uniform Presentation of Finances;*
- (c) *estimates with respect to an operating surplus ratio, an asset sustainability ratio and net financial liabilities ratio presented in a manner consistent with the note in the Model Financial Statements entitled Financial Indicators.*

GRFMA's Long Term Financial Plan has been expressed and presented in accordance with the above-mentioned legislation and can be found in Part 5.

#### **4. Performance Indicators**

The legislation requires that GRFMA's strategic management plans, which include the Long-Term Financial Plan, state the measures (financial and non-financial) that are to be used to monitor and assess the performance of the GRFMA against its objectives.

##### **4.1 Basic Assumptions**

The basic assumptions in relation to the major drivers of GRFMA expenditure including inflation (Consumer Price Index), as well as a number of expenditure influencers and capital expenditure projections are detailed below.

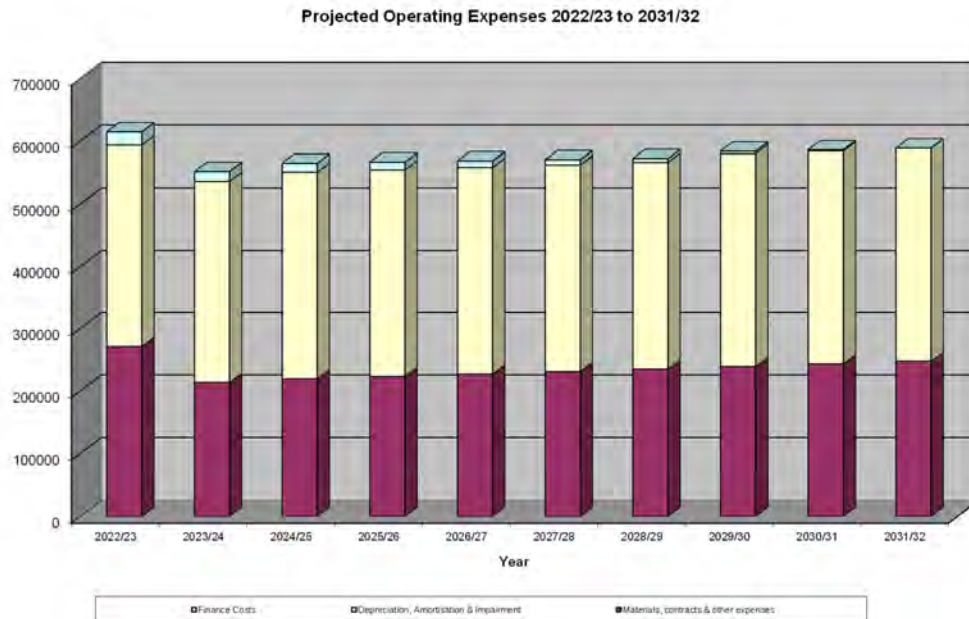
The underlying assumption is that the levels of service being provided are relatively unchanged. As indicated above some of these levels are externally determined. Others depend on GRFMA policy. For instance, if GRFMA wishes to increase the level of expenditure on renewal of assets or to construct new assets then that is an increase in service level. This increase must be accompanied by an increase in funding either from an increase in income such as constituent council contributions, state or federal government funding or borrowings.

- The Consumer Price Index (CPI) is regarded as Australia's key measure of inflation. It is designed to provide a general measure of price inflation for the Australian household sector as a whole. The CPI measures changes over time in a wide range of consumer goods and services acquired by Australian metropolitan households and is measured quarterly this is assumed to be 4% for 2023/2024 & 2024/2025 decreasing to 2.5% for the remainder of the plan.
- Existing service levels will be maintained. This includes periodic (2 year and 5 year programmed Bruce Eastick North Para Flood Mitigation Dam inspections);
- Constituent council contributions will vary in accordance with the cost of the relevant inspection frequency and subsequent maintenance requirement costs and flood mitigation initiatives as agreed with constituent councils.
- User charges will increase by CPI.
- Other revenues will increase by CPI.
- Operating costs (other than financing costs) will increase by CPI.

##### **4.2 GRFMA Operations Expenditure/Revenue Analysis**

*Operating Expenses* – this is what it costs to operate the GRFMA services.

## **EXPENSES**



### **Materials, Contracts & Other Expenses**

Materials, Contract & Other Expenses, effectively include all expenses that are NOT employee costs, finance costs, or depreciation, amortisation & impairment.

Note the GRFMA does not have any employees.

This plan factors that these costs will increase by CPI.

### **Depreciation, Amortisation & Impairment**

Depreciation relates to infrastructure, property, plant, and equipment to which the GRFMA has title.

The annual depreciation of an asset reflects the financial value of the rate at which the asset wears out each year and hence the amount of money which will need to be spent at a point in time in the future to either rebuild or replace the asset.

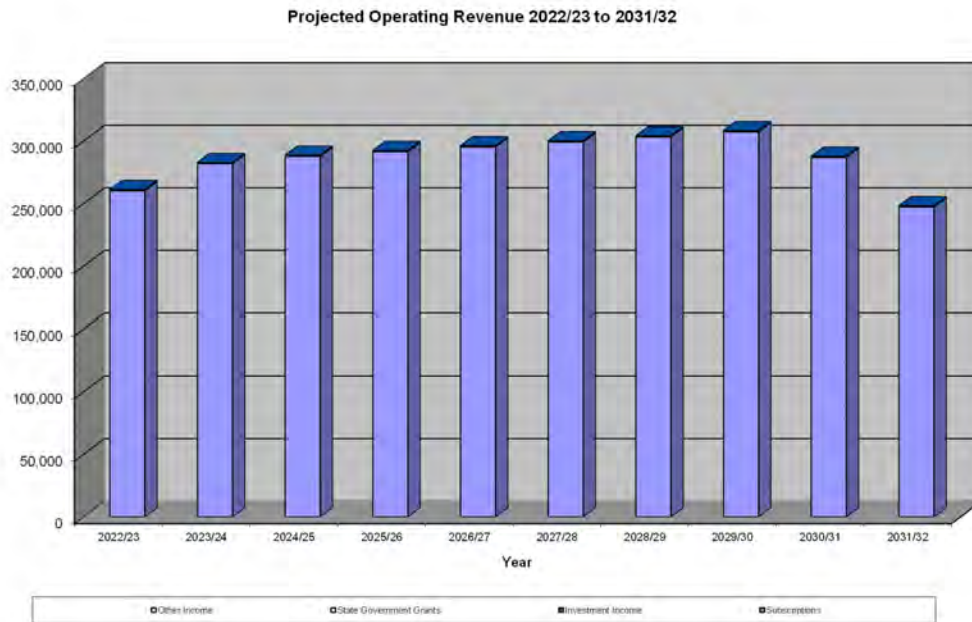
Funding (cash allocation) of annual depreciation calculations is not undertaken, rather the policy is ensuring the GRFMA is provided with sufficient cash flow to maintain the Dam at required service provision levels.

### **Finance Costs**

Finance Costs are the costs of financing activities through borrowings or other types of financial accommodation (e.g. finance leases). This does not include bank charges which is included under materials, contract and other expenses.

Finance Charges for the purpose of this plan have been derived by the interest payable over the next ten years on the existing loan portfolio (Cash Advance Debenture).

## **REVENUE**



### **Subscriptions**

Subscriptions are contributions received from constituent councils.

### **Grants, Subsidies and Contributions**

Includes grants and subsidies from all sources but excludes grants and subsidies specifically provided for new/upgraded assets.

### **Investment Income**

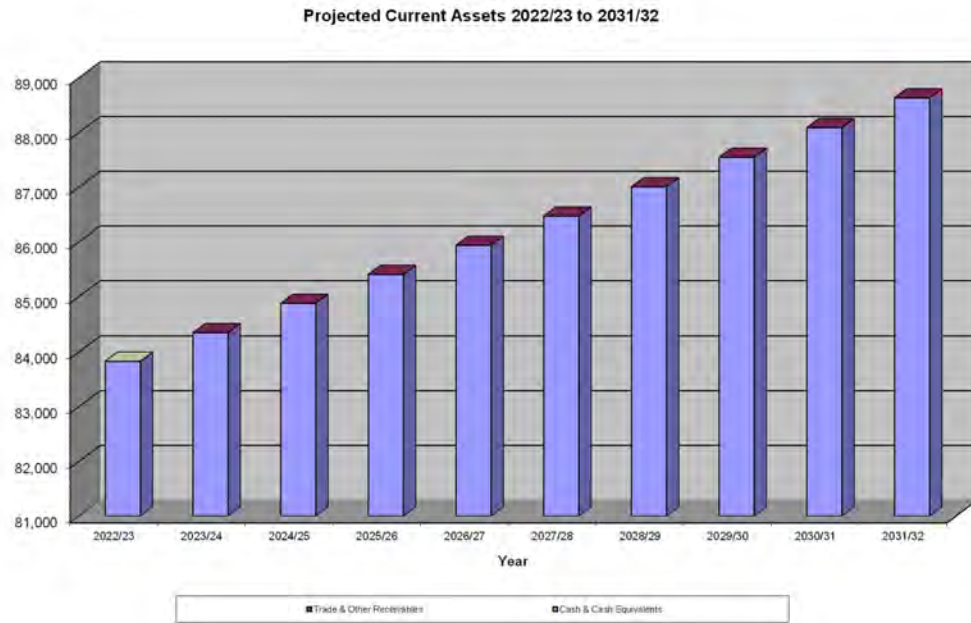
Investment income is revenue from financial investments.

It includes interest received from the Local Government Finance Authority [ LGFA] or banks.

### **Other Income**

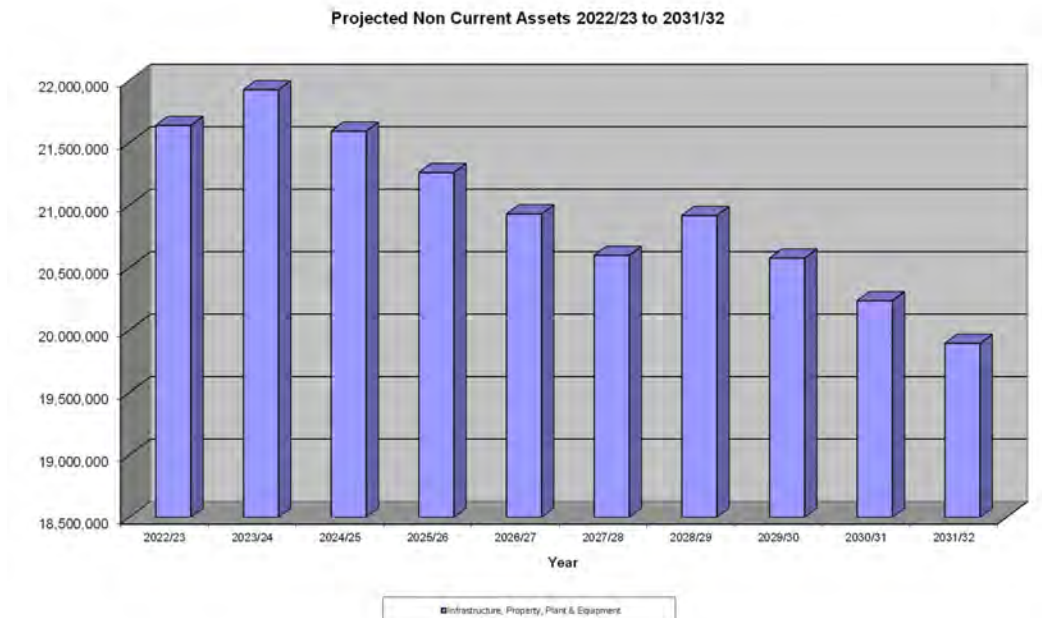
Other revenue is revenue not classified elsewhere.

## CURRENT ASSETS



## **NON CURRENT ASSETS**

Non-current assets include 'fixed' assets such as Land and Dam Infrastructure.



*Capital Expenditure on Renewal Replacement of Existing Assets* - GRFMA expenditure on assets has two parts.

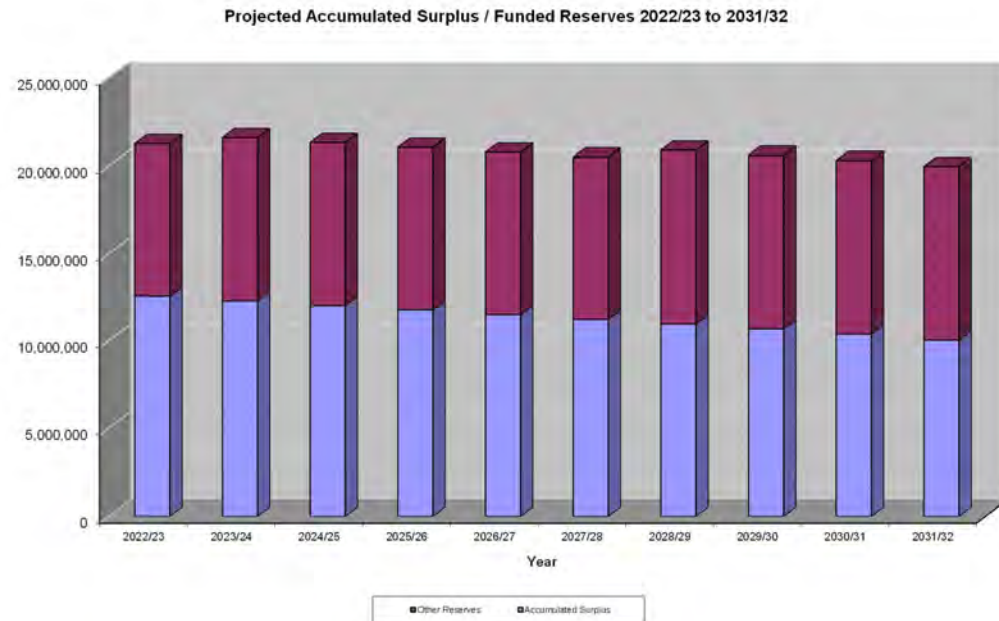
The first is maintenance. This is included in operating expenditure.

The second is capital. That is expenditure on the renewal of GRFMA assets. This is not shown under operating expenditure. It is included in the Balance Sheet of the GRFMA as an asset. Generally, the asset is subsequently depreciated. As indicated above this depreciation expense is included in the operating expenses.

The replacement of Assets is in accordance with GRFMAs Asset Management Plans.

The fluctuation in Non-Current Assets is a result of the Asset Revaluations that have been factored in every 5 years.

## **ACCUMULATED SURPLUS / FUNDED RESERVES**



The movement in the Accumulated Surplus / Funded Reserves is determined by the net operating surplus / (deficit) illustrated on the budgeted Statement of Comprehensive Income – an operating surplus will increase the overall balance whilst a deficit will reduce it.

Not funding depreciation will generally result in annual operating deficits and this is reflected in the reduction of Accumulated Surplus/ Funded Reserves.



### 4.3 Key Financial Indicators

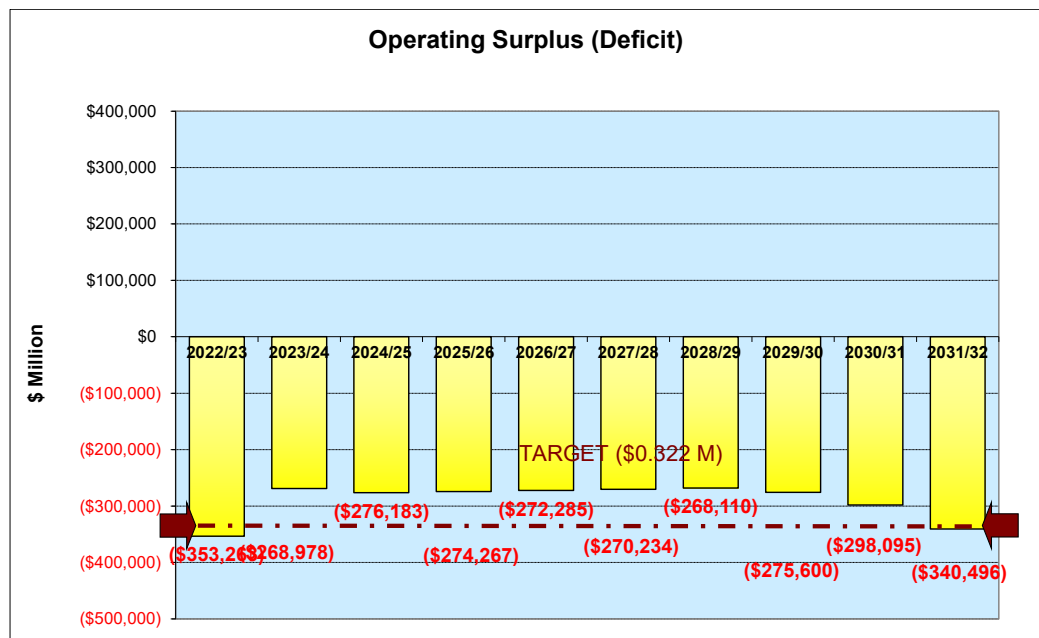
#### Indicator 1 – Operating Surplus (Deficit)

An operating surplus indicates the extent to which operating revenues are sufficient to meet all operating expenses including depreciation and consequently the extent to which the burden of expenses is being met by current ratepayers.

An operating deficit occurs when total operating expenses exceed total operating revenues.

*Calculated as: Operating surplus/ (deficit) before capital amounts (as shown on the Income Statement)*

GRFMA's target is to be at deficit position reflective of depreciation expense each year and balance of unspent maintenance funds



GRFMA's Long Term Financial Plan indicates through the graph above that it will operate on average over the term with an operating deficit.

This means that GRFMA will have less available cash to spend on the construction of new assets after renewal of existing assets whilst maintaining its current level of services.

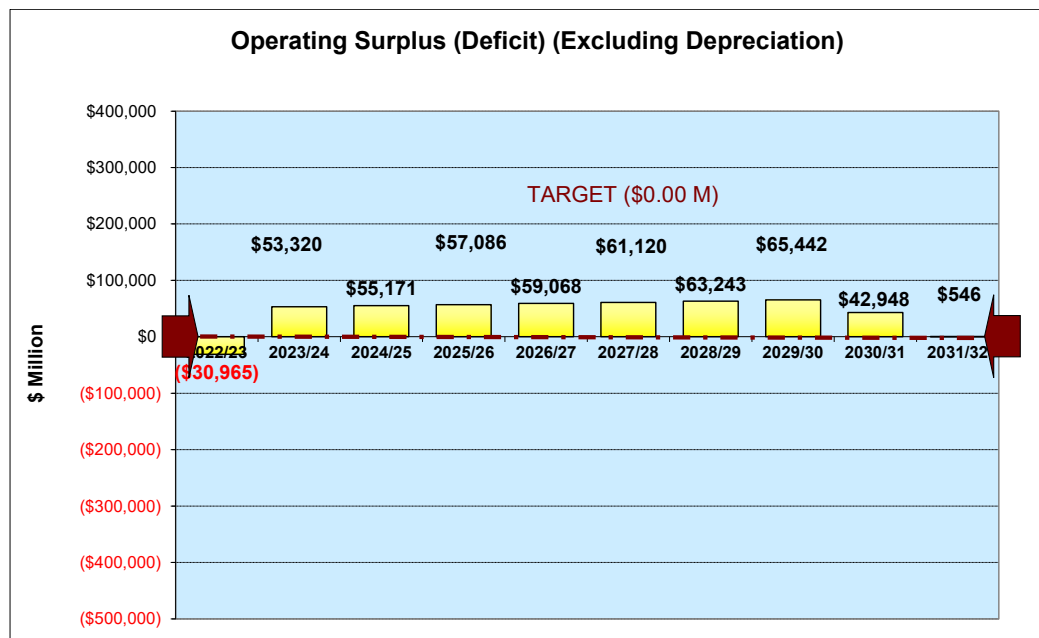
## Indicator 2 – Operating Surplus (Deficit) (Excluding Depreciation)

An operating surplus indicates the extent to which operating revenues are sufficient to meet all operating expenses including depreciation and consequently the extent to which the burden of expenses is being met by current ratepayers.

An operating deficit occurs when total operating expenses exceed total operating revenues.

The Board has elected to include this ratio to show the annual balance excluding depreciation based on GRFMA's long term policy of not funding depreciation of the dam.

*Calculated as: Operating surplus/ (deficit) before capital amounts (as shown on the Income Statement) less Depreciation Expense*



GRFMA's Long Term Financial Plan indicates through the graph above that it will operate on average over the term with an operating surplus (net of unfunded depreciation).

This means that GRFMA will have cash to repay loan borrowings and expenditure on renewal of existing assets.

### Indicator 3 - Operating Surplus (Deficit) Ratio

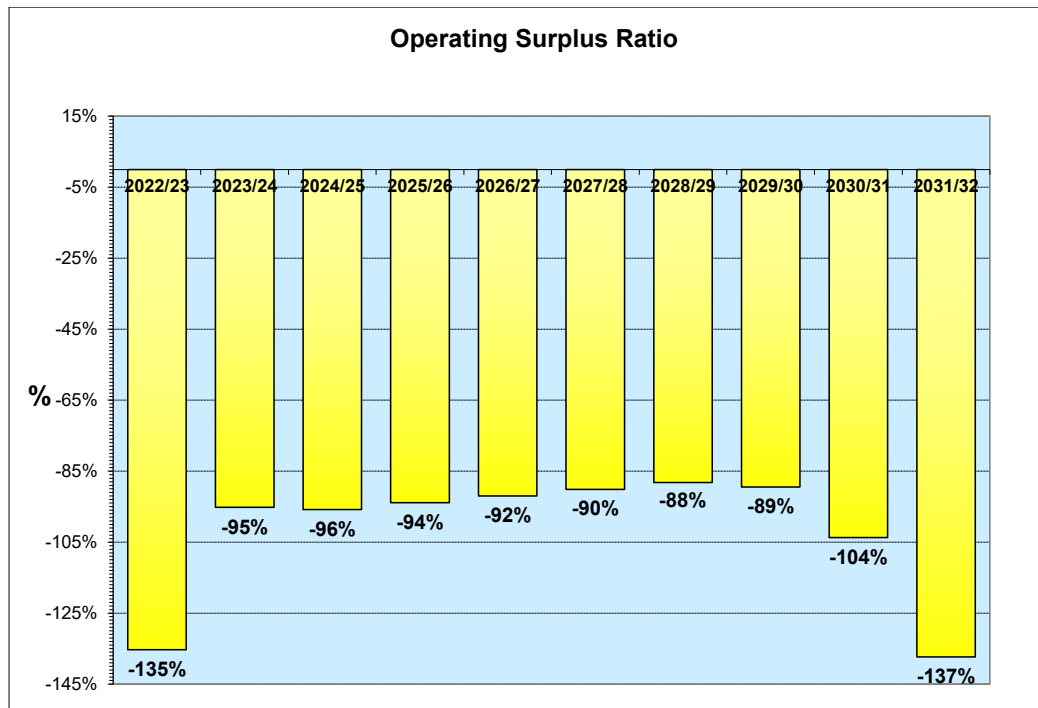
This ratio expresses the operating surplus (deficit) as a percentage of general revenue

A negative ratio indicates the percentage increase in total revenue required to achieve a breakeven operating result.

A positive ratio indicates the percentage of total revenue available to fund capital expenditure over and above the level of depreciation expense, without increasing GRFMA's level of net financial liabilities. If this amount is not required for capital expenditure it simply reduces the level of net financial liabilities.

*Calculated as; Operating surplus (as above) Divided by Operating Revenues*

GRFMA's target is to be at deficit position reflective of depreciation expense each year and balance of unspent maintenance funds.



#### Indicator 4 - Net Financial Liabilities

Net Financial Liabilities measure a GRFMA's total indebtedness.

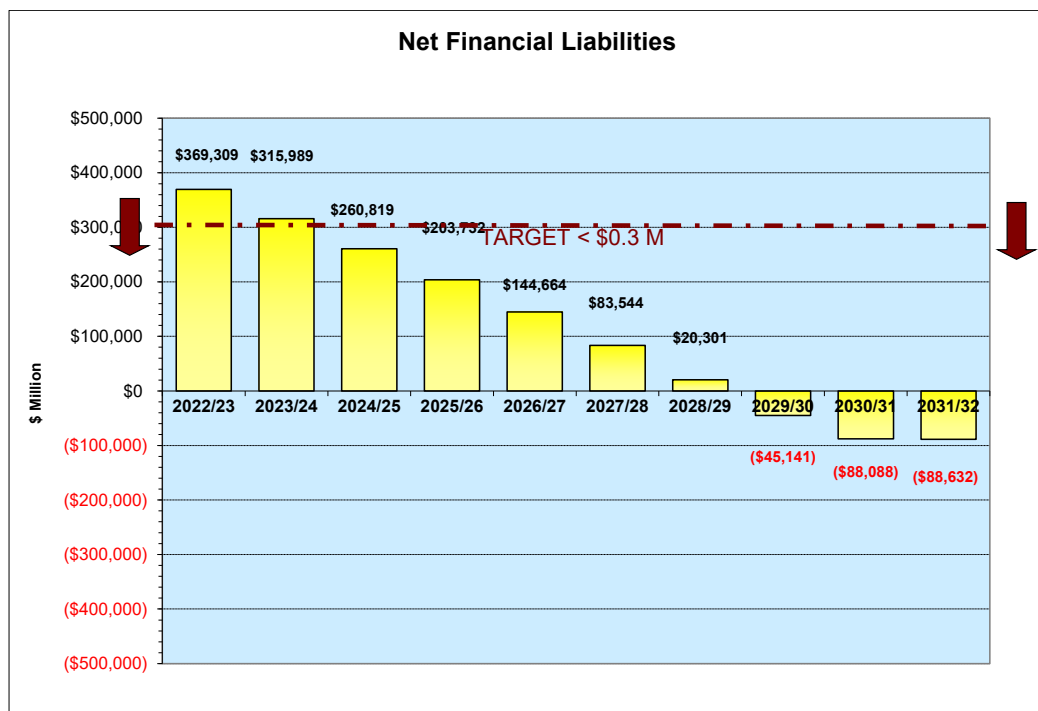
Net financial liabilities is a broader measure than net debt as it includes all of GRFMA's obligations.

The level of net financial liabilities increases when a net borrowing result occurs in a financial year and will result in a GRFMA incurring liabilities and/or reducing financial assets.

The level of net financial liabilities decreases when a net lending result occurs in a financial year and will result in a GRFMA purchasing financial assets and/or repaying liabilities.

*Calculated as: Total Liabilities (from Balance Sheet) Less Current cash and cash equivalents Current trade & other receivables Current other financial assets Noncurrent financial assets*

GRFMA's limit is 100% of total annual revenue.



Local Government sector proposed targets for this indicator suggest that GRFMA's Net Financial Liabilities should not exceed total operating revenue.

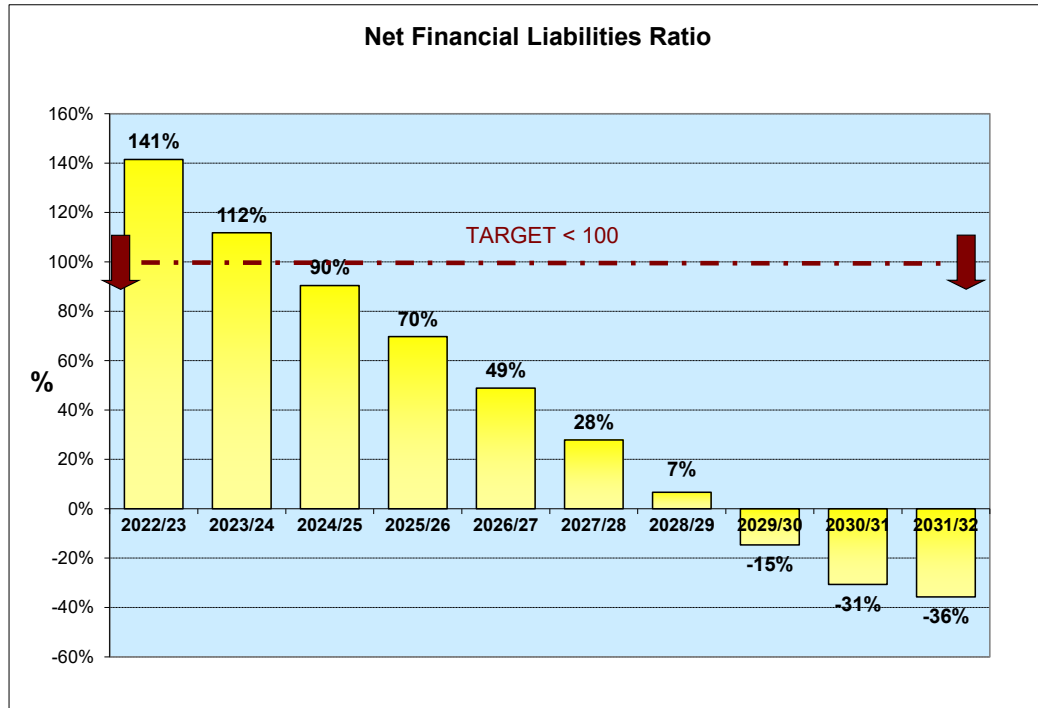
GRFMA does have outstanding loans (CAD) that will be repaid during the LTFP

### Indicator 5 - Net Financial Liabilities Ratio

This ratio indicates the extent to which net financial liabilities of the GRFMA can be met by the GRFMA's total operating revenue. Where the ratio is falling it indicates the GRFMA's capacity to meet its financial obligations from operating revenues is strengthening. Where the ratio is increasing it indicates a greater amount of GRFMA's operating revenues is required to service its financial obligations.

*Calculated as; Net financial liabilities (as above) Divided by Total operating revenues*

GRFMA's limit is 100%.



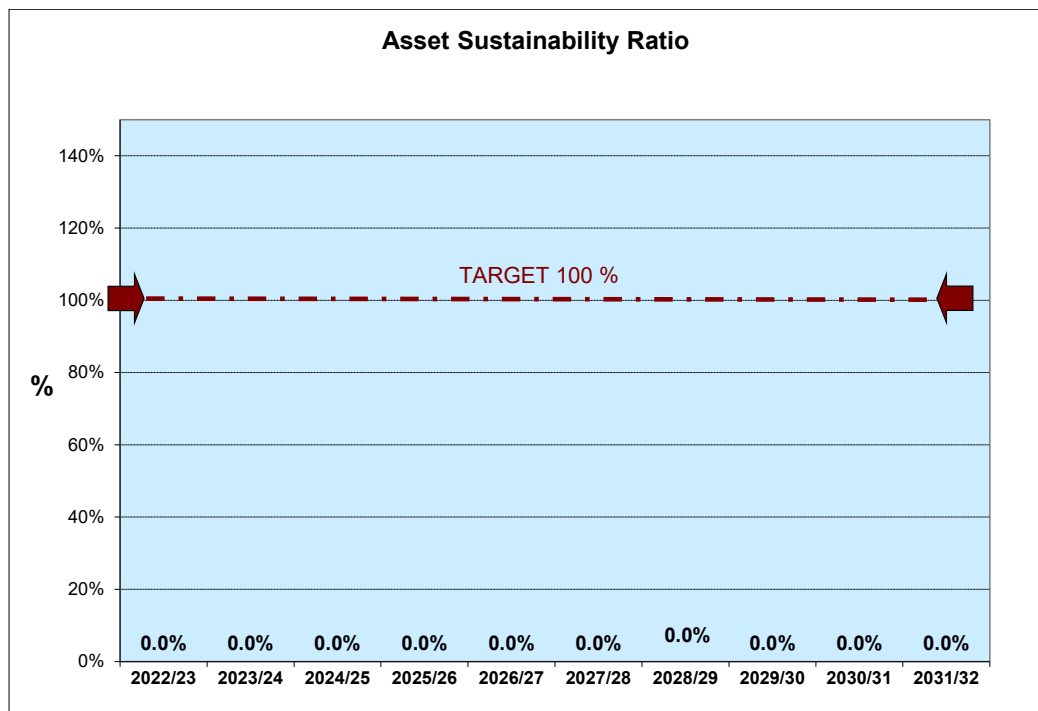
Local Government sector proposed targets for this indicator suggest that GRFMA's Net Financial liabilities should not exceed total operating revenue or 100%.

For the purpose of preparing the Plan a target of 100% has been adopted, GRFMA will be slightly above this for the first 1 year as a result of new borrowings.

### Indicator 6 - Asset Sustainability Ratio

This ratio indicates whether the GRFMA is renewing or replacing existing physical assets at the rate at which they are wearing out. On occasions, the GRFMA will accelerate or reduce asset expenditures over time to compensate for prior events, or invest in assets by spending more now so that it costs less in the future to maintain.

*Calculated as: Expenditure on renewal/replacement of assets (Cash Flow Statement) Less Sale of replaced assets (Cash Flow Statement) Divided by Proposed Expenditure per Asset Management Plan.*



Local Government sector proposed targets for this indicator suggest that GRFMA's should target a range of between 90% to 100% over any three year period.

The GRFMA has recently facilitated independent review of maintenance requirements to current assets vide *Bruce Eastick North Para Flood Mitigation Dam Maintenance Cost Analysis 26 July 2022*.

Annual asset maintenance costs of \$69,550 ( 1/10 year average) have been projected in the plan.

### **Significant Long Term Financial Plan Risks**

Whilst the Plan has included all ongoing commitments it primarily forecasts results based on existing activities. There is an inherent risk that circumstances may change in the future which may materially affect the projected financial estimates.

Typically, this might be unprecedented rainfall events and subsequent flooding occurrence.

<b>Gawler River Flood Management Authority</b>																
<b>Long Term Financial Plan Model</b>																
<b>ESTIMATED COMPREHENSIVE INCOME STATEMENT</b>																
<b>Year Ended 30 June:</b>	<b>Indexing Factor</b>		<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Actual</b>	<b>2022 Actual</b>	<b>2023 Plan</b>	<b>2024 Plan</b>	<b>2025 Plan</b>	<b>2026 Plan</b>	<b>2027 Plan</b>	<b>2028 Plan</b>	<b>2029 Plan</b>	<b>2030 Plan</b>	<b>2031 Plan</b>	<b>2032 Plan</b>
	* CPI Federal/RBA predictions LGPI 5yr average = 2.0%						<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>INCOME</b>																
Subscriptions	LGPI 5yr average	4% for years 2 & 3, 2.5% for the remainder	231,577	230,300	196,235	261,252	260,320	282,068	287,822	291,563	295,396	299,326	303,355	307,484	286,946	247,395
Grants, subsidies, contributions			0	98,980	20,000	70,518	0	0	0	0	0	0	0	0	0	0
Investment Income	0.5% on Closing Balance of Account	0.50%	1,718	1,042	1,009	1,132	631	419	422	424	427	430	432	435	438	440
Other Revenue			5,024	100	100	104	104	104	104	104	104	104	104	104	104	104
<b>Total Revenues</b>			<b>238,319</b>	<b>330,422</b>	<b>217,344</b>	<b>333,006</b>	<b>261,055</b>	<b>282,591</b>	<b>288,348</b>	<b>292,091</b>	<b>295,927</b>	<b>299,860</b>	<b>303,891</b>	<b>308,024</b>	<b>287,490</b>	<b>247,942</b>
<b>EXPENSES</b>																
Materials, contracts & other expenses	LGPI (5 yr average)	4% for years 2 & 3, 2.5% for the remainder	146,603	257,035	177,535	258,251	271,020	213,411	219,165	222,906	226,740	230,669	234,697	238,826	243,058	247,395
Depreciation		1.49%	233,081	321,163	321,163	322,298	322,298	322,298	331,353	331,353	331,353	331,353	331,353	341,042	341,042	341,042
Finance Costs			0	0	0	3,275	21,000	15,860	14,012	12,099	10,120	8,071	5,950	3,756	1,484	0
<b>Total Expenses</b>			<b>379,684</b>	<b>578,198</b>	<b>498,698</b>	<b>583,824</b>	<b>614,318</b>	<b>551,569</b>	<b>564,530</b>	<b>566,358</b>	<b>568,213</b>	<b>570,094</b>	<b>572,001</b>	<b>583,624</b>	<b>585,584</b>	<b>588,438</b>
<b>OPERATING SURPLUS/(DEFICIT) BEFORE CAPITAL AMOUNTS</b>																
Net gain/(loss) on disposal or revaluations			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amounts specifically for new assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>NET SURPLUS/(DEFICIT)</b>			<b>(141,365)</b>	<b>(247,776)</b>	<b>(281,354)</b>	<b>(250,818)</b>	<b>(353,263)</b>	<b>(268,978)</b>	<b>(276,183)</b>	<b>(274,267)</b>	<b>(272,285)</b>	<b>(270,234)</b>	<b>(268,110)</b>	<b>(275,600)</b>	<b>(298,095)</b>	<b>(340,496)</b>
<b>Other Comprehensive Income</b>																
Changes in revaluation surplus - IPP&E		1.40%	5,830,163	0	0	0	0	607,738	0	0	0	0	650,280	0	0	0
<b>Total Other Comprehensive Income</b>			<b>5,830,163</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>607,738</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>650,280</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL COMPREHENSIVE INCOME</b>			<b>5,688,798</b>	<b>(247,776)</b>	<b>(281,354)</b>	<b>(250,818)</b>	<b>(353,263)</b>	<b>338,760</b>	<b>(276,183)</b>	<b>(274,267)</b>	<b>(272,285)</b>	<b>(270,234)</b>	<b>382,170</b>	<b>(275,600)</b>	<b>(298,095)</b>	<b>(340,496)</b>



Gawler River Flood Management Authority																
Long Term Financial Plan Model																
ESTIMATED BALANCE SHEET																
Year Ended 30 June:			2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
			Actual	Actual	Actual	Actual	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan
							Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>ASSETS</b>																
<b>Current Assets</b>																
Cash & Equivalent Assets			66,902	151,764	169,344	126,130	83,827	84,350	84,875	85,404	85,935	86,469	87,005	87,544	88,086	88,630
Investments			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trade and Other Receivables			1,958	32,152	49,279	98,664	0	0	0	0	0	0	0	0	0	0
<b>Total Current Assets</b>			68,860	183,916	218,623	224,794	83,827	84,350	84,875	85,404	85,935	86,469	87,005	87,545	88,088	88,632
<b>Non-Current Assets</b>																
Land			477,000	477,000	477,000	477,000	477,000	477,000	477,000	477,000	477,000	477,000	477,000	477,000	477,000	477,000
Infrastructure, Property, Plant & Equipment			21,855,000	21,533,837	21,212,674	21,482,256	21,159,958	21,445,398	21,114,045	20,782,692	20,451,339	20,119,985	20,438,911	20,097,869	19,756,828	19,415,787
<b>Total Non-Current Assets</b>			22,332,000	22,010,837	21,689,674	21,959,256	21,636,958	21,922,398	21,591,045	21,259,692	20,928,339	20,596,985	20,915,911	20,574,869	20,233,828	19,892,787
<b>Total Assets</b>			<b>22,400,860</b>	<b>22,194,753</b>	<b>21,908,297</b>	<b>22,184,050</b>	<b>21,720,785</b>	<b>22,006,748</b>	<b>21,675,921</b>	<b>21,345,096</b>	<b>21,014,273</b>	<b>20,683,454</b>	<b>21,002,916</b>	<b>20,662,414</b>	<b>20,321,915</b>	<b>19,981,419</b>
<b>LIABILITIES</b>																
<b>Current Liabilities</b>																
Trade & Other Payables			0	41,669	36,567	61,003	0	0	0	0	0	0	0	0	0	0
Borrowings			0	0	0	49,000	52,797	54,645	56,558	58,537	60,586	62,707	64,902	42,404	0	0
Provisions			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Current Liabilities</b>			<b>0</b>	<b>41,669</b>	<b>36,567</b>	<b>110,003</b>	<b>52,797</b>	<b>54,645</b>	<b>56,558</b>	<b>58,537</b>	<b>60,586</b>	<b>62,707</b>	<b>64,902</b>	<b>42,404</b>	<b>0</b>	<b>0</b>
<b>Non-Current Liabilities</b>																
Borrowings			0	0	0	453,136	400,339	345,694	289,136	230,599	170,013	107,306	42,404	0	0	0
Provisions			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Non-Current Liabilities</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>453,136</b>	<b>400,339</b>	<b>345,694</b>	<b>289,136</b>	<b>230,599</b>	<b>170,013</b>	<b>107,306</b>	<b>42,404</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Liabilities</b>			<b>0</b>	<b>41,669</b>	<b>36,567</b>	<b>563,139</b>	<b>453,136</b>	<b>400,339</b>	<b>345,694</b>	<b>289,136</b>	<b>230,599</b>	<b>170,013</b>	<b>107,306</b>	<b>42,404</b>	<b>0</b>	<b>0</b>
<b>NET ASSETS</b>			<b>22,400,860</b>	<b>22,153,084</b>	<b>21,871,730</b>	<b>21,620,912</b>	<b>21,267,649</b>	<b>21,606,409</b>	<b>21,330,227</b>	<b>21,055,960</b>	<b>20,783,674</b>	<b>20,513,441</b>	<b>20,895,610</b>	<b>20,620,010</b>	<b>20,321,915</b>	<b>19,981,419</b>
<b>EQUITY</b>																
Accumulated Surplus			13,718,887	13,471,111	13,189,757	12,938,939	12,585,676	12,316,698	12,040,515	11,766,248	11,493,963	11,223,730	10,955,620	10,680,019	10,381,924	10,041,428
Asset Revaluation Reserve			8,681,973	8,681,973	8,681,973	8,681,973	8,681,973	9,289,711	9,289,711	9,289,711	9,289,711	9,289,711	9,939,991	9,939,991	9,939,991	9,939,991
Other Reserves			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL EQUITY</b>			<b>22,400,860</b>	<b>22,153,084</b>	<b>21,871,730</b>	<b>21,620,912</b>	<b>21,267,649</b>	<b>21,606,409</b>	<b>21,330,226</b>	<b>21,055,960</b>	<b>20,783,674</b>	<b>20,513,441</b>	<b>20,895,610</b>	<b>20,620,010</b>	<b>20,321,915</b>	<b>19,981,419</b>

Gawler River Flood Management Authority																
Long Term Financial Plan Model																
ESTIMATED STATEMENT OF CHANGES IN EQUITY																
Year Ended 30 June:			2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
			Actual	Actual	Actual	Actual	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan
							Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>ACCUMULATED SURPLUS</b>																
Balance at end of previous reporting period			13,860,252	13,718,887	13,471,111	13,189,757	12,938,939	12,585,676	12,316,698	12,040,515	11,766,248	11,493,963	11,223,730	10,955,620	10,680,019	10,381,924
Net Result for Year			(141,365)	(247,776)	(281,354)	(250,818)	(353,263)	(268,978)	(276,183)	(274,267)	(272,285)	(270,234)	(268,110)	(275,600)	(298,095)	(340,496)
Transfers to Other Reserves			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers from Other Reserves			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Balance at end of period</b>			<b>13,718,887</b>	<b>13,471,111</b>	<b>13,189,757</b>	<b>12,938,939</b>	<b>12,585,676</b>	<b>12,316,698</b>	<b>12,040,515</b>	<b>11,766,248</b>	<b>11,493,963</b>	<b>11,223,730</b>	<b>10,955,620</b>	<b>10,680,019</b>	<b>10,381,924</b>	<b>10,041,428</b>
<b>ASSET REVALUATION RESERVE</b>																
Land	11312		11,312	11,312	11,312	11,312	11,312	12,104	12,104	12,104	12,104	12,104	12,951	12,951	12,951	12,951
Dam	8671874		8,671,874	8,671,874	8,671,874	8,671,874	8,671,874	9,278,905	9,278,905	9,278,905	9,278,905	9,278,905	9,928,429	9,928,429	9,928,429	9,928,429
Access Roads	-1213		(1,213)	(1,213)	(1,213)	(1,213)	(1,213)	(1,298)	(1,298)	(1,298)	(1,298)	(1,298)	(1,389)	(1,389)	(1,389)	(1,389)
<b>Balance at end of period</b>	<b>8681973</b>		<b>8,681,973</b>	<b>8,681,973</b>	<b>8,681,973</b>	<b>8,681,973</b>	<b>8,681,973</b>	<b>9,289,711</b>	<b>9,289,711</b>	<b>9,289,711</b>	<b>9,289,711</b>	<b>9,289,711</b>	<b>9,939,991</b>	<b>9,939,991</b>	<b>9,939,991</b>	<b>9,939,991</b>
<b>OTHER RESERVES</b>																
Balance at end of previous reporting period			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers from Accumulated Surplus			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers to Accumulated Surplus			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Balance at end of period</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL EQUITY AT END OF REPORTING PERIOD</b>			<b>22,400,860</b>	<b>22,153,084</b>	<b>21,871,730</b>	<b>21,620,912</b>	<b>21,267,649</b>	<b>21,606,409</b>	<b>21,330,226</b>	<b>21,055,960</b>	<b>20,783,674</b>	<b>20,513,441</b>	<b>20,895,610</b>	<b>20,620,010</b>	<b>20,321,915</b>	<b>19,981,419</b>

Gawler River Flood Management Authority																
Long Term Financial Plan Model																
ESTIMATED CASH FLOW STATEMENT																
Year Ended 30 June:			2019	2020	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2032
			Actual	Actual	Actual	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan
						Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 10
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>																
Receipts																
Subscriptions			231,577	200,193	179,095	240,125	330,785	282,068	287,822	291,563	295,396	299,326	303,355	307,484	286,946	247,395
Grants, subsidies, contributions			0	98,980	20,000	42,318	28,200	0	0	0	0	0	0	0	0	0
Investment Income			1,800	1,055	1,023	1,073	631	419	422	424	427	430	432	435	438	440
Other Revenue			4,797	0	100	104	104	104	104	104	104	104	104	104	104	104
Payments																
Materials, contracts & other expenses			(146,602)	(215,367)	(182,638)	(233,816)	(332,023)	(213,411)	(219,165)	(222,906)	(226,740)	(230,669)	(234,697)	(238,826)	(243,058)	(247,395)
Finance Costs			0	0	0	(3,275)	(21,000)	(15,860)	(14,012)	(12,099)	(10,120)	(8,071)	(5,950)	(3,756)	(1,484)	0
<b>Net Cash provided by (or used in) Operating Activities</b>			<b>91,572</b>	<b>84,861</b>	<b>17,580</b>	<b>46,529</b>	<b>6,697</b>	<b>53,320</b>	<b>55,171</b>	<b>57,086</b>	<b>59,068</b>	<b>61,120</b>	<b>63,243</b>	<b>65,441</b>	<b>42,946</b>	<b>544</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>																
Receipts																
Amounts Specifically for New/Upgraded Assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sale of Renewed/Replaced Assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sale of Surplus Assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Payments																
Expenditure on Renewal/Replacement of Assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Expenditure on New/Upgraded Assets			(84,081)	0	0	(591,879)	0	0	0	0	0	0	0	0	0	0
Loans Made to Community Groups			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Net Cash Provided by (or used in) Investing Activities</b>			<b>(84,081)</b>	<b>0</b>	<b>0</b>	<b>(591,879)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>																
Receipts																
Proceeds from Borrowings			0	0	0	502,136	0	0	0	0	0	0	0	0	0	0
Payments																
Repayments of Borrowings			0	0	0	0	(49,000)	(52,797)	(54,645)	(56,558)	(58,537)	(60,586)	(62,707)	(64,902)	(42,404)	0
<b>Net Cash provided by (or used in) Financing Activities</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>502,136</b>	<b>(49,000)</b>	<b>(52,797)</b>	<b>(54,645)</b>	<b>(56,558)</b>	<b>(58,537)</b>	<b>(60,586)</b>	<b>(62,707)</b>	<b>(64,902)</b>	<b>(42,404)</b>	<b>0</b>
<b>Net Increase/(Decrease) in cash held</b>			<b>7,491</b>	<b>84,861</b>	<b>17,580</b>	<b>(43,214)</b>	<b>(42,303)</b>	<b>523</b>	<b>526</b>	<b>528</b>	<b>531</b>	<b>534</b>	<b>536</b>	<b>539</b>	<b>542</b>	<b>544</b>
<b>Opening cash, cash equivalents or (bank overdraft)</b>			<b>59,412</b>	<b>66,903</b>	<b>151,764</b>	<b>169,344</b>	<b>126,130</b>	<b>83,827</b>	<b>84,350</b>	<b>84,875</b>	<b>85,404</b>	<b>85,935</b>	<b>86,469</b>	<b>87,005</b>	<b>87,544</b>	<b>88,086</b>
<b>Closing cash, cash equivalents or (bank overdraft)</b>			<b>66,903</b>	<b>151,764</b>	<b>169,344</b>	<b>126,130</b>	<b>83,827</b>	<b>84,350</b>	<b>84,875</b>	<b>85,404</b>	<b>85,935</b>	<b>86,469</b>	<b>87,005</b>	<b>87,544</b>	<b>88,086</b>	<b>88,630</b>

Gawler River Flood Management Authority																
Long Term Financial Plan Model																
SUMMARY STATEMENT INCLUDING FINANCING TRANSACTIONS																
Year Ended 30 June:			2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
			Actual	Actual	Actual	Actual	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan
							Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Operating Revenues			238,319	330,422	217,344	333,006	261,055	282,591	288,348	292,091	295,927	299,860	303,891	308,024	287,490	247,942
less Operating Expenses			379,684	578,198	498,698	583,824	614,318	551,569	564,530	566,358	568,213	570,094	572,001	583,624	585,584	588,438
<b>Operating Surplus/(Deficit) before Capital Amounts</b>			<b>(141,365)</b>	<b>(247,776)</b>	<b>(281,354)</b>	<b>(250,818)</b>	<b>(353,263)</b>	<b>(268,978)</b>	<b>(276,183)</b>	<b>(274,267)</b>	<b>(272,285)</b>	<b>(270,234)</b>	<b>(268,110)</b>	<b>(275,600)</b>	<b>(298,095)</b>	<b>(340,496)</b>
<b>Less: Net Outlays on Existing Assets</b>																
Capital Expenditure on Renewal/Replacement of Existing Assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
less Depreciation, Amortisation & Impairment			233,081	321,163	321,163	322,298	322,298	322,298	331,353	331,353	331,353	331,353	331,353	341,042	341,042	341,042
less Proceeds from Sale of Replaced Assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
			<b>(233,081)</b>	<b>(321,163)</b>	<b>(321,163)</b>	<b>(322,298)</b>	<b>(322,298)</b>	<b>(322,298)</b>	<b>(331,353)</b>	<b>(331,353)</b>	<b>(331,353)</b>	<b>(331,353)</b>	<b>(331,353)</b>	<b>(341,042)</b>	<b>(341,042)</b>	<b>(341,042)</b>
<b>Less: Net Outlays on New and Upgraded Assets</b>																
Capital Expenditure on New/Upgraded Assets			84,081	0	0	591,879	0	0	0	0	0	0	0	0	0	0
less Amounts Specifically for New/Upgraded Assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
less Proceeds from Sale of Surplus Assets			0	0	0	0	0	0	0	0	0	0	0	0	0	0
			<b>84,081</b>	<b>0</b>	<b>0</b>	<b>591,879</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Net Lending / (Borrowing) for Financial Year</b>			<b>7,635</b>	<b>73,387</b>	<b>39,809</b>	<b>(520,399)</b>	<b>(30,965)</b>	<b>53,320</b>	<b>55,171</b>	<b>57,086</b>	<b>59,068</b>	<b>61,120</b>	<b>63,243</b>	<b>65,442</b>	<b>42,948</b>	<b>546</b>
In any one year, the above financing transactions are associated with either applying surplus funds stemming from a net lending result or accommodating the funding requirement stemming from a net borrowing result.																
Year Ended 30 June:			2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>FINANCING TRANSACTIONS</b>			Actual	Actual	Actual	Actual	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan
							Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
New Borrowings			0	0	0	502,136	0	0	0	0	0	0	0	0	0	0
Repayment of Principal on Borrowings			0	0	0	0	49,000	52,797	54,645	56,558	58,537	60,586	62,707	64,902	42,404	0
Increase/(Decrease) in Cash and Cash Equivalents			7,491	84,861	17,580	(43,214)	(42,303)	523	526	528	531	534	536	539	542	544
Increase/(Decrease) in Receivables			0	1	2	3	4	5	6	7	8	9	10	11	12	12
Increase/(Decrease) in Payables & Provisions			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other – Including the Movement in Inventories			0	1	2	3	4	5	6	7	8	9	10	11	12	12
<b>Financing Transactions</b>			<b>7,491</b>	<b>84,863</b>	<b>17,584</b>	<b>458,928</b>	<b>6,705</b>	<b>53,330</b>	<b>55,183</b>	<b>57,100</b>	<b>59,084</b>	<b>61,138</b>	<b>63,263</b>	<b>65,463</b>	<b>42,970</b>	<b>568</b>

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<b>Agenda Item:</b>	<b>8.5</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>Ownership and Responsibility for the Management of New Flood Monitoring Equipment</b>

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**Recommendation:**

**That the GRFMA notes the report.**

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This item is to allow discussion to establish relevant policy considerations regarding GRFMA ownership of flood monitoring /warning infrastructure.

The City of Playford and The Barossa Council have, by correspondence, requested that the Gawler River Floodplain Management Authority (GRFMA) consider taking ownership and responsibility for the management of new flood monitoring equipment within the Gawler River catchment.

The Department of Environment and Water (DEW) are progressing 4 “no regret” projects.

One project (project 3) will deliver upgraded flood warning infrastructure to support an improved flood forecasting and warning service for the Gawler River.

DEW are proposing installing flood monitoring, subject to landowner approval, equipment at Goldin Farms, the upstream end of the North Para and on the Tenafeate Creek, that contributes flows into the South Para.

The Goldin Farms location will improve flood monitoring for Nuriootpa and more generally improve flood forecasting and warning service in the North Para catchment.

The Tenafeate Creek site will help calibrate the flood warning model for the South Para catchment and improve the flood forecasting at South-East Gawler and Gawler West.

DEW have approached each Council to take ownership and ongoing responsibility for the maintenance and renewal of the flood monitoring equipment.

The City of Playford and The Barossa Council are of the view that the GRFMA should take ownership of the proposed flood monitoring equipment as it directly relates to the role of the GRFMA, being coordinating the planning, construction, operation, and maintenance of flood mitigation infrastructure for the Gawler River and that the flood monitoring will benefit multiple constituent Councils of the authority.

**Proposed Principles for Asset Ownership Council/GRFMA**

- The Gawler River flood warning infrastructure project 3 will fund all capital expenditure to establish the new (or substantially upgraded) sites.
- The project will ensure all necessary permits and agreements with landholders are in place.

- Where a water level gauge is proposed to be relocated to a more optimised site, the asset owner of the site at the original location will own the replacement site at the new location.
- Additional water level gauges will be owned by the Councils in which they are located. Councils can outsource the operation and maintenance to DEW or a third party.
- DEW will gift new assets to Councils and upgraded/replaced assets to the current asset owners.
- There are no leasing requirements.
- The project manager will liaise with asset owners about equipment to be installed and timing.
- The project can fund all 2022-2023 costs including any O&M for new sites.
- Infrastructure installed and operation and maintenance requirements will be informed by expertise from the Water Resource Monitoring Unit in DEW and the Flood Warning Infrastructure Standard.
- Agreement to own assets will be up to the end of the expected life of the asset, or up to review point for the flood warning infrastructure network for the Gawler River catchment, whichever is first.
- If an asset is prematurely damaged (for example due to vandalism, flood) the asset owner is responsible for replacement. However, Councils may be able to claim cost of asset replacement due to flood damage under the Local Government Disaster Recovery Assistance Arrangements.
- Data transfer infrastructure is included to ensure transfer to WaterData SA, FloodMon™ and other data sites as nominated by asset owner.

### **Proposed Governance Arrangements**

Based on the stakeholder feedback, it is proposed to develop a Strategic Network Oversight Partnership for the Gawler River flood warning infrastructure network.

A Strategic Network Oversight Partnership includes the following elements:

1. A protocol for notifications and consultation with partners about any changes to the flood warning infrastructure network.
2. Minimum requirements and defined roles and responsibilities for asset owners, including operation and maintenance specifications; and data and information management.
3. Planning and oversight where the required flood warning infrastructure network is periodically reviewed, and partners agree on improvements and optimisation of the flood warning infrastructure network.
4. All asset owners are partners. Additional input will be sought from end users in the periodic review.

Capital costs are estimated to be \$11,000 -13,000 per site, Full replacement cost including labor would be higher: \$15,000-20,000 per site.

Asset life:

- Infrastructure such as housing and cabinets – 20 years
- Instruments such as pressure sensors, data loggers, modems, and batteries – 5-10 years

Operating and maintenance costs based on WRMU are expected to be in the order of \$3,500 – \$5,500 per year, per site. This includes an annual gauging (medium to high flows) where conditions allow, a data management system that meets the security and metadata needs of the flood warning network objectives, a comprehensive maintenance schedule for all infrastructure installed and fault resolution within agreed times.

It excludes additional high flow gaugings or asset replacement following premature damage or end of life.

GRFMA resolution 21/99 (below) identifies previously determined policy regarding contributions to Project 3:

*That the GRFMA advises the State Government that the:*

- 1. GRFMA supports an in principle cash contribution to Project 3 'Flood Warning' on a proportional basis with other State Government agency beneficiaries (including design costs).*
- 2. Final cash contribution amount is to be based on an actual scope of works being provided (with cost estimate) to enable a fair and equitable funding split between all government agencies and GRFMA Councils.*
- 3. GRFMA supports in principle a cash contribution to Project 4 'Lower Gawler River No regrets' the extent of which will be informed by the actual scope and estimated cost of works.*
- 4. GRFMA allocates up to \$100,000 from current GRFMA reserve funds as its contribution to the design development of Projects 3 and 4.*
- 5. Actual cost share in relation to Project 4 between GRFMA Councils be on the basis of a contemporary funding model currently in development and under consideration.*
- 6. GRFMA will consult with Constituent Councils by the end of January 2022, on their position of an in principle support for a cash contribution for Projects 3 and 4.*

**CARRIED UNANIMOUSLY**

The GRFMA does not currently own or operate any flood monitoring infrastructure.

See attached for a copy of the correspondence and information background provided by DEW.



4 October 2022

Mr Ian Baldwin  
Chair  
Gawler River Floodplain Management Authority  
By email: [davidehitchcock@bigpond.com](mailto:davidehitchcock@bigpond.com)

Dear Mr Baldwin,

I write on behalf of the City of Playford and The Barossa Council requesting that the Gawler River Floodplain Management Authority (GRFMA) consider taking ownership and responsibility for the management of new flood monitoring equipment within the Gawler River catchment.

As you are aware, the Department of Environment and Water (DEW) are progressing 4 “no regret” projects. One project (project 3) will deliver upgraded flood warning infrastructure to support an improved flood forecasting and warning service for the Gawler River. DEW are proposing installing flood monitoring, subject to landowner approval, equipment at Goldin Farms, the up stream end of the North Para and on the Tenafeate Creek, that contributes flows into the South Para. The Goldin Farms location will improve flood monitoring for Nuriootpa and more generally improve flood forecasting and warning service in the North Para catchment. The Tenafeate Creek site will help calibrate the flood warning model for the South Para catchment and improve the flood forecasting at South-East Gawler and Gawler West.

DEW have approached each Council to take ownership and ongoing responsibility for the maintenance and renewal of the flood monitoring equipment. The City of Playford and The Barossa Council is of the view that the GRFMA should take ownership of the proposed flood monitoring equipment as it directly relates to the role of the GRFMA, being *coordinating the planning, construction, operation and maintenance of flood mitigation infrastructure for the Gawler River* and that the flood monitoring will benefit multiple constituent Councils of the authority.

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City of Playford

Call — 08 8256 0333  
[playford@playford.sa.gov.au](mailto:playford@playford.sa.gov.au)  
[playford.sa.gov.au](http://playford.sa.gov.au)

Post

12 Bishopstone Road  
Davoren Park SA 5113

Visit

Playford Civic Centre  
10 Playford Boulevard  
Elizabeth SA 5112

Stretton Centre  
307 Peachey Road  
Munno Para SA 5115



I have attached background information provided by DEW outlining the benefits of the proposed flood monitoring sites, governance arrangements, maintenance and associated ongoing costs. It should be noted that the upfront capital costs to install the sites will be born by DEW. We have received advice that DEW has the capacity to cover the running costs of the sites for the 2022-23 financial year.

Please contact me if you require any further information. I appreciate the GRMFA considering this matter.

Yours faithfully,



Sam Grieve  
Acting Senior Manager – City and Corporate Planning

08 8256 0582  
[sgrieve@playford.sa.gov.au](mailto:sgrieve@playford.sa.gov.au)



Ben Clark  
Director Works and Engineering Services  
08 8563 8470  
[bclark@barossa.sa.gov.au](mailto:bclark@barossa.sa.gov.au)

## Proposal for asset ownership of gauges in Gawler River catchment to improve flood forecasting and warning

### Introduction

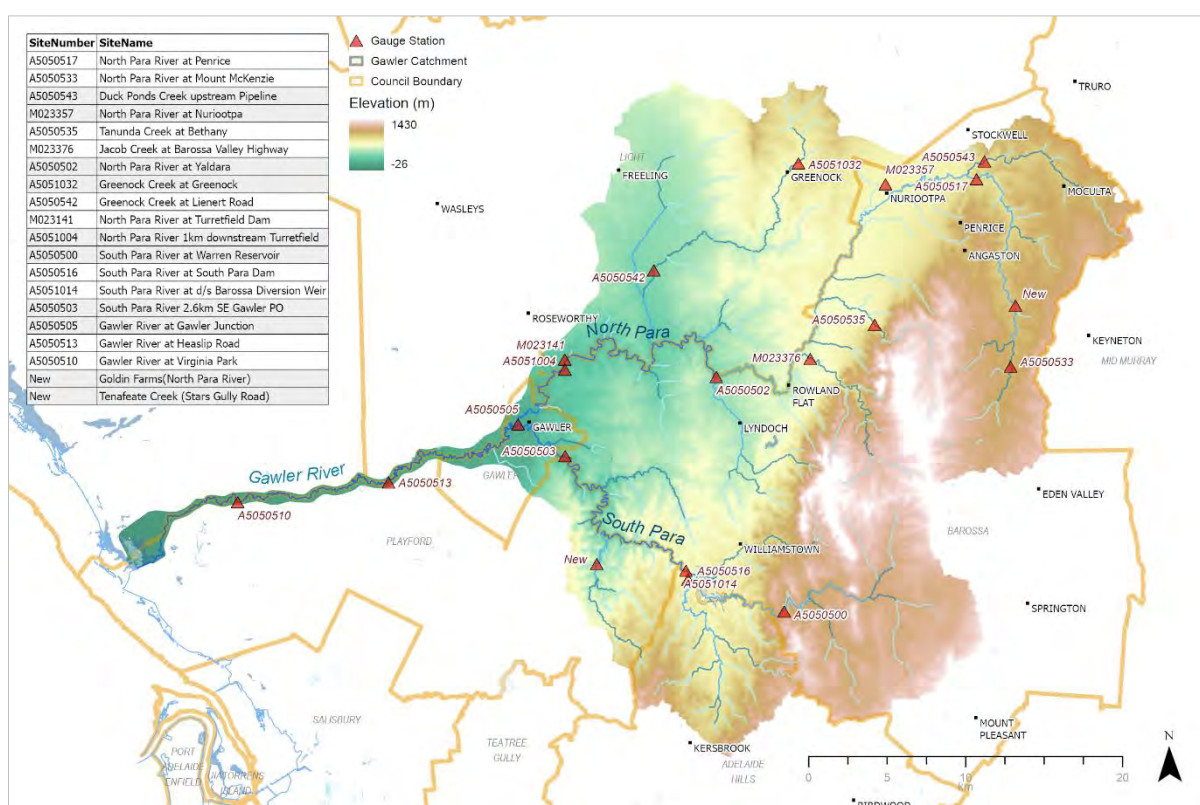
A flood forecasting and warning service requires flood warning infrastructure (both rainfall and streamflow monitoring sites) to enable floods to be predicted with confidence. Flood forecasting and warning also requires data transfer infrastructure (telemetry or other methods) and data capture and processing that allows reliable access to the data in close to real time.

The project to deliver upgraded flood warning infrastructure to support an improved flood forecasting and warning service for the Gawler River (project 3) will act as a pilot for more coordinated flood warning infrastructure management.

The optimisation report for the Gawler River flood warning infrastructure network was delivered by the Neilly group in December 2021. It provided recommendations on optimal site locations and site infrastructure, based on end user requirements for flood forecasting and warning in the Gawler River catchment.

### Proposed network

The proposed network shown in Figure 1 has been subsequently refined based on field visits and site assessments. Table 1 shows the details of the site with works description.



**Figure 1: Location of the proposed flood warning infrastructure**

**Table 1: Proposed flood warning infrastructure works**

Site ID	Sits and works
A5050533	North Para River @ Mount McKenzie (upgrade)
New	Goldin Farms (North Para River) (new site)
A5050517	North Para River @ Penrice (upgrade)
A5050543	Duck Ponds Creek @ u/s Pipeline (upgrade)
M023357	North Para River @ Nuriootpa (relocation and upgrade)
A5050535	Tanunda Creek @ Bethany (site maintenance)
M023376	Jacob Creek @ Barossa Valley Highway (upgrade)
A5050502	North Para River @ Yaldara (upgrade)
A5051032	Greenock Creek @ Greenock (verification)
A5050542	Greenock Creek @ Shea-Oak-Log (retain)
M023141	North Para River @ Turretfield Dam
A5051004	North Para River @ 1km d/s Turretfield Dam (retain/consolidate with 800m d/s of Turretfield Dam)
A5050500	South Para River @ Warren Reservoir (retain)
A5050516	South Para River @ South Para Reservoir (verification)
A5051014	South Para River @ d/s Barossa Diversion Weir (verification and data transfer)
New	Tenafeate Creek (Stars Gully Road) (new site)
A5050503	South Para River @ 2.6km SE Gawler PO (upgrade)
A5050505	Gawler River @ Gawler Junction ( <i>Gawler West</i> ) (relocation and upgrade)
A5050513	Gawler River @ Heaslip Road (relocation and verification)
A5050510	Gawler River @ Virginia Park (upgrade)

#### Value of additional gauges to the flood forecasting and warning service

The Bureau of Meteorology's flood prediction in the North Para catchment could be improved with additional monitoring at Goldin Farms, the upstream end of the North Para, and a station located between the Mt McKenzie and Penrice stations. The Goldin Farms site covers 75-80 km<sup>2</sup> of the catchment area of the upstream North Para River. The data from this gauge station would help to calibrate the flood model and provide more accurate forecasts for Nuriootpa.

The Goldin Farms site is proposed because:

- The existing concrete weir ("Weir No.2") at Goldin Farms could be utilised for flood monitoring for little expense – necessary site approvals likely straightforward given its existing structure
- Good all-weather access provided, although the weir is located on private property
- Existing weir (with 10m crest) could provide a reliable rating up to relatively high flows for this site, according to anecdotal information regarding the 2016 event
- No monitoring instrumentation currently installed, but likely to be straightforward if agreement made with property owners

Barossa Council noted that during the 2016 flood events, they were hesitant to rely upon BOM flood predictions for Nuriootpa, given the risks for inundation in that township, and the significant on-ground mitigation works that are undertaken by Barossa Council. The addition of the Goldin Farms

gauge and the upgrade and relocation of the gauge at Nuriootpa will together improve the flood forecasting and warning service in the North Para catchment.

It is understood that in recent flood events (specifically 2016), the prediction of flood levels in the township of Gawler was complicated without an accurate estimation of the contribution of flows from the South Para system. The monitoring of flows from key tributaries to the South Para, particularly Tenafeate Creek and/or Cockatoo Creek that both supply the South Para River between South Para Reservoir and station A5050503 (south-east of Gawler) would help to give further clarity to the flood response through the South Para.

Tenafeate Creek is the largest catchment of the two with around 35 km<sup>2</sup> catchment. Currently, we do not have a gauge to measure flow from this catchment. However, the flow data at this site helps to calibrate the flood warning model at South Para and improve the flood forecasting at South-East Gawler and Gawler West.

#### Proposed principles for asset ownership

- The Gawler River flood warning infrastructure project 3 will fund all capital expenditure to establish the new (or substantially upgraded) sites.
- The project will ensure all necessary permits and agreements with landholders are in place.
- Where a water level gauge is proposed to be relocated to a more optimised site, the asset owner of the site at the original location will own the replacement site at the new location.
- Additional water level gauges will be owned by the Councils in which they are located. Councils can outsource the operation and maintenance to DEW or a third party.
- DEW will gift new assets to councils and upgraded/replaced assets to the current asset owners. There are no leasing requirements.
- The project manager will liaise with asset owners about equipment to be installed and timing.
- The project can fund all 2022-2023 costs including any O&M for new sites
- Infrastructure installed and operation and maintenance requirements will be informed by expertise from the Water Resource Monitoring Unit in DEW and the Flood Warning Infrastructure Standard.
- Agreement to own assets will be up to the end of the expected life of the asset, or up to review point for the flood warning infrastructure network for the Gawler River catchment, whichever is first.
- If an asset is prematurely damaged (for example due to vandalism, flood) the asset owner is responsible for replacement. However Councils may be able to claim cost of asset replacement due to flood damage under the Local Government Disaster Recovery Assistance Arrangements.
- Data transfer infrastructure is included to ensure transfer to WaterData SA, FloodMon™ and other data sites as nominated by asset owner.

#### Proposed governance arrangements

Based on the stakeholder feedback, it is proposed to develop a Strategic Network Oversight Partnership for the Gawler River flood warning infrastructure network. A Strategic Network Oversight Partnership includes the following elements:

1. A protocol for notifications and consultation with partners about any changes to the flood warning infrastructure network.

2. Minimum requirements and defined roles and responsibilities for asset owners, including operation and maintenance specifications; and data and information management.
3. Planning and oversight where the required flood warning infrastructure network is periodically reviewed, and partners agree on improvements and optimisation of the flood warning infrastructure network.
4. All asset owners are partners. Additional input will be sought from end users in the periodic review.

#### Capital cost of new/upgraded sites

A detailed breakdown of infrastructure for each site is still being developed, but typically a flood warning site is proposed to include:

- Two water level sensors in the riverbed (to ensure redundancy and continuity of data feeds)
- Cabling
- Data logger/data transfer instrumentation (usually in a box on the riverbank)
- Power supply
- Safe access infrastructure as required (steps, handrail)

DEW have a standardized set of instrumentation and configuration that is able to be swapped out when required in a "plug and play" way, and many faults and issues are able to be diagnosed and even fixed remotely. It also allows for remotely managed increases in datafeeds during predicted high flow events.

Capital cost are estimates to be \$11000-13000 per site, Full replacement cost including labour would be higher: \$15000-20 000 per site.

#### **Asset life**

- Infrastructure such as housing and cabinets – 20 years
- Instruments such as pressure sensors, data loggers, modems and batteries – 5-10 years

#### **O&M Costs**

Operating and maintenance costs based on WRMU are expected to be in the order of \$3,500 – \$5,500 per year, per site. This includes an annual gauging (medium to high flows) where conditions allow, a data management system that meets the security and metadata needs of the flood warning network objectives, a comprehensive maintenance schedule for all infrastructure installed and fault resolution within agreed times.

It excludes additional high flow gaugings or asset replacement following premature damage or end of life.

O&M costs can vary between contractors, but all should meet the minimum requirements for Operation and Maintenance to be developed as part of the partnership agreement.

#### **Do other Councils own water monitoring gauges?**

City of Onkaparinga, City of Playford, City of Salisbury, City of Unley, City of Mitcham, City of Adelaide, Light Regional Council, Clare and Gilbert Valleys Council, Adelaide Plains Council and Wakefield regional Council all own water level gauges. Some are managed by WRMU, some by Water Data Services and some by the Bureau of Meteorology.

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<b>Agenda Item:</b>	<b>8.6</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>Disaster Relief Australia</b>

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**Recommendation:**

**That the GRFMA receives the report.**

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The GRFMA and the Department for Environment and Planning have been approached by Disaster Relief Australia (DRA) regarding options around a potential resilience activity to be conducted by DRA in the Gawler River Catchment.

Disaster Relief Australia (DRA) is a not-for profit organisation that unites the skills and experience of Australian Defence Force veterans with emergency services specialists to rapidly deploy disaster relief teams in Australia and around the world in the wake of disasters.

As a national capability, DRA are skilled in incident management, damage and impact assessments, aerial damage assessment and mapping, work order management, spontaneous volunteer and corporate volunteer management, debris management & restoring access, expedient home repair and resilience & capacity building.

A flagship capability that sits at the very heart of the organisations 'Relief and Recovery' operations is the DRA 'Operational Big Map' activity.

The purpose of the 'Operational Big Map' activity is to better understand the community complexities and develop a community risk profile based on the exposure within an all-hazard environment. Increasing knowledge and awareness of community vulnerabilities, strengthening capability and capacity to provide relief and recovery when required and tightening community bonds are all key milestones for DRA.

DRA are seeking engagement with GRFMA and DEW to participate with DRA to deliver an 'Operational Big Map' activity within the Gawler River Catchment.

The process results in a 15mtr by 15mtr on ground map which depicts the topography and various operational layers.

GRFMA Chair, Mr Ian Baldwin and Ms Katharine Ward (DEW, Project Manager Gawler River Flood Management) have been engaged in discussion with DRA.

At this time, it is proposed to facilitate a suitable 'Big Map' Operation in late February 2022.

Further details will be provided as discussions progress. More detail on the DRA 'Big Map' and 'Project Resilience' has been detailed in the following link:

<https://storymaps.arcgis.com/stories/34e6ef015a094d8d943f0a5665dd57c6>

**Agenda Item:** 8.7  
**Committee:** Board  
**Meeting Date:** 8 December 2022  
**Title:** Executive Officer Review – Interim

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**Recommendation:**

**That the GRFMA requests:**

- 1. The Chair, Mr I Baldwin, to facilitate an interim review of the Executive Officer service provision as per Consultancy Agreement (GRFMA Contract: 1/21).**
  - 2. A report on findings of the review be provided to the 16 February 2023 GRFMA meeting.**
- 

The GRFMA entered into a Consultancy Agreement (GRFMA Contract: 1/21) with incumbent Executive Officer, Mr David Hitchcock for two years commencing on 1 January 2022.

Service requirements of the contract are in accordance with the Executive Officer Service specification. See attached.

Contract completion is 31/12/2023.

As the contract will achieve 12 months progress on 1 January 2023, it is good governance to now undertake an interim review to measure services being provided with the service specification requirement.

The process also facilitates opportunities for discussion and relevant feedback between the contracted parties.

**Executive Officer Service specification**

<b>Executive Officer Service</b>	<b>To be measured by</b>
To establish and keep maintained the business office of the Authority and to inform the Board of its responsibilities to ensure compliance with its Charter and the Local Government Act and Regulations at all times.	Advice to all stakeholders the establishment of the business office of the Authority.
To prepare and review the Financial Framework Plans, Business Plan, Budgets and reports in a timely manner for consideration by the Board.	The presentation of the Financial Framework Plans, Business Plan, Budgets and Reports to the Board and reports to constituent Councils as required.
To liaise with Constituent Councils, Green Adelaide, Northern and Yorke Landscape Board, Stormwater Management Authority and relevant Agencies to foster the outcomes of the Business Plan	The number of issues unresolved between the Stakeholders to foster outcomes of the Business Plan
To attend all meetings of the Authority, and meetings of Committees, to prepare agendas in cooperation with the Chairperson and Constituent Councils, to prepare minutes of meetings and to attend to subsequent correspondence as required.	The timely preparation of Agendas, reports, minutes and correspondence.
Minimise the use of printed documents, copying and postage by the use of electronic communication and the distribution of documents electronically.	The general use of electronic agendas, minutes and consultation of draft reports.
In cooperation with the Stormwater Management Authority actively pursue funding to undertake the Gawler River Flood Mitigation Scheme.	Actions undertaken to pursue funding.
To facilitate the preparation and execution of documents necessary to deliver the outcomes of the Business Plan as approved by the Board	The execution of documents specified by the Board.
Other	



<b>Agenda Item:</b>	<b>8.8</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>GRFMA Chairperson Review</b>

**Recommendation:**

**That the GRFMA:**

- 1. Facilitates an interim review of the current GRFMA Chairpersons appointment in relation to.**
  - a. Quality of chair and leadership services provided.**
  - b. Strategy and vision objectives**
  - c. Adequacy of remuneration to the position (clause 4.4.5)**
- 2. Appoints the following persons to the review panel: (to be determined)**
  - I.**
  - II.**
  - III.**
- 3. Receives a report on the deliberation of the review panel at the 16 February 2023 GRFMA meeting.**

Clause 4.4 of the GRFMA Charter provides:

**4.4 Chairperson**

- 4.4.1** *A person who is neither an officer, employee or member of a Constituent Council will be appointed by the Constituent Councils as a Board Member and the Chairperson for a term of up to three years and on such other terms and conditions as determined by the Constituent Councils and who the Constituent Councils consider has expertise in one or more of the following areas:*
  - (a) environmental management.*
  - (b) corporate financial management.*
  - (c) general management.*
  - (d) public sector governance*
- 4.4.2** *In the event the Chairperson is absent or unable for whatever reason to act as Chairperson, the Board will elect a Board Member as the Acting Chairperson for the period the Chairperson is absent or unable to act as Chairperson.*
- 4.4.3** *The Chairperson is, at the expiry of his or her term of office, eligible for reappointment.*
- 4.4.4** *The Authority may at the expiry of the Chairperson's term of office as Chairperson appoint the Chairperson for a further term of up to three years and otherwise on the same terms and conditions as the Chairperson's original appointment.*
- 4.4.5** *The Authority may pay a sitting fee to the Chairperson in such amount as determined by the Authority.*
- 4.4.6** *The Chairperson will preside at all meetings of the Board and in the event the Chairperson is absent from a meeting, the Board must select a Board Member present to preside at that meeting only.*
- 4.4.7** *In the event there is a vacancy in the office of Chairperson, the Board will elect a Board Member to act as Chairperson for the balance of the original term or the appointment of a chairperson, whichever occur first*

At the 27/2/2020 Board meeting the following resolution was carried unanimously:

*That in recognition of quality chair and leadership services.*

- 1. Mr. Ian Baldwin be reappointed to the position of Chairperson for the Gawler River Floodplain Management Authority for a term of three years (28/2/2020- 1/3/2023).*
- 2. An honorarium/sitting fee of \$500 per GRFMA meeting and \$300 per Technical Assessment Panel and key stakeholder meetings requiring GRFMA Chairperson attendance be provided, with a maximum annual honorarium threshold of \$8,500.*
- 3. The annual honorarium be reviewed in 12 months' time.*

With pending conclusion (March 2023) of the current term for GRFMA Chairperson appointment, the GRFMA should now consider a process to exercise the provisions of GRFMA Charter clause 4.4.

It would also be good practice to undertake an in-term review of Mr Baldwin's services as Chairperson to assist with deliberations on the mandates of Clause 4.4.

Mr Baldwin has indicated his interest in renewing his term as Chairperson and is keen to see conclusion of current projects such as the Gawler River Stormwater Management Plan, Gawler River Flood Mitigation Business Case (DEW) and subsequent investment in and delivery of flood mitigation initiatives in the Gawler River environs.

<b>Agenda Item:</b>	<b>8.9</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>GRFMA Schedule of Meetings</b>

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**Recommendation:**

**That the Schedule of ordinary GRFMA meetings for 2023 be:**

- **Thursday 16 February 2023, Light Regional Council**
  - **Thursday 13 April 2023, Adelaide Hills Council**
  - **Thursday 15 June 2023, The Barossa Council**
  - **Thursday 17 August 2023, Town of Gawler**
  - **Thursday 19 October 2023, Adelaide Plains Council**
  - **Thursday 14 December 2023, City of Playford**
- 

Meetings of the Board are held at such time and such place as the Board decides subject only to the requirement that there will be at least one meeting in every two calendar months.

A special meeting of the Board may be held at any time and may be called at the request of the Chairperson or at the written request of six members of the Board representing all of the Constituent Councils.

Ordinary meetings of the Board are generally held bi-monthly on the third Thursday of the even months commencing at 9:45 am: excepting December which is held on the second Thursday,

Meetings are hosted by the Constituent Councils on a rotational roster during the year.

A meeting Schedule for 2023 should now be determined.

The table below indicates a proposed schedule.

**GRFMA 2023 Meeting Schedule**

<b>Day</b>	<b>Date</b>	<b>Council/location</b>
Thursday	16 February 2023	Light Regional council
Thursday	13 April 20223	Adelaide Hills Council
Thursday	15 June 2023	The Barossa Council
Thursday	17 August 2023	Town of Gawler
Thursday	19 October 2023	Adelaide Plains Council
Thursday	14 December 2023	City of Playford

<b>Agenda Item:</b>	<b>8.10</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>Financial Report and Budget Review 1</b>

**Recommendation:****That the GRFMA:**

1. **Receives the financial report as of 30 November 2022 showing a cash at bank balance of \$32,482.06**
2. **Notes internal cash lending for CAD offset is \$231,940.**
3. **Adopts the GRFMA 2022/2023 Budget Review 1 documents November 2022, and the variances contained as its amended and current budget for the period ended 30 June 2023.**

See attachments for the monthly reconciliations:

- ✧ Reconciliation to 30/11/2022.
- ✧ Balance Sheet 30/11/2022.
- ✧ Budget result to 30/11/2022.

Tabled below Executive Officer Activities report.

<b>Activity</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>
To keep maintained the business office of the Authority	23.5	7	11.75	8.25	13
To prepare the Business Plan, Budgets and reports in a timely manner	2				
To liaise with Councils, and Stakeholders to foster the outcomes of the Business Plan	17.5	16.75	7.5	9	15
To attend all meetings of the GRFMA, to prepare agendas, minutes and correspondence as required.	4	22.75	6.5	16	13
<b>TOTAL</b>	<b>47</b>	<b>46.5</b>	<b>25.75</b>	<b>33.25</b>	<b>41</b>

**Budget Review 1**

*Regulation 9 of Local Government (Financial Management) Regulations 2011 states:*

*'A report showing a revised forecast of its operating and capital investment activities for the relevant financial year compared with the estimates for those activities set out in the budget presented in a manner consistent with the note in the Model Financial Statements entitled Uniform Presentation of Finances'.*

Budget Review 1 (BR1)

BR1 contains movement in expenditure due to a small increase in insurance premiums and inclusion of commitment for up to \$80,000 cash contribution toward Project 4 Department for Environment and Water.

The financing of the \$80,000 is provided by cash reserves and will subsequently result in a reduction of cash at 30 June 2023.

**GB21/99 Gawler River Flood Mitigation, Department for Environment and Water (DEW)**

*That the GRFMA advises the State Government that the:*

- 1. GRFMA supports an in principle cash contribution to Project 3 'Flood Warning' on a proportional basis with other State Government agency beneficiaries (including design costs).*
- 2. Final cash contribution amount is to be based on an actual scope of works being provided (with cost estimate) to enable a fair and equitable funding split between all government agencies and GRFMA Councils.*
- 3. GRFMA supports in principle a cash contribution to Project 4 'Lower Gawler River No regrets' the extent of which will be informed by the actual scope and estimated cost of works.*
- 4. GRFMA allocates up to \$100,000 from current GRFMA reserve funds as its contribution to the design development of Projects 3 and 4.*
- 5. Actual cost share in relation to Project 4 between GRFMA Councils be on the basis of a contemporary funding model currently in development and under consideration.*
- 6. GRFMA will consult with Constituent Councils by the end of January 2022, on their position of an in principle support for a cash contribution for Projects 3 and 4.*

**CARRIED UNANIMOUSLY**

The balance of up to \$20,000, as per item 4, GB21/99, has not yet been included in BR1 estimates.

Further consideration for this will be undertaken in BR 2 or BR 3, pending the actual scope of works being identified by DEW and the balance of cash reserves available.

GRFMA Chair Mr Ian Baldwin has advised that commitment to the Gawler Business Case (DEW) Executive Committee process is now a monthly meeting. This will be additional to commitments included in the current budgeted amount (Honourarium-Chair) calculation.

This matter will also be further considered in BR2 or BR3 as there have been savings in honourarium costs associated with the GRFMA chair leave of absence June - September 2022.

BR1 Uniform Presentation of Finances provides a forecast net borrowing result of (\$31,100) for the period ended 30/6/2023.

Operating loss \$352,263 - \$321,163(depreciation added back) = \$31,100.

See attached BR1 as per the Local Government Uniform Presentation of Finances and separately BR1 in MYOB format.

The table below provides a summary of internal borrowing currently being utilised to offset Cash Advance Debenture interest costs.

GRFMA CAD and internal lending reconcillation									
Date	Internal Lending	Withdraw internal lending	Capital Repayment	Balance	Comment				
30/04/2022				554,562	Total payment to SGP Civil(ext GST)				
30/03/2022	52,426			502,136	CAD outstanding 30/6/22				
25/10/2022	79,514			422,622	24Hr Cash deposit paid into CAD(offset)				
1/11/2022	100,000			322,622	Cash at Bank paid into CAD(offset)				

**Reconciliation Report**

ID No.	Date Memo/Payee	Deposit	Withdrawal
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**Account:** 1-1110 Bank SA Account  
**Date Of Bank Statement:** 30/11/2022  
**Last Reconciled:** 31/10/2022  
**Last Reconciled Balance:** \$138,614.49

**Cleared Cheques**

EFT	1/11/2022	David Hitchcock	\$4,809.18
EFT	1/11/2022	Water Technology	\$1,100.00
EFT	1/11/2022	LGFA	\$100,000.00
EFT	2/11/2022	Ian Baldwin	\$800.00
SC301122	30/11/2022	Safe Deposit fee	\$5.00
GJ000120	30/11/2022	MYOB subs	\$60.00
Total:			\$0.00 \$106,774.18

Reconciliation:	AccountRight Balance On 30/11/2022:	\$31,840.31
	Add: Outstanding Cheques:	\$0.00
	SubTotal:	\$31,840.31
	Deduct: Outstanding Deposits:	\$0.00
	Expected Balance On Statement:	\$31,840.31



## Transaction History Report

Please advise any error or unauthorised transaction promptly to the bank

**Account name** GAWLER RIVER FLOODPLAIN MANAGEMENT  
**Account number** 010 0101 248 140  
**BSB** 105-010  
**Currency** AUD  
**Opening balance** 138,614.49CR  
**Transaction period from** 01/11/2022 to 29/11/2022

Date	Description	Serial number	Debit	Credit	Balance
02/11/2022	INTERNET WITHDRAWAL 02NOV11:30 Chivell Rd Playford rev		1,100.00 ✓		137,514.49CR
02/11/2022	INTERNET WITHDRAWAL 02NOV11:30 Cash to CAD offset		100,000.00 ✓		37,514.49CR
03/11/2022	INTERNET WITHDRAWAL 03NOV18:42 Chair Hon October 22		800.00 ✓		36,714.49CR
03/11/2022	INTERNET WITHDRAWAL 03NOV18:42 EO services Oct22		4,809.18 ✓		31,905.31CR
21/11/2022	SAFE DEPOSIT FEE (INC GST)		5.00 ✓		31,900.31CR
23/11/2022	MYOB Australia MYOB 1-84831379565		60.00		31,840.31CR
	TOTAL		106,774.18	0.00	31,840.31CR



**Balance Sheet**

As of November 2022

266 Seacombe Road  
Seacliff Park SA 5049ABN: 12 925 534 861  
Email: [davidehitchcock@bigpond.com](mailto:davidehitchcock@bigpond.com)**Assets****Current Assets****Bank Accounts**

Bank SA Account

\$31,840.31

LGFA Investment Account

\$641.75

**Total Bank Accounts**

\$32,482.06

**Other Current Assets**

Trade Debtors

\$58,359.85

Debtor

\$98.77

ATO Payments &amp; Refunds

\$7,555.74

Accrued Grant Income

\$28,200.00

**Total Other Current Assets**

\$94,214.36

**Total Current Assets**

\$126,696.42

**Non-Current Assets**

Infrastructure

\$25,836,878.99

Accum. Depr. Infrastructure

-\$4,418,822.61

Land

\$477,000.00

Access Roads

\$84,000.00

Accumulated Dep Access Rd

-\$19,800.00

**Total Non-Current Assets**

\$21,959,256.38

**Total Assets**

\$22,085,952.80

**Liabilities****Current Liabilities****GST Liabilities**

GST Collected

\$13,016.05

GST Paid

-\$4,801.68

Cash Advance Debenture

\$322,621.52

**Total GST Liabilities**

\$330,835.89

**Other Current Liabilities**

Accrued Expense

\$44,641.00

**Total Other Current Liabilities**

\$44,641.00

**Total Current Liabilities**

\$375,476.89

**Total Liabilities**

\$375,476.89

**Net Assets**

\$21,710,475.91

**Equity**

Accumulated Surplus

\$15,957,461.00

Asset Revaluation Reserves

\$8,681,973.10

Retained Earnings

-\$3,018,522.05

Current Year Surplus/Deficit

\$89,563.86

**Total Equity**

\$21,710,475.91

This report includes Year-End Adjustments.

**Profit & Loss [Budget Analysis]**

July 2022 To November 2022

**Selected Period Budgeted \$ Difference****Income**

Admin of GRFMA			
Member Subscriptions	\$82,560	\$82,560	\$0
Interest LGFA	\$1,159	\$250	\$909
<b>Total Admin of GRFMA</b>	<b>\$83,719</b>	<b>\$82,810</b>	<b>\$909</b>
Maint Flood Mit Scheme			
Council Subscriptions	\$47,601	\$47,600	\$1
<b>Total Maint Flood Mit Scheme</b>	<b>\$47,601</b>	<b>\$47,600</b>	<b>\$1</b>
<b>Total Income</b>	<b>\$131,319</b>	<b>\$130,410</b>	<b>\$909</b>
<b>Gross Profit</b>	<b>\$131,319</b>	<b>\$130,410</b>	<b>\$909</b>

**Expenses**

Admin of GRFMA			
Executive Officer Contract	\$19,369	\$23,500	-\$4,131
Adv, printing, stationery post	\$0	\$522	-\$522
Travelling Expenses	\$37	\$1,669	-\$1,632
Insurance PL & PI	\$3,535	\$3,500	\$35
Audit Committee	\$650	\$700	-\$50
Audit Fees	\$5,346	\$5,600	-\$254
Bank Fees	\$23	\$50	-\$27
Legal Fees	\$0	\$1,000	-\$1,000
Honorarium - Chairperson	\$2,000	\$3,625	-\$1,625
Other	\$1,164	\$2,544	-\$1,380
<b>Total Admin of GRFMA</b>	<b>\$32,123</b>	<b>\$42,710</b>	<b>-\$10,587</b>
Gawler River Scheme Mark 2			
Consultancies	\$4,794	\$37,000	-\$32,206
<b>Total Gawler River Scheme Mark 2</b>	<b>\$4,794</b>	<b>\$37,000</b>	<b>-\$32,206</b>
Maint Flood Mitigation Scheme			
Maintenance Contractors	\$0	\$10,000	-\$10,000
Rates & Levies	\$124	\$200	-\$76
<b>Total Maint Flood Mitigation Scheme</b>	<b>\$124</b>	<b>\$10,200</b>	<b>-\$10,076</b>
<b>Total Expenses</b>	<b>\$37,042</b>	<b>\$89,910</b>	<b>-\$52,868</b>
<b>Operating Profit</b>	<b>\$94,277</b>	<b>\$40,500</b>	<b>\$53,777</b>
<b>Total Other Income</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Other Expenses			
Interest Expense	\$4,713	\$29,400	-\$24,687
<b>Total Other Expenses</b>	<b>\$4,713</b>	<b>\$29,400</b>	<b>-\$24,687</b>
<b>Net Profit/(Loss)</b>	<b>\$89,564</b>	<b>\$11,100</b>	<b>\$78,464</b>

**Profit & Loss [Budget Analysis]**

July 2022 To June 2023

266 Seacombe Road  
Seacliff Park SA 5049ABN: 12 925 534 861  
Email: [davidehitchcock@bigpond.com](mailto:davidehitchcock@bigpond.com)

	Selected Period	Budgeted	\$ Difference
<b>Income</b>			
Admin of GRFMA			
Member Subscriptions	\$82,560	\$165,120	-\$82,560
Interest LGFA	\$1,159	\$600	\$559
Total Admin of GRFMA	\$83,719	\$165,720	-\$82,001
Maint Flood Mit Scheme			
Council Subscriptions	\$47,601	\$95,200	-\$47,600
Total Maint Flood Mit Scheme	\$47,601	\$95,200	-\$47,600
<b>Total Income</b>	<b>\$131,319</b>	<b>\$260,920</b>	<b>-\$129,601</b>
<b>Gross Profit</b>	<b>\$131,319</b>	<b>\$260,920</b>	<b>-\$129,601</b>
<b>Expenses</b>			
Admin of GRFMA			
Executive Officer Contract	\$19,369	\$56,400	-\$37,031
Adv, printing, stationery post	\$0	\$1,250	-\$1,250
Travelling Expenses	\$37	\$4,000	-\$3,963
Insurance PL & PI	\$3,535	\$7,000	-\$3,465
Audit Committee	\$650	\$2,650	-\$2,000
Audit Fees	\$5,346	\$5,600	-\$254
Bank Fees	\$23	\$120	-\$97
Legal Fees	\$0	\$2,000	-\$2,000
Honorarium - Chairperson	\$2,000	\$8,700	-\$6,700
Other	\$1,164	\$6,100	-\$4,936
Total Admin of GRFMA	\$32,123	\$93,820	-\$61,697
Gawler River Scheme Mark 2			
Consultancies	\$4,794	\$152,000	-\$147,206
Total Gawler River Scheme Mark 2	\$4,794	\$152,000	-\$147,206
Maint Flood Mitigation Scheme			
Maintenance Contractors	\$0	\$25,000	-\$25,000
Rates & Levies	\$124	\$200	-\$76
Total Maint Flood Mitigation Scheme	\$124	\$25,200	-\$25,076
Depreciation			
Depreciation	\$0	\$321,163	-\$321,163
<b>Total Expenses</b>	<b>\$37,042</b>	<b>\$592,183</b>	<b>-\$555,141</b>
<b>Operating Profit</b>	<b>\$94,277</b>	<b>-\$331,263</b>	<b>\$425,540</b>
<b>Total Other Income</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Other Expenses			
Interest Expense	\$4,713	\$70,000	-\$65,287
Total Other Expenses	\$4,713	\$70,000	-\$65,287
<b>Net Profit/(Loss)</b>	<b>\$89,564</b>	<b>-\$401,263</b>	<b>\$490,827</b>



**Reconciliation Report**266 Seacombe Road  
Seacliff Park SA 5049

ABN: 12 925 534 861

Email: [davidehitchcock@bigpond.com](mailto:davidehitchcock@bigpond.com)

ID No.	Date Memo/Payee	Deposit	Withdrawal
<b>Account: 1-1130 LGFA Investment Account</b>			
<b>Date Of Bank Statement: 30/11/2022</b>			
<b>Last Reconciled: 31/10/2022</b>			
<b>Last Reconciled Balance: \$641.75</b>			

**Cleared Deposits**

IE301122	30/11/2022 Interest	\$147.53	
Total:		\$147.53	\$0.00
Reconciliation:			
AccountRight Balance On 30/11/2022:		\$789.28	
Add: Outstanding Cheques:		\$0.00	
SubTotal:		\$789.28	
Deduct: Outstanding Deposits:		\$0.00	
Expected Balance On Statement:		\$789.28	

## Transaction Statement from 01/11/2022 to 29/11/2022 inclusive

### Council Deposits

Deal	Action Date	Transaction	Interest Rate	Amount	Balance
<b>Gawler River General</b>					
Council Dep - 24HR Mthly - 61057					
	01/11/2022	Opening Balance	2.80%		\$641.75
61057	01/11/2022	CAPITALISE INTEREST	2.80%	\$0.20	\$641.95
61057	01/11/2022	DEPOSIT	2.80%	\$147.33	\$789.28
	29/11/2022	Closing Balance	3.05%		\$789.28
Accrued Interest for Selected Period				\$1.98	
Unpaid Accrued Interest for Interest Period				\$1.98	
Gawler River General Total for Selected Period				\$1.98	
Gawler River General Total Unpaid for Interest Period				\$1.98	

### Summary

Council	Accrued Interest	Unpaid Accrued Interest
Gawler River General Total	\$1.98	\$1.98
<b>Grand Total</b>	<b>\$1.98</b>	<b>\$1.98</b>

## Local Government Finance Authority of SA

Consolidated Loans and Investments as at close of business 29/11/2022

### Debenture Loans

Counterparty	Deal	Deb. No.	Orig. Principal	Rate	Instalment Date	Instalment	Principal	Interest	Current Principal
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### Cash Advance Debentures

Counterparty	Deal	Instrument	Maturity Date	Facility End Date	Rate	Current Principal	Limit	Available Balance
Gawler River General CA 1 Cash Advance	60459	Council Loan-CAD Variable	30/11/2022	15/12/2031	4.80%	-\$322,621.52	\$700,000.00	\$377,378.48
Totals						-\$322,621.52	\$700,000.00	\$377,378.48

### Council Deposits

Counterparty	Deal	Instrument	Maturity Date	Rate	Balance
Gawler River General	61057	Council Dep - 24HR Mthly	30/11/2022	3.05%	\$789.28
Totals					\$789.28

Summary as at close of business 29/11/2022

Entity	Amount
Cash Advance Debentures	-\$322,621.52
CAD Limit Available	\$377,378.48
Council Deposits	\$789.28
<b>Net Position</b>	<b>-\$321,832.24</b>
Weighted Average Interest Rate % (Deposits)	3.05%
Weighted Average Interest Rate % (Loans)	4.80%

**GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY  
CONSOLIDATED BUDGET 2022/2023 REVIEW 1**

**STATEMENT OF COMPREHENSIVE INCOME**

<b>2021/2022 FULL YEAR ACTUALS \$'000</b>		<b>2022/2023 ADOPTED BUDGET</b>	<b>2022/2023 BUDGET REVIEW 1</b>
	<b>INCOME</b>		
261,256	Subscriptions	260,320	260,320
70,518	Grants Subsidies and Contributions	-	-
1,132	Investment Income	600	600
100	Other	-	-
333,006	<b>TOTAL REVENUES</b>	<b>260,920</b>	<b>260,920</b>
	<b>EXPENSES</b>		
258,251	Materials, Contracts and Other Expenses	190,920	271,020
3,275	Finance Costs	21,000	21,000
322,298	Depreciation, amortisation & impairment	321,163	321,163
583,824	<b>Total Expenses</b>	<b>533,083</b>	<b>613,183</b>
	<b>OPERATING SURPLUS/(DEFICIT) BEFORE CAPITAL AMOUNTS</b>	<b>(272,163)</b>	<b>(352,263)</b>
(250,818)			
-	Net gain (loss) on disposal or revaluation of assets	-	-
-	Amounts specifically for new or upgraded assets	-	-
-	Physical resources received free of charge	-	-
<b>(250,818)</b>	<b>TOTAL COMPREHENSIVE INCOME</b>	<b>(272,163)</b>	<b>(352,263)</b>

18/11/2022



**GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY  
CONSOLIDATED BUDGET 2022/2023 REVIEW 1**

**CASH FLOW STATEMENT**

<b>2021/2022 FULL YEAR ACTUALS</b>		<b>2022/2023 ADOPTED BUDGET</b>	<b>2022/2023 BUDGET REVIEW 1</b>
<b>\$</b>		<b>\$</b>	<b>\$</b>
Inflows		Inflows	Inflows
(Outflows)		(Outflows)	(Outflows)
	<b>CASHFLOWS FROM OPERATING ACTIVITIES</b>		
	<b>RECEIPTS</b>		
282,547	Operating Receipts	260,320	260,320
1,073	Investment Receipts	600	600
	<b>PAYMENTS</b>		
(237,090)	Operating payments to suppliers & employees	(190,920)	(271,020)
-	Finance Payments	(21,000)	(21,000)
46,529	<b>Net Cash provided by (or used in) Operating Activities</b>	49,000	(31,100)
	<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
	<b>RECEIPTS</b>		
-	Grants specifically for new or upgraded assets	-	-
0	Sale of Assets	0	0
	<b>PAYMENTS</b>		
(591,879)	Capital Expenditure on renewal/replacement of assets	-	-
-	Capital Expenditure on new/upgraded assets	-	-
(591,879)	<b>Net Cash provided by (or used in) Investing Activities</b>	-	-
	<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>		
	<b>RECEIPTS</b>		
502,136	Proceeds from Borrowings	-	-
	<b>PAYMENTS</b>		
-	Repayment of Borrowings	(49,000)	(49,000)
502,136	<b>NET CASH USED IN FINANCING ACTIVITIES</b>	(49,000)	(49,000)
(43,214)	<b>NET INCREASE (DECREASE) IN CASH HELD</b>	-	(80,100)
169,344	<b>CASH AT BEGINNING OF YEAR</b>	163,278	126,130
126,130	<b>CASH AT END OF YEAR</b>	163,278	46,030

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**GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY  
CONSOLIDATED BUDGET 2022/2023 REVIEW 1**

**BALANCE SHEET**

2021/2022 FULL YEAR ACTUALS		2022/2023 ADOPTED BUDGET	2022/2023 BUDGET REVIEW 1
	<b>ASSETS</b>		
\$	<b>CURRENT ASSETS</b>	\$	\$
126,130	Cash and cash equivalents	163,278	46,030
98,664	Trade & other receivables	-	98,664
-	Inventories	-	-
<u>224,795</u>	<b>TOTAL CURRENT ASSETS</b>	<u>163,278</u>	<u>144,695</u>
	<b>NON-CURRENT ASSETS</b>		
-	Financial Assets	-	-
21,959,256	Infrastructure, Property, Plant & Equipment	21,647,349	21,638,093
<u>21,959,256</u>	<b>TOTAL NON-CURRENT ASSETS</b>	<u>21,647,349</u>	<u>21,638,093</u>
<u>22,184,051</u>	<b>TOTAL ASSETS</b>	<u>21,810,627</u>	<u>21,782,788</u>
	<b>LIABILITIES</b>		
	<b>CURRENT LIABILITIES</b>		
61,003	Trade & Other Payables	-	61,003
502,136	Borrowings	-	502,136
-	Short-term Provisions	-	-
<u>563,139</u>	<b>TOTAL CURRENT LIABILITIES</b>	<u>-</u>	<u>563,139</u>
	<b>NON-CURRENT LIABILITIES</b>		
-	Long-term Borrowings	491,500	(49,000)
-	Long-term Provisions	-	-
<u>-</u>	<b>TOTAL NON-CURRENT LIABILITIES</b>	<u>491,500</u>	<u>(49,000)</u>
<u>563,139</u>	<b>TOTAL LIABILITIES</b>	<u>491,500</u>	<u>514,139</u>
<u>21,620,912</u>	<b>NET ASSETS</b>	<u>21,319,127</u>	<u>21,268,649</u>
	<b>EQUITY</b>		
12,938,939	Accumulated Surplus	12,637,154	12,586,676
8,681,973	Asset Revaluation	8,681,973	8,681,973
-	Other Reserves	-	-
<u>21,620,912</u>	<b>TOTAL EQUITY</b>	<u>21,319,127</u>	<u>21,268,649</u>

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**GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY  
CONSOLIDATED BUDGET 2022/2023 REVIEW 1**

**STATEMENT OF CHANGES IN EQUITY**

<b>2021/2022 FULL YEAR ACTUALS \$</b>		<b>2022/2023 ADOPTED BUDGET \$</b>	<b>2022/2023 BUDGET BUDGET \$</b>
	<b>ACCUMULATED SURPLUS</b>		
13,189,757	Balance at end of previous reporting period	12,909,317	12,938,939
-250,818	Net Result for Year	-272,163	-352,263
0	Transfer From Reserves	0	0
0	Transfer To Reserves	0	0
<u>12,938,939</u>	<b>BALANCE AT END OF PERIOD</b>	<u>12,637,154</u>	<u>12,586,676</u>
	<b>ASSET REVALUATION RESERVE</b>		
8,681,973	Balance at end of previous reporting period	8,681,973	8,681,973
0.00	Gain on revaluation of infrastructure, property, plant & equipment	0.00	0.00
0.00	Transfer to Accumulated Surplus on sale of infrastructure, property, plant & equipment	0.00	0.00
<u>8,681,973</u>	<b>BALANCE AT END OF PERIOD</b>	<u>8,681,973</u>	<u>8,681,973</u>
<u>21,620,912</u>	<b>TOTAL EQUITY AT END OF REPORTING PERIOD</b>	<u>21,319,127</u>	<u>21,268,649</u>

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**GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY  
CONSOLIDATED BUDGET 2022/2023 REVIEW 1**

**UNIFORM PRESENTATION OF FINANCES**

<b>2021/2022 FULL YEAR ACTUALS</b>		<b>2022/2023 ADOPTED BUDGET</b>	<b>2022/2023 ADOPTED BUDGET</b>
<b>\$</b>		<b>\$</b>	<b>\$</b>
333,006	Operating Revenues	260,920	260,920
(583,824)	less Operating Expenses	(533,083)	(613,183)
<u>(250,818)</u>	<b>Operating Surplus / (Deficit) before Capital Amounts</b>	<u>(272,163)</u>	<u>(352,263)</u>
	<b>Less Net Outlays in Existing Assets</b>		
	Capital Expenditure on renewal and replacement of Existing Assets	-	-
591,879	less Depreciation, Amortisation and Impairment	(321,163)	(321,163)
(322,298)	less Proceeds from Sale of Replaced Assets	-	-
<u>-</u>		<u>(321,163)</u>	<u>(321,163)</u>
269,581			
	<b>Less Net Outlays on New and Upgraded Assets</b>		
-	Capital Expenditure on New and Upgraded Assets	-	-
-	less Amounts received specifically for New and Upgraded Assets	-	-
<u>-</u>	less Proceeds from Sale of Surplus Assets	<u>-</u>	<u>-</u>
-		-	-
(520,399)	<b>Net Lending / (Borrowing) for Financial Year</b>	49,000	(31,100)

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**Profit & Loss [Budget Analysis]**266 Seacombe Road  
Seacliff Park SA 5049

July 2022 To June 2023

ABN: 12 925 534 861  
Email: [davidehitchcock@bigpond.com](mailto:davidehitchcock@bigpond.com)

	Selected Period	Budgeted	\$ Difference
<b>Income</b>			
Admin of GRFMA			
Member Subscriptions	\$82,560	\$165,120	-\$82,560
Interest LGFA	\$1,159	\$600	\$559
Total Admin of GRFMA	\$83,719	\$165,720	-\$82,001
Maint Flood Mit Scheme			
Council Subscriptions	\$47,601	\$95,200	-\$47,600
Total Maint Flood Mit Scheme	\$47,601	\$95,200	-\$47,600
<b>Total Income</b>	<b>\$131,319</b>	<b>\$260,920</b>	<b>-\$129,601</b>
<b>Gross Profit</b>	<b>\$131,319</b>	<b>\$260,920</b>	<b>-\$129,601</b>
<b>Expenses</b>			
Admin of GRFMA			
Executive Officer Contract	\$19,369	\$56,400	-\$37,031
Adv, printing, stationery post	\$0	\$1,250	-\$1,250
Travelling Expenses	\$37	\$4,000	-\$3,963
Insurance PL & PI	\$3,535	\$7,000	-\$3,465
Audit Committee	\$650	\$2,650	-\$2,000
Audit Fees	\$5,346	\$5,600	-\$254
Bank Fees	\$18	\$120	-\$102
Legal Fees	\$0	\$2,000	-\$2,000
Honorarium - Chairperson	\$2,000	\$8,700	-\$6,700
Other	\$1,109	\$6,100	-\$4,991
Total Admin of GRFMA	\$32,064	\$93,820	-\$61,756
Gawler River Scheme Mark 2			
Consultancies	\$4,794	\$152,000	-\$147,206
Total Gawler River Scheme Mark 2	\$4,794	\$152,000	-\$147,206
Maint Flood Mitigation Scheme			
Maintenance Contractors	\$0	\$25,000	-\$25,000
Rates & Levies	\$124	\$200	-\$76
Total Maint Flood Mitigation Scheme	\$124	\$25,200	-\$25,076
Depreciation			
Depreciation	\$0	\$321,163	-\$321,163
<b>Total Expenses</b>	<b>\$36,983</b>	<b>\$592,183</b>	<b>-\$555,200</b>
<b>Operating Profit</b>	<b>\$94,336</b>	<b>-\$331,263</b>	<b>\$425,599</b>
<b>Total Other Income</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Other Expenses			
Interest Expense	\$4,713	\$70,000	-\$65,287
Total Other Expenses	\$4,713	\$70,000	-\$65,287
<b>Net Profit/(Loss)</b>	<b>\$89,623</b>	<b>-\$401,263</b>	<b>\$490,886</b>

**Profit & Loss [Budget Analysis]**

July 2022 To November 2022

266 Seacombe Road  
Seacliff Park SA 5049ABN: 12 925 534 861  
Email: [davidehitchcock@bigpond.com](mailto:davidehitchcock@bigpond.com)

	Selected Period	Budgeted	\$ Difference
<b>Income</b>			
Admin of GRFMA			
Member Subscriptions	\$82,560	\$82,560	\$0
Interest LGFA	\$1,159	\$250	\$909
Total Admin of GRFMA	\$83,719	\$82,810	\$909
Maint Flood Mit Scheme			
Council Subscriptions	\$47,601	\$47,600	\$1
Total Maint Flood Mit Scheme	\$47,601	\$47,600	\$1
Total Income	\$131,319	\$130,410	\$909
Gross Profit	\$131,319	\$130,410	\$909
<b>Expenses</b>			
Admin of GRFMA			
Executive Officer Contract	\$19,369	\$23,500	-\$4,131
Adv, printing, stationery post	\$0	\$522	-\$522
Travelling Expenses	\$37	\$1,669	-\$1,632
Insurance PL & PI	\$3,535	\$3,500	\$35
Audit Committee	\$650	\$700	-\$50
Audit Fees	\$5,346	\$5,600	-\$254
Bank Fees	\$18	\$50	-\$32
Legal Fees	\$0	\$1,000	-\$1,000
Honorarium - Chairperson	\$2,000	\$3,625	-\$1,625
Other	\$1,109	\$2,544	-\$1,435
Total Admin of GRFMA	\$32,064	\$42,710	-\$10,646
Gawler River Scheme Mark 2			
Consultancies	\$4,794	\$37,000	-\$32,206
Total Gawler River Scheme Mark 2	\$4,794	\$37,000	-\$32,206
Maint Flood Mitigation Scheme			
Maintenance Contractors	\$0	\$10,000	-\$10,000
Rates & Levies	\$124	\$200	-\$76
Total Maint Flood Mitigation Scheme	\$124	\$10,200	-\$10,076
Total Expenses	\$36,983	\$89,910	-\$52,927
Operating Profit	\$94,336	\$40,500	\$53,836
Total Other Income	\$0	\$0	\$0
Other Expenses			
Interest Expense	\$4,713	\$29,400	-\$24,687
Total Other Expenses	\$4,713	\$29,400	-\$24,687
Net Profit/(Loss)	\$89,623	\$11,100	\$78,523



<b>Agenda Item:</b>	<b>8.11</b>
<b>Committee:</b>	<b>Board</b>
<b>Meeting Date:</b>	<b>8 December 2022</b>
<b>Title:</b>	<b>GRFMA Annual Business Plan Progress Report</b>

**Recommendation:**

**That the GRFMA receives the progress report of the GRFMA Business Plan 2022-2023.**

The table below provides an update on progress of achievements for the GRFMA Business Plan 2022 - 2023.

The report was received at the 28 November 2022 GRFMA Audit Committee meeting.

<b>Priority Actions</b>	<b>Status</b>
<b>Finalise preparation of the Gawler River Stormwater Management Plan (SMP).</b> The Gawler River Stormwater Management Plan will be the key document to assist in determining physical and other works required to reduce the risks and impacts of flooding.	In progress.  Completion of Draft document scheduled for end of November 2022.
<b>Review, with Constituent Councils and stakeholders, design standards for infrastructure works including costs and benefits.</b> The default policy position of the Authority has been for a 1 in 100 year design standard. Reviewing that policy position through consideration of the costs and benefits of various design standard scenarios will assist in identifying appropriate standards.	Not commenced.  Subject to completion of the SMP which will inform design standards required.
<b>In conjunction with the Constituent Councils, develop and implement a schedule of flood mitigation infrastructure works for the Gawler River referencing the Gawler River Stormwater Management Plan.</b> A schedule of works will enable the Authority and Constituent Councils to plan for implementation of the projects and seek funding from the State and Federal Governments.	Not commenced.  Subject to completion of the SMP which will inform design standards required.  The Gawler River Flood Mitigation Business Case findings will also identify appropriate requirements.

Priority Actions	Status
<p><b>Working with the Constituent Councils, develop a framework to clearly articulate the respective roles and responsibilities of the Authority and the Councils and suitable partnering arrangements to maintain a low cost base for the Authority.</b></p> <p>Identification of partnering opportunities within the capacities of the Councils (e.g., in relation to monitoring information about climate change and climate change policy, and water policy) in delivering the functions, operations and project management required of the Authority would help to keep the Authority's administrative costs low.</p>	<p>Not commenced</p> <p>Requires initial "collective" discussion with Constituent Council staff to establish an appropriate framework.</p>
<p><b>Continue to advocate for improved governance and funding arrangements for flood avoidance, resilience, and mitigation in South Australia</b></p> <p>With frontline experience the Authority is well positioned to develop a narrative about changes that are required to improve governance and funding arrangements for flood avoidance and mitigation.</p> <p>The Authority will continue to work with the Department for Environment and Water, in consultation with constituent councils, on implementation and funding arrangements for the State Government funded Gawler River Flood Mitigation Program.</p>	<p>In progress with clarification that completion of both the SMP and Business Case are the foundation documents that will inform advocacy approaches.</p>
<p><b>Assist the Constituent Councils in communicating with general communities and specific interest groups in relation to flood mitigation for the Gawler River.</b></p> <p>Communication with communities is likely to be a joint activity between the Constituent Councils and the Authority. This includes, subject to funding, implementation of the Gawler River Flood Disaster Mitigation Program, Community Flood Resilience Project Plan. The 3 year program seeks to provide information, tools, and assistance for the community to learn about flood risk, be aware of what they can do, know how to receive flood warnings, and be prepared to act in the event of a flood.</p>	<p>The funding application for this project was unsuccessful.</p> <p>Next steps will be further informed from completion of the Business Case.</p>
<p><b>Implement the agreed outcomes from Charter Review 2 which was finalised in 2020.</b></p> <p>The second stage of reviewing the Authority's Charter was completed late in 2020. Implementation of agreed outcomes from the review will finalise that process.</p>	<p>The Charter Review 2 in effect does not require amendment of the existing Charter.</p> <p>Constituent Council agreement has not yet been finalised in relation to the funding model adoption, for capital infrastructure projects in excess of \$1 Million.</p>



Priority Actions	Status
<p><b>Develop fit for purpose risk management, asset management, and long term financial plans.</b> The Charter requires these plans to be prepared and adopted. All three Plans will assist the Board in decision making and show that risk, asset management, and long term financial planning are being addressed.</p>	Completed
<p><b>Maintenance and operations of the scheme during 2022 to 2023 will include:</b></p> <ul style="list-style-type: none"> <li>➤ Implementation of requirements of the reviewed Operation and Maintenance Manual.</li> <li>➤ Continuation of the revegetation program around land associated with the Bruce Eastick North Para Flood Mitigation Dam.</li> <li>➤ Scheduled inspections and environmental management of land associated with the Dam location will be undertaken in accordance with ANCOLD recommendations. Principality Routine (monthly), Intermediate (annually), Comprehensive (every 5 years due 2022/2023).</li> <li>➤ Completion of identified repairs to the Bruce Eastick North Para Flood Mitigation Dam.</li> </ul>	<p>Ongoing.</p> <p>Vegetation stock has been ordered for 2022/2023.</p> <p>Ongoing.</p> <p>Completed.</p>