

**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 Audit Committee has been called for:

**DATE: Monday 8 August 2022**

**TIME: 1pm**

**PLACE: 214 Melbourne Street, North Adelaide  
Dean Newbery and Partners**

**(Parking - Limited 2-3 at the premises otherwise on Melbourne Street or New Street)**



David E Hitchcock

**EXECUTIVE OFFICER**



*The Barossa Council*

**Gawler**



## **AGENDA**

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

**1pm Monday 8 August 2022**

**214 Melbourne Street, North Adelaide  
Dean Newbery and Partners**

**1. Present**

**2. Apologies**

**3. Minutes of the Previous Meeting**

Confirmation of the minutes of the previous GRFMA Audit Committee meeting held on Wednesday 1 June 2022.....Page 3

**4. Business Arising from the Minutes**

**5. General Business**

- 5.1 GRFMA 2021/2022 Financial Statements and Audit Report.....Page 7**
- 5.2 GRFMA Annual Report.....Page 24**
- 5.3 GRFMA Long Term Financial Plan.....Page 40**
- 5.4 GRFMA Risk Insurances.....Page 73**

**6. Next Meeting**

December 2022

**7. Closure**

**Agenda Item:**                   **3.**  
**Committee:**                   **GRFMA Audit Committee**  
**Meeting Date:**               **8 August 2022**  
**Title:**                         **Minutes of the Previous Meeting**

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**Recommendation:**

**That the minutes of the previous GRFMA Audit Committee meeting held on Wednesday 1 June 2022 as per copies supplied to members be adopted as a true and correct record of that meeting.**

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Please see attached minutes.

## MINUTES

### GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY AUDIT COMMITTEE MEETING

12:30pm Wednesday 1 June 2022

LGA House, 148 Frome Street, Adelaide

#### 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 – 7 February 2022

**GAC 22/06**      **Previous Minutes – GRFMA Audit Committee 7 February 2022**  
**Moved:**        **Cr M Herrmann**  
**Seconded:**    **Mr G Pattinson**

*That the minutes of the previous GRFMA Audit Committee meeting held on Monday 7 February 2022 as amended be adopted as a true and correct record of that meeting.*

**CARRIED UNANIMOUSLY**

The amendment is to change the schedule of meetings table to indicate attendance of the external auditor at the August 2022 meeting.

#### 4. Business Arising from the Minutes

Nil

#### 5. General Business

##### 5.1 GRFMA Long Term Financial Plan and Asset Management Plans

**GAC 22/07**      **GRFMA Long Term Financial Plan and Asset Management Plans**  
**Moved:**        **Cr M Herrmann**  
**Seconded:**    **Mr G Pattinson**

*That the Audit Committee:*

1. *Receives the report.*
2. *Notes the draft GRFMA Long Term Financial Plan and Asset Management Plans have been initiated in accordance with requirement of the GRFMA Charter.*
3. *Notes the documents provide a firm basis for consideration and requests the Executive Officer table the documents to the 16 June 2022 GRFMA meeting, including Audit Committee comments in relation to:*

- *Adjustments be made to projected CPI values reflective of current economic scenarios.*
- *Inclusion of an additional financial ratio to indicate the net annual cash result, as depreciation is not funded.*
- *A (minimum) ten year Dam repair program be independently sourced to facilitate inclusion of considered costs in the Long Term Financial Plan and Asset Management Plan.*
- *Consideration for minimising annual subscription fluctuations by averaging maintenance costs over the proposed 10 year costed program.*

**CARRIED UNANIMOUSLY**

## **5.2 Achievements Against the Annual Business Plan**

**GAC 22/07      Achievements Against the Annual Business Plan**  
**Moved:        Mr G Pattinson**  
**Seconded:     Cr M Herrmann**

*That the Audit Committee:*

1. *Notes the report; and*
2. *Requests the Executive Officer provide the document as amended to the 16 June 2022 GRFMA meeting for consideration.*

**CARRIED UNANIMOUSLY**

Members requested formatting adjustments in the achievements column to align with Key Performance Indicators and inclusion of an item indicating that the Charter Review 2 has not been finalised.

## **5.3 GRFMA 2021/2022 Budget Review 3**

**GAC22/08      GRFMA Budget Review 3**  
**Moved:        Mr G Pattinson**  
**Seconded:     Cr M Herrmann**

*That the GRFMA Audit Committee:*

1. *Notes changes proposed for Budget Review 3.*
2. *Recommends the document be presented to the GRFMA for consideration and adoption.*

**CARRIED UNANIMOUSLY**

Members noted pending Local Government elections and considerations how caretaker provisions might affect operations.

## **6. Other Business**

Nil

## **7. Next Meeting**

Next meeting in August 2022 to include discussion with the external auditor on the annual audit report. Support for meeting to be held at Dean Newbery offices.

<b>Date</b>	<b>Audit Committee meeting schedule 2022/2023</b>	<b>Action</b>
March 2022	Annual Budget and Business Plan Review; External Audit Plan and Schedule 2022.	Completed 7/2/22
June 2022	Annual cost estimates and budget variations consideration.	Completed 1/6/22
August 2022	Annual Financial Statements – Audit report; 2021/2022 – Auditor to attend.	
November 2022	Operation of the Regional Subsidiary – Business Plan progress. Annual cost estimates and budget variations consideration.	

## 7. Closure

The Chair thanked the members for their attendance and closed the meeting at 1:30pm.

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

<b>Agenda Item:</b>	<b>5.1</b>
<b>Committee:</b>	<b>GRFMA Audit Committee</b>
<b>Meeting Date:</b>	<b>8 August 2022</b>
<b>Title:</b>	<b>GRFMA 2021/2022 Financial Statements and Audit Report</b>

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**Recommendation:**

**That the GRFMA Audit Committee:**

- 1. Receives and notes the audited Financial Statements for 2021/2022 and the external audit completion report.**
  - 2. Recommends that the 'Certification of Auditor Independence' be signed by the Audit Committee Chair and Executive Officer.**
  - 3. Recommends that a 'Certification of Auditor Independence' also be signed by the Chief Executive Officer of each Constituent Council.**
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External Auditors, Dean Newbery and Partners have undertaken the 2021/2022 audit of the financial report of the GRFMA.

Attached are:

1. Copies of the audited GRFMA Financial Statements 2021/2022
2. Statement of Auditor's Independence
3. GRFMA Management Representation Letter (provided under separate cover)

At time of writing the Audit Completion Report was still being finalised by Dean Newbery and Partners.

The report will be provided as a late report, when received, which provides:

- a) Advice of work undertaken in completing the report
- b) Consideration of future legislative requirements and issues
- c) The draft copy of Audit Opinion.

Ms. Whitney Sandow of Dean Newbery and Partners will be attending the meeting to talk to the Audit Completion Report.

# GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY

## STATEMENT OF COMPREHENSIVE INCOME for the year ended 30 June 2022

	Notes	2022 \$	2021 \$
<b>INCOME</b>			
Subscriptions	4	261,256	196,235
Investment income	1(d)	1,132	1,009
State Government Grants	3	70,518	20,000
Other Income		100	100
<b>Total Income</b>		<b>333,006</b>	<b>217,344</b>
<b>EXPENSES</b>			
Contractual Services	5	236,420	156,177
Finance Charges		3,275	-
Depreciation	1(h), 11	322,298	321,163
Other		21,831	21,359
<b>Total Expenses</b>		<b>583,824</b>	<b>498,698</b>
<b>OPERATING SURPLUS / (DEFICIT)</b>		<b>(250,818)</b>	<b>(281,354)</b>
<b>NET SURPLUS / (DEFICIT)</b>		<b>(250,818)</b>	<b>(281,354)</b>
transferred to Equity Statement			
<b>Other Comprehensive Income</b>			
<i>Amounts which will not be reclassified subsequently to operating result</i>			
Changes in revaluation surplus - infrastructure, property, plant & equipment		-	-
<b>Total Other Comprehensive Income</b>		<b>-</b>	<b>-</b>
<b>TOTAL COMPREHENSIVE INCOME</b>		<b>(250,818)</b>	<b>(281,354)</b>

This Statement is to be read in conjunction with the attached Notes.



# GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY

## STATEMENT OF FINANCIAL POSITION

as at 30 June 2022

	Notes	2022 \$	2021 \$
<b>ASSETS</b>			
<b>Current Assets</b>			
Cash and cash equivalents	1(d)	126,130	169,344
Trade and Other Receivables		98,664	49,278
<b>Total Current Assets</b>		<u>224,794</u>	<u>218,622</u>
<b>Non-current Assets</b>			
Infrastructure	10	25,920,879	25,329,000
Accumulated Depreciation Infrastructure	1(h), 10	(4,438,623)	(4,116,325)
Land	10	477,000	477,000
<b>Total Non-current Assets</b>		<u>21,959,256</u>	<u>21,689,675</u>
<b>Total Assets</b>		<u>22,184,050</u>	<u>21,908,297</u>
<b>LIABILITIES</b>			
<b>Current Liabilities</b>			
Trade & other payables		61,003	36,567
Borrowings		49,000	-
<b>Total Current Liabilities</b>		<u>110,003</u>	<u>36,567</u>
<b>Non-current Liabilities</b>			
Borrowings	8	453,136	-
<b>Total Non-current Liabilities</b>		<u>453,136</u>	<u>-</u>
<b>Total Liabilities</b>		<u>563,139</u>	<u>36,567</u>
<b>NET ASSETS</b>		<u>21,620,912</u>	<u>21,871,730</u>
<b>EQUITY</b>			
Accumulated Surplus		12,938,939	13,189,757
Asset Revaluation Reserves	1(g)	8,681,973	8,681,973
<b>TOTAL EQUITY</b>		<u>21,620,912</u>	<u>21,871,730</u>

This Statement is to be read in conjunction with the attached Notes.

# GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY

## STATEMENT OF CHANGES IN EQUITY

for the year ended 30 June 2022

	Notes	Accumulated Surplus \$	Asset Revaluation Reserve \$	TOTAL EQUITY \$
<b>2022</b>				
Balance at end of previous reporting period		13,189,757	8,681,973	21,871,730
Restated opening balance		13,189,757	8,681,973	21,871,730
<b>Net Surplus / (Deficit) for Year</b>		(250,818)	-	(250,818)
<b>Other Comprehensive Income</b>				
Gain on revaluation of infrastructure, property, plant & equipment		-	-	-
<b>Balance at end of period</b>		<b>12,938,939</b>	<b>8,681,973</b>	<b>21,620,912</b>
<b>2021</b>				
Balance at end of previous reporting period		13,471,111	8,681,973	22,153,084
Restated opening balance		13,471,111	8,681,973	22,153,084
<b>Net Surplus / (Deficit) for Year</b>		(281,354)	-	(281,354)
<b>Other Comprehensive Income</b>				
Gain on revaluation of infrastructure, property, plant & equipment		-	-	-
<b>Balance at end of period</b>		<b>13,189,757</b>	<b>8,681,973</b>	<b>21,871,730</b>

This Statement is to be read in conjunction with the attached Notes

# GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY

## STATEMENT OF CASHFLOWS for the year ended 30 June 2022

		2022	2021
	Notes	\$	\$
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>			
Receipts		282,547	199,195
Interest Receipts		1,073	1,023
Payments		<u>(237,090)</u>	<u>(182,638)</u>
<b>Net Cash provided by (or used in) Operating Activities</b>		<b>46,530</b>	<b>17,580</b>
 <b>CASH FLOWS FROM INVESTING ACTIVITIES</b>			
<u>Payments</u>			
Expenditure on renewal/replacement of assets		<u>(591,879)</u>	<u>-</u>
<b>Net Cash provided by (or used in) Investing Activities</b>		<b>(591,879)</b>	<b>-</b>
 <b>CASH FLOWS FROM FINANCING ACTIVITIES</b>			
<u>Receipts</u>			
Proceeds from borrowings		<u>502,136</u>	<u>-</u>
<b>Net Cash provided by (or used in) Financing Activities</b>		<b>502,136</b>	<b>-</b>
 <b>Net Increase (Decrease) in cash held</b>	8	<u><b>(43,214)</b></u>	<u><b>17,580</b></u>
 Cash & cash equivalents at beginning of period		<u><b>169,344</b></u>	<u><b>151,764</b></u>
<b>Cash &amp; cash equivalents at end of period</b>	8	<u><b>126,130</b></u>	<u><b>169,344</b></u>

This Statement is to be read in conjunction with the attached Notes

# GAWLER RIVER FLOODPLAIN MANAGEMENT AUTHORITY

## UNIFORM PRESENTATION OF FINANCIAL STATEMENTS

for the year ended 30 June 2022

	2022		2021
	\$		\$
Income	333,006		217,344
Expenses	<u>(583,824)</u>		<u>(498,698)</u>
<b>Operating Surplus / (Deficit)</b>	<b>(250,818)</b>		<b>(281,354)</b>
<b>Less Net Outlays in Existing Assets</b>			
Capital Expenditure on renewal and replacement of Existing Assets	(591,879)	-	-
Add back Depreciation Amortisation and Impairment	322,298	321,163	
Proceeds from Sale of Replaced Assets	<u>-</u>	<u>-</u>	
	(269,581)		321,163
<b>Less Net Outlays on New and Upgraded Assets</b>			
Capital Expenditure on New and Upgraded Assets	-	-	-
Amounts received specifically for New and Upgraded Assets	-	-	-
Proceeds from Sale of Surplus Assets	<u>-</u>	<u>-</u>	<u>-</u>
	-		-
<b>Net Lending / (Borrowing) for Financial Year</b>	<b><u>(520,399)</u></b>		<b><u>39,808</u></b>

**Gawler River Floodplain Management Authority  
Notes to and forming part of the Financial Statements  
for the year ended 30 June 2022**

**Note 1 - Statement of Significant Accounting Policies**

**a) The Local Government Reporting Entity**

This general purpose financial report has been prepared in accordance with Australian Accounting Standards as they apply to not-for-profit entities, other authoritative pronouncements of the Australian Accounting Standards Board, Interpretations and relevant South Australian legislation.

The Gawler River Floodplain Management Authority is a Regional Subsidiary under Section 43 and Schedule 2 of the Local Government Act 1999. The Constituent Councils are the Adelaide Hills Council, The Barossa Council, Town of Gawler, Light Regional Council, Adelaide Plains Council and The City of Playford.

All funds received and expended by the Authority have been included in the financial statements forming part of this financial report.

**b) Basis of Accounting**

This financial report has been prepared on an accrual basis and is based on historical costs and does not take into account changing money values, or except where specifically stated, current valuation of non-current assets.

**c) Employees**

The Authority has no employees.

**d) Cash**

For purposes of the statement of cash flows, cash includes cash deposits which are readily convertible to cash on hand and which are used in the cash management function on a day to day basis, net of outstanding bank overdraft.

**e) Infrastructure**

The Bruce Eastick North Para Flood Mitigation Dam was constructed in 2007. The valuation includes all materials, contractor's costs plus costs incidental to the acquisition, including engineering design and supervision fees and all other costs incurred.

**f) Land**

Land includes the land on which the dam is constructed, rights of way access to the land and 'right to flood' easements over the land upstream from the dam that will be inundated by dam waters for short periods of time during a flood event. The Board valuation was undertaken at 30th June 2011. Additional Land surrounding the dam was purchased in 2017/18 and was revalued by Asset Valuation and Consulting Pty Ltd in May 2017 for part lot 750 Kemp Road Kingsford. The next valuation is scheduled to be undertaken in 2022/2023.

**g) Revaluation**

The Board sought an independent valuation to be applied as at 30<sup>th</sup> June 2019, of the Bruce Eastick North Para Flood Mitigation Dam. The Board recognises that the dam is a unique infrastructure. The Board sought the advice of Entura (Hydro Tasmania), who provided a replacement cost valuation based on the actual construction contract costs, including some 'owner's costs' which would be incurred in the event of a replacement being necessary. In accordance with Accounting Standard (AASB)13 Fair Value Measurement, the valuation was undertaken as at 30 June 2019 and recorded as a level 3 restricted asset valuation. The next Valuation is scheduled to be undertaken in 2023/2024.



**Gawler River Floodplain Management Authority  
Notes to and forming part of the Financial Statements  
for the year ended 30 June 2022**

*Fair value level 3 valuations of buildings, infrastructure and other assets* – There is no known market for these assets and they are valued at depreciated current replacement cost. The method involves:

The determination of the cost to construct the asset (or its modern engineering equivalent) using current prices for materials and labour, the quantities of each being estimated based on recent experience of this or similar Councils, or on industry construction guides where these are more appropriate.

The calculation of the depreciation that would have accumulated since original construction using current estimates of residual value and useful life under the prime cost depreciation method adopted by the Authority.

The method has significant inherent uncertainties, relying on estimates of quantities of materials and labour, residual values and useful lives, and the possibility of changes in prices for materials and labour, and the potential for development of more efficient construction techniques.

**h) Depreciation**

The depreciation period for the Bruce Eastick North Para Flood Mitigation Dam is based on a straight line depreciation method with an expected useful life of 80 years.

The depreciation period for the Access Road is based on a straight line depreciation method with an expected useful life of 15 years.

**i) Revenue**

The Authority recognises revenue under AASB 1058 Income of Not-for-Profit Entities (AASB 1058) or AASB 15 Revenue from Contracts with Customers (AASB 15) when appropriate.

In cases where there is an 'enforceable' contract with a customer with 'sufficiently specific' performance obligations, the transaction is accounted for under AASB 15 where income is recognised when (or as) the performance obligations are satisfied (i.e. when it transfers control of a product or service to a customer). Revenue is measured based on the consideration to which the Authority expects to be entitled in a contract with a customer.

In other cases, AASB 1058 applies when a not-for-profit (NFP) entity enters into transactions where the consideration to acquire an asset is significantly less than the fair value of the asset principally to enable the entity to further its objectives. The excess of the asset recognised (at fair value) over any 'related amounts' is recognised as income immediately, except in the case where a financial asset has been received to enable the authority to acquire or construct a recognisable non-financial asset that is to be controlled by the authority. In this case, the authority recognises the excess as a liability that is recognised over time in profit and loss when (or as) the entity satisfies its obligations under the transfer.

Revenue from the Subscriptions is recognised upon the delivery of the service to customers.

Interest revenue is recognised on a proportional basis taking into account the interest rates applicable to the financial assets.

Revenue is stated net of the amount of goods and services tax (GST).

**Gawler River Floodplain Management Authority**  
**Notes to and forming part of the Financial Statements**  
**for the year ended 30 June 2022**

**Note 2 - Schedule of Constituent Council's Interest in Net Assets as at 30<sup>th</sup> June 2022**

**Prepared to meet the requirements of Clause 15.5 of the Charter**

"The 'Schedule of Constituent Councils' Interests in Net Assets' will reflect the proportionate contribution each Constituent Council has made to the growth of the net assets of the Authority having regard to the proportionate contribution to subscriptions. The Schedule when updated by the Board at the end of each financial year will reflect the proportionate contribution of each Constituent Council since the commencement of the Authority and once accepted by each Constituent Council will be evidence of the agreed proportion of a Constituent Council's interests in the net assets as at 30 June in that year."

For the purposes of this Clause all subscriptions by Constituent Councils have been included.

**Calculation of Net Equity**

**Assets**

Investments / Debtors	\$ 224,794
Infrastructure	\$ 21,482,256
Land	<u>\$ 477,000</u>
	<b>\$ 22,184,050</b>

**Less Liabilities**

Accounts Payable / Creditors	\$ 61,003
Borrowings	<u>\$ 502,136</u>
<b>NET EQUITY</b>	<b>\$ 21,620,912</b>

**Allocation of Councils Interest in Net Assets**

Constituent Councils	Accumulated Subscriptions for Operations to 30 June 2022	Accumulated Subscriptions for Maintenance to 30 June 2022	Accumulated Subscriptions for Scheme Works to 30 June 2022	All Subscriptions to 30 June 2022	Percentage of Contributions to the Total	Council's Interests in Net Assets
Adelaide Hills Council	\$201,424	\$6,352	\$72,462	\$280,238	4.87%	\$1,052,939
The Barossa Council	\$201,424	\$31,813	\$362,879	\$596,116	10.36%	\$2,239,926
Town of Gawler	\$201,424	\$63,586	\$724,666	\$989,676	17.19%	\$3,716,635
Light Regional Council	\$201,424	\$31,813	\$362,879	\$596,116	10.36%	\$2,239,926
Adelaide Plains Council	\$201,424	\$106,079	\$1,207,770	\$1,515,273	26.33%	\$5,692,786
City of Playford	\$201,424	\$127,254	\$1,449,319	\$1,777,997	30.89%	\$6,678,700
	<b>\$1,208,544</b>	<b>\$366,897</b>	<b>\$4,179,975</b>	<b>\$5,755,416</b>	<b>100%</b>	<b>\$21,620,912</b>

Schedule of Constituent Councils' Interests in Net Assets' as at the 30<sup>th</sup> June 2022 adopted by the Board in accordance with Clause 15.5 of the Charter on 18 August 2022.

**Gawler River Floodplain Management Authority**  
**Notes to and forming part of the Financial Statements**  
**for the year ended 30 June 2022**

**Note 3 - Functions / Activities of the Authority**

a) Revenues and expenses have been attributed to the following functions / activities, descriptions of which are set out in Note b.

b) The activities of the Authority are categorised into the following function / activities:

**Administration:** The operations of the Authority and its Board

**Other Environment:** Flood Mitigation

c) Functions of the Gawler River Floodplain Management Authority  
(excluding depreciation)

	Year	Revenue		Expenses		Surplus (deficit)
		Grants	Other	Total Revenue	Expenses Total	
Administration	2022	-	\$177,284	\$177,284	\$88,260	<b>\$89,024</b>
	2021	-	\$147,044	\$147,044	\$85,115	<b>\$61,929</b>
Other Environment:	2022	\$70,518	\$ 85,204	\$155,722	\$173,267	<b>(\$17,545)</b>
Flood Mitigation	2021	\$20,000	\$ 50,300	\$ 70,300	\$92,421	<b>(\$22,121)</b>
Total	2022	\$70,518	\$262,488	\$333,006	\$261,527	<b>\$71,479</b>
	2021	\$20,000	\$197,344	\$217,344	\$177,536	<b>\$39,808</b>

**Note 4 - Subscriptions**

The following subscriptions were levied on the Constituent Councils in accordance with Clause 10.2 of the Charter for the year:

Constituent Council	Maintenance		Operations		TOTALS	
	2022	2021	2022	2021	2022	2021
Adelaide Hills Council	<b>\$ 1,474</b>	\$ 871	<b>\$29,342</b>	\$24,322	<b>\$30,816</b>	\$25,193
The Barossa Council	<b>\$ 7,388</b>	\$ 4,361	<b>\$29,342</b>	\$24,322	<b>\$36,730</b>	\$28,683
Town of Gawler	<b>\$14,774</b>	\$ 8,722	<b>\$29,342</b>	\$24,322	<b>\$44,116</b>	\$33,044
Light Regional Council	<b>\$ 7,388</b>	\$ 4,361	<b>\$29,342</b>	\$24,322	<b>\$36,730</b>	\$28,683
Adelaide Plains Council	<b>\$24,624</b>	\$14,541	<b>\$29,342</b>	\$24,322	<b>\$53,966</b>	\$38,863
City of Playford	<b>\$29,556</b>	\$17,444	<b>\$29,342</b>	\$24,325	<b>\$58,898</b>	\$41,769
<b>TOTAL</b>	<b>\$85,204</b>	\$50,300	<b>\$176,052</b>	\$145,935	<b>\$261,256</b>	\$196,235



**Gawler River Floodplain Management Authority**  
**Notes to and forming part of the Financial Statements**  
**for the year ended 30 June 2022**

**Note 5- Contractual Services**

	2022	2021
Executive Officer	\$56,826	\$56,280
Audit Committee	\$2,600	\$2,600
Audit Fees	\$5,188	\$5,000
Legal Fees	\$2,000	\$0
Gawler River Scheme Consultancies	\$159,957	\$84,737
Maintenance Contractors	\$9,849	\$7,560
<b>TOTALS</b>	<b>\$236,420</b>	<b>\$156,177</b>

**Note 6 - Comparison of Budget and Actual Results (excluding depreciation)**

	2022		2021	
	Budget	Actual	Budget	Actual
Revenue				
Administration	\$176,652	\$177,284	\$147,050	\$147,044
Other Environment: Flood Mitigation	\$85,200	\$85,204	\$0	\$0
State Grant	\$70,518	\$70,518	\$20,000	\$20,000
Maintenance	\$0	\$0	\$50,300	\$50,300
Other Environment: Flood Mitigation Capital	\$0	\$0	\$0	\$0
<b>Total Revenue</b>	<b>\$332,370</b>	<b>\$333,006</b>	<b>\$217,350</b>	<b>\$217,344</b>
Expenditure				
Administration	\$94,152	\$88,260	\$88,050	\$85,115
Other Environment: Flood Mitigation	\$15,200	\$10,035	\$97,950	\$7,684
Maintenance	\$168,995	\$163,232	\$100,736	\$84,736
Other Environment: Flood Mitigation Capital	\$635,000	\$591,879	\$0	\$0
<b>Total Expenditure</b>	<b>\$913,347</b>	<b>\$853,406</b>	<b>\$286,736</b>	<b>\$177,535</b>
<b>Surplus (deficit)</b>	<b>(\$580,977)</b>	<b>(\$520,400)</b>	<b>(\$69,386)</b>	<b>\$39,809</b>

**Note 7 - Expenditure Commitment**

- i. An agreement has been entered into with David Hitchcock to provide Executive Officer and Supervision of Consultants services to 31 December 2023.

**Gawler River Floodplain Management Authority**  
**Notes to and forming part of the Financial Statements**  
**for the year ended 30 June 2022**

**Note 8 - Reconciliation Statement of Cash Flows**

**(a) Reconciliation of Cash**

Cash Assets comprise highly liquid investments with short periods to maturity subject to insignificant risk of changes of value. Cash at the end of the reporting period as shown in the Cash Flow Statement is reconciled to the related items in the Balance Sheet as follows:

	2022	2021
	\$	\$
Total cash & equivalent assets	<u>126,130</u>	<u>196,235</u>
Balances per Cash Flow Statement	<u>126,130</u>	<u>196,235</u>

**(b) Reconciliation of Change in Net Assets to Cash from Operating Activities**

Net Surplus (Deficit)	(250,818)	(281,354)
Non-cash items in Income Statement		
Depreciation, amortisation & impairment	<u>322,298</u>	<u>321,163</u>
	71,480	39,809
Add (Less): Changes in Net Current Assets		
Net (increase) decrease in receivables	(49,386)	(17,127)
Net increase (decrease) in trade & other payables	<u>24,436</u>	<u>(5,102)</u>
<b>Net Cash provided by (or used in) operations</b>	<u><b>46,530</b></u>	<u><b>17,580</b></u>

**Note 9 -Economic Dependence**

The Gawler River Floodplain Management Authority (GRFMA) was formed as a Regional Subsidiary under Section 43 and Schedule 2 of the Local Government Act 1999 in August 2002, by a Charter that was amended and published in The South Australian Government Gazette on 27<sup>th</sup> February 2020 at page 474.

The Gawler River Floodplain Management Authority (GRFMA) is dependent upon subscriptions levied on the Constituent Councils in accordance with Clause 10.2 of the Charter to fund the construction, operation and maintenance of flood mitigation infrastructure of the Authority which it owns and manages.

**Gawler River Floodplain Management Authority**  
**Notes to and forming part of the Financial Statements**  
**for the year ended 30 June 2022**

**Note 10 - Non-Current Assets Summary**

	Fair Value Level	2022				2021			
		At Fair Value	At Cost	Accum Dep'n	Carrying Amount	At Fair Value	At Cost	Accum Dep'n	Carrying Amount
Land and easements	-	\$477,000	-	-	\$477,000	\$477,000	-	-	\$477,000
North Para Dam									
Access Roads	3	\$84,000	-	(\$19,800)	\$64,200	\$84,000	-	(\$14,200)	\$69,800
North Para Dam	3	\$25,245,000	\$591,879	(\$4,418,823)	\$21,418,056	\$25,245,000	-	(\$4,102,125)	\$21,142,875
Total Infrastructure and Land		\$25,806,000	\$591,879	(\$4,438,623)	\$21,959,256	\$25,806,000	-	(\$4,116,325)	\$21,689,675
Comparatives		\$25,806,000	-	(\$4,116,325)	\$21,169,675	\$25,806,000	-	(\$3,795,163)	\$22,010,937

	Carrying Amount Movements During the Year								2022
	2021 Carrying Amount	Additions		Disposals	Depreciation	Impairment	Transfers	Net Valuation	Carrying Amount
		New Upgrade	Renewals						
Land and easements	\$477,000	-	-	-	-	-	-	-	\$477,000
Access Roads	\$69,800	-	-	-	(\$5,600)	-	-	-	\$64,200
Infrastructure - North Para Dam	\$21,142,875	-	\$591,879	-	(\$316,698)	-	-	-	\$21,418,056
Total Infrastructure, Property, Plant & Equipment	\$21,689,675	-	\$591,879	-	(\$322,298)	-	-	-	\$21,959,256
Comparatives	\$22,010,837	-	-	-	(\$321,163)	-	-	-	\$21,169,675

**Gawler River Floodplain Management Authority**  
**Notes to and forming part of the Financial Statements**  
**for the year ended 30 June 2022**

**Note 11 - Financial Instruments**

All financial instruments are categorised as *loans and receivables*.

**Accounting Policies - Recognised Financial Instruments**

<b>Bank, Deposits at Call, Short Term Deposits</b>	<p><b>Accounting Policy:</b> initially recognised at fair value and subsequently measured at amortised cost, interest is recognised when earned</p> <p><b>Terms &amp; conditions:</b> Deposits are returning fixed interest rates between 0.10% and 0.25% (2021: 0.25% and 0.30%).</p> <p><b>Carrying amount:</b> approximates fair value due to the short term to maturity.</p>
<b>Bank, Deposits at Call, Short Term Deposits</b>	<p><b>Accounting Policy:</b> initially recognised at fair value and subsequently measured at amortised cost, interest is recognised when earned</p> <p><b>Terms &amp; conditions:</b> Deposits are returning fixed interest rates between 0.25% and 1.05% (2021: 0.25% and 0.30%).</p> <p><b>Carrying amount:</b> approximates fair value due to the short term to maturity.</p>
<b>Receivables - Fees &amp; other charges</b>	<p><b>Accounting Policy:</b> initially recognised at fair value and subsequently measured at amortised cost. An impairment provision is recognised using the expected credit loss method</p> <p><b>Terms &amp; conditions:</b> Unsecured, and do not bear interest. Although the authority is not materially exposed to any individual debtor, credit risk exposure is concentrated within the Authorities boundaries.</p> <p><b>Carrying amount:</b> approximates fair value (after deduction of any allowance).</p>
<b>Liabilities - Creditors and Accruals</b>	<p><b>Accounting Policy:</b> Liabilities are recognised for amounts to be paid in the future for goods and services received, whether or not billed to the Authority.</p> <p><b>Terms &amp; conditions:</b> Liabilities are normally settled on 30 day terms.</p> <p><b>Carrying amount:</b> approximates fair value.</p>
<b>Liabilities – Interest Bearing Borrowings</b>	<p><b>Accounting Policy:</b> initially recognised at fair value and subsequently amortised cost, interest is charged as an expense using the effective interest rate.</p> <p><b>Terms &amp; conditions:</b> secured over future revenues, borrowings are repayable; interest is charged at fixed or variable rates 2.80%.</p> <p><b>Carrying amount:</b> approximates fair value.</p>

**Liquidity Analysis**

<b>2022</b>	<b>Due &lt; 1 year</b>	<b>Due &gt; 1 year ≤ 5 years</b>	<b>Due &gt; 5 years</b>	<b>Total Contractual Cash Flows</b>	<b>Carrying Values</b>
<b><u>Financial Assets</u></b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Cash & Equivalents	126,130	-	-	126,130	126,130
Receivables	98,664	-	-	98,664	98,664
<b>Total</b>	<b>224,794</b>	<b>-</b>	<b>-</b>	<b>224,794</b>	<b>224,794</b>
<b><u>Financial Liabilities</u></b>					
Payables	59,003	-	-	59,003	59,003
Borrowings	70,000	287,788	305,058	662,846	502,136
<b>Total</b>	<b>129,003</b>	<b>287,788</b>	<b>305,058</b>	<b>721,849</b>	<b>561,139</b>

**Gawler River Floodplain Management Authority**  
**Notes to and forming part of the Financial Statements**  
**for the year ended 30 June 2022**

2021	Due < 1 year	Due > 1 year; ≤ 5 years	Due > 5 years	Total Contractual Cash Flows	Carrying Values
	\$	\$	\$	\$	\$
<b><u>Financial Assets</u></b>					
Cash & Equivalents	169,344	-	-	-	169,344
Receivables	49,278	-	-	-	49,278
<b>Total</b>	<b>218,622</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>218,622</b>
<b><u>Financial Liabilities</u></b>					
Payables	36,567	-	-	-	36,567
<b>Total</b>	<b>36,567</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>36,567</b>

The following interest rates were applicable to the Authority's Borrowings at balance date:

	2022	2021
\$'000	Weighted Av Interest Rate	Carrying Value
Variable Interest Rates	2.80%	502,136
		502,136

**Risk Exposures:**

**Credit Risk** represents the loss that would be recognised if counterparties fail to perform as contracted. The maximum credit risk on financial assets of the Authority is the carrying amount, net of any impairment. All Authority investments are made with the SA Local Government Finance Authority and are guaranteed by the SA Government. Except as detailed in Notes 5 & 6 in relation to individual classes of receivables, exposure is concentrated within the Authorities boundaries, and there is no material exposure to any individual debtor.

**Market Risk** is the risk that fair values of financial assets will fluctuate as a result of changes in market prices. All of the Authority's financial assets are denominated in Australian dollars and are not traded on any market, and hence neither market risk nor currency risk apply.

**Liquidity Risk** is the risk that Authority will encounter difficulty in meeting obligations with financial liabilities. In accordance with the model Treasury Management Policy (LGA Information Paper 15), liabilities have a range of maturity dates.

**Interest Rate Risk** is the risk that future cash flows will fluctuate because of changes in market interest rates. The Authority has a balance of both fixed and variable interest rate borrowings and investments. Cash flow fluctuations are managed holistically in seeking to minimise interest costs over the longer term in a risk averse manner.



**Gawler River Floodplain Management Authority**  
**Notes to and forming part of the Financial Statements**  
**for the year ended 30 June 2022**

**Note 12 Uniform Presentation of Financial Statements**

The following is a high level summary of both operating and capital investment activities of the Authority prepared on a simplified Uniform Presentation Framework basis.

All Local Government Councils and Authorities have agreed to summarise annual budgets and long-term financial plans on the same basis.

The arrangements ensure that all Councils provide a common 'core' of financial information, which enables meaningful comparisons of each Authorities finances.

	<b>2022</b>	<b>2021</b>
	<b>\$</b>	<b>\$</b>
Income	<b>333,006</b>	217,344
Expenses	<u>(583,824)</u>	<u>(498,698)</u>
<b>Operating Surplus / (Deficit)</b>	<b>(250,818)</b>	<b>(281,354)</b>
<b>Less Net Outlays in Existing Assets</b>		
Capital Expenditure on renewal and replacement of Existing Assets	(591,879)	-
Add back Depreciation Amortisation and Impairment	322,298	321,163
Proceeds from Sale of Replaced Assets	-	-
	<u>(269,581)</u>	321,163
<b>Less Net Outlays on New and Upgraded Assets</b>		
Capital Expenditure on New and Upgraded Assets	-	-
Amounts received specifically for New and Upgraded Assets	-	-
Proceeds from Sale of Surplus Assets	-	-
	<u>-</u>	<u>-</u>
<b>Net Lending / (Borrowing) for Financial Year</b>	<b><u>(520,399)</u></b>	<b><u>39,808</u></b>

**Note 13 – Contingencies & Assets & Liabilities not recognised in the Balance Sheet**

There are no contingencies, asset or liabilities not recognised in the financial statements for the year ended 30 June 2022.

**Gawler River Floodplain Management Authority  
Notes to and forming part of the Financial Statements  
for the year ended 30 June 2022**

**Note 14 - Events Occurring After Reporting Date**

There were no events subsequent to 30 June 2022 that need to be disclosed in the financial statements.

**Note 15 - Related Parties Disclosures**

**Key Management Personnel**

The Key Management Personnel of the Gawler River Floodplain Management Authority (GRFMA) include the Chairman, Board Members, Deputy Board Members and Executive Officer. In all Key Management Personnel were paid the following total compensation:

	<b>2022</b> \$	<b>2021</b> \$
Salaries, allowances & Other Short Term Benefits	\$65,126	\$65,530
<b>TOTAL</b>	<b>\$65,126</b>	<b>\$65,530</b>

	<b>Amounts received from Related Party during the financial year</b>	<b>Amounts received from Related Party during the financial year</b>
	<b>2022</b> \$	<b>2021</b> \$
Adelaide Hills Council	\$32,076	\$12,597
The Barossa Council	\$36,730	\$28,683
Town of Gawler	\$44,116	\$33,044
Light Regional Council	\$36,730	\$28,683
Adelaide Plains Council	\$53,966	\$38,863
City of Playford	\$58,898	\$41,769
<b>TOTAL</b>	<b>\$262,516</b>	<b>\$183,639</b>

The Authority has been established for the following purposes:

1. 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;
2. To raise finance for the purpose of developing, managing and operating and maintaining works approved by the board;
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 for the Gawler River;
4. Upon application of one or more Constituent Councils pursuant to clause 12.4:
  1. 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
  2. to enter into agreements with one or more of the Constituent Councils for the purpose of managing and developing the Gawler River.

**Agenda Item:**                   **5.2**  
**Committee:**                   **GRFMA Audit Committee**  
**Meeting Date:**               **8 August 2022**  
**Title:**                         **GRFMA 2021/2022 Annual Report**

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**Recommendation:**

**That the GRFMA Audit Committee receives and notes the GRFMA 2021/2022 Annual Report.**

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The Annual Report of the Gawler River Floodplain Management Authority has been prepared for the period 1 July 2021 to 30 June 2022.

It has been prepared pursuant to Clause 17 of the Charter which requires that the Authority must submit an annual report on its work and operations including its audited financial statements, to each Constituent Council before 30 September.

See attached for a copy of the GRFMA 2021/2022 Annual Report.

Note: the 2021/2022 Annual Financial Statements are to be inserted in the report following consideration and adoption of recommendation of agenda Item 5.1 of the 08/08/2022 GRFMA Audit Committee meeting.





*The Barossa Council*

# ANNUAL REPORT 2021-22

## Gawler River Floodplain Management Authority

### Constituent Councils:

*Adelaide Hills Council*

*Adelaide Plains Council*

*The Barossa Council*

*Town of Gawler*

*Light Regional Council*

*City of Playford*

**Gawler**



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## Acting Chairperson Foreword

The Gawler River Floodplain Management Authority (GRFMA) has heavily advanced a suite of projects and programs throughout the reporting period and, as Acting Chairperson, it is my pleasure to acknowledge the outputs and achievements of the Board through this year's foreword.

Recent flooding events on our nation's eastern seaboard serve to reinforce the importance of investing time, money and resources into flood preparedness and flood mitigation. While the Gawler River has not experienced a flood event since October 2016, we are only too aware that our next flood event may be just a winter away and planning for the inevitable rains that will fall within the catchment has been high on the Board's agenda yet again in 2021/2022.

The GRFMA subsidiary has yet again provided the vehicle for collaborative engagement amongst the six constituent councils over the reporting period and enabled productive engagement with state and federal government agencies and other key stakeholders on a raft of platforms.

Of the significant achievements, I glean upon and report the following:

- Adoption of the inaugural GRFMA Strategic Plan for 2021-2026
- Progression of the Stormwater Management Plan
- Maintenance of the Bruce Eastick North Para Flood Mitigation Dam
- Advancement of GRFMA Charter Review II (cost contributions model)
- Engagement with State Government on the Gawler River Flood Mitigation Business Case

Suffice to say, it has been a busy yet rewarding period for the Board.

As Acting Chairperson, I take this opportunity to acknowledge the work of our Chairperson, Ian Baldwin (who at the time of preparing the Annual Report was on some well-deserved leave) and our Executive Officer, David Hitchcock. Both Ian and David have served the subsidiary extremely well yet again and I thank them for their contributions to the activities of the Board.

I also wish to acknowledge the valuable contributions of all Board Members and Committee Members throughout the period, including those who have recently retired from the Board in Sam Dilena and Gary Mavrinac; all our members' contributions have again been highly valued and greatly appreciated.

I commend the 2021/2022 Annual Report to you.

**Mr James Miller, Acting Chair, Gawler River Floodplain Management Authority**

# Gawler River Floodplain Management Authority (GRFMA)

## The Gawler River

The Gawler River is formed by the confluence of the North Para and South Para in the town of Gawler and is located in the Adelaide Plains district of South Australia. The district surrounding the river produces cereal crops and sheep for both meat and wool, as well as market gardens, almond orchards and vineyards. The farm gate output of the Gawler River Floodplain horticultural areas is estimated to be at least \$225 million.

## Purpose of the GRFMA

The GRFMA was formed as a Regional Subsidiary under Section 43 and Schedule 2 of the Local Government Act 1999 on 22 August 2002. The Constituent Councils are the Adelaide Hills Council, The Adelaide Plains Council, The Barossa Council, The Town of Gawler, Light Regional Council, and the City of Playford.



The Charter provides for one independent person, who is not an officer, employee, or elected member of a Constituent Council, to be appointed as the Chairperson of the Board of Management of the GRFMA for a term of two years.

The Charter sets down the powers, functions, safeguards, accountabilities, and an operational framework.

The Authority has been established for the purpose of coordinating 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 policy changes on matters related to flood mitigation and management and associated land use planning with Gawler River flood mitigation;
- to facilitate sustainable outcomes to ensure a proper balance between economic, social, environmental, and cultural consideration; and
- to provide advice as appropriate to the Constituent Councils in relation to development applications relevant to the Authority's roles and functions.



## Governance

### The Board

The Authority is governed by the Board of management. The Board comprises of

- one independent person, who is not an officer, employee, or elected member of a constituent council, to be appointed as the Chairperson of the Board of Management of the GRFMA for a term of three years.
- Two persons appointed from each of the six constituent councils (12 members in total). Council appointees comprise of the Council CEO, or delegate and one Elected Member.
- Deputy Board members as appointed by each constituent council

The Members of the Board are:

<b>Council</b>	<b>Board Members</b>	<b>Deputy Board Members</b>
<b>Chairperson &amp; Independent Member</b>	Mr Ian Baldwin	
<b>Adelaide Hills Council</b>	Cr Malcolm Herrmann Mr Ashley Curtis	Cr Pauline Gill
<b>Adelaide Plains Council</b>	Cr Terry-Anne Keen Mr James Miller	Cr John Lush Ms Sheree Schenk
<b>The Barossa Council</b>	Mayor Bim Lange Mr Gary Mavrinac (resigned 30/6/22)	Cr Russell Johnstone
<b>Town of Gawler</b>	Cr Paul Koch Mr Sam Dilena (resigned 16/6/22)	Cr Nathan Shanks Vacant
<b>Light Regional Council</b>	Cr William Close Mr Brian Carr	Mr Andrew Philpott
<b>City of Playford</b>	Cr Agapios (Peter) Rentoulis Mr Greg Pattinson	Cr Clinton Marsh

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 the Constituent Councils.

Ordinary meetings of the Board are generally held bi-monthly on the third Thursday of the even months commencing at 9.45am: excepting December which is held on the second Thursday. Meetings are hosted by the Constituent Councils on a rotational roster with six Board meetings and two Special Board Meetings held during the year as follows:

Ordinary Board Meetings:

- Thursday 19 August 2021 – Town of Gawler
- Thursday 21 October 2021 – Adelaide Plains Council
- Thursday 9 December 2021 – City of Playford
- Thursday 17 February 2022 – Light Regional Council
- Thursday 14 April 2022 – Adelaide Hills Council
- Thursday 16 June 2022 – The Barossa Council

One Special Board Meeting:

- Monday 27 September 2021 – City of Playford

## Technical Assessment Panel

A Technical Assessment Panel has been appointed to support the decision-making processes of the Board with delegated powers to provide advice and manage the technical aspects of the design, assessment, and construction of the various parts of the Scheme.

The Members of the Panel are:

- Mr Ian Baldwin, Independent Chair
- Ms Ingrid Franssen, Manager Flood Management, DEWNR
- Vacant, Principal Engineer Dams, SA Water
- Council representative – Vacant following resignation of Matt Elding, The Barossa Council
- Mr Braden Austin, Playford Council
- Mr David Hitchcock, Executive Officer

Three meetings of the Panel were held during the year

- Monday 5 July 2022
- Wednesday 11 August 2021
- Wednesday 1 September 2021

Email out of session consideration was also undertaken to consider proposed repairs to the Lower Level Outlet Pipe and Baffle Block replacement at the Bruce Eastick North Para Flood Mitigation Dam.

## Audit Committee

An Audit Committee has been appointed to review:

- the annual financial statements to ensure that they present fairly the situation of the Board, and
- the adequacy of the accounting, internal control, reporting and other financial management systems and practices of the Board on a regular basis.

The Committee held four (4) meetings during the year:

- Thursday 12 August 2021
- Tuesday 23 November 2021
- Monday 7 February 2022
- Wednesday 1 June 2022

The members of the Committee are:

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

Membership of the GRFMA Audit Committee is for two years (1 July 2020 until 30 June 2022).

### **Executive Officer**

Mr David Hitchcock has been appointed Executive Officer on a contract basis (part time) to 31 December 2022.

### **External Auditor**

Dean Newbery and Partners have been appointed as the external auditor for 2020-2024.

### **GRFMA Policies**

The following Policies have been adopted to provide management guidelines for the day-to-day business of the GRFMA:

- Procurement and Operations Policy
- Grant Policy
- Internal Review of Decisions Policy
- Public Consultation Policy
- Access to Meetings and Documents Policy
- Dam Valuation Policy
- Treasury Management Policy

The purpose of the policies is to provide prudent management guidelines for the day-to-day management of the affairs of the Authority.



## Meetings

All meetings of the GRFMA and its committees are open to the public, except for those matters to be considered under Section 90 of the Local Government Act 1999.

No Freedom of Information requests were received during the year.

Forum	Total Resolutions for the year	Resolutions to exclude the Public – S90(3)	Purpose	Order for docs to remain confidential - S91(7)	%
Board	89	7		7	8
Technical Assessment Panel	17	3		0	100
Audit Committee	10	0		0	0

## Evaluation of Performance Against the Business Plan

### Part A: Funding

Performance Targets:	Timings:	To be measured by:	Actual Achievements:
Grant Claims	At all times	Lodge claims monthly for the payment of Commonwealth and State Government Grants.	<input checked="" type="checkbox"/> Claims lodged according to grant conditions
Maintain positive Cash Flow	At all times	Positive bank account balances at all times.	<input checked="" type="checkbox"/> Positive cash flow maintained

## Part B: Proposed Flood Mitigation Scheme Works

Gawler River Flood Mitigation Scheme	
One	What will the Mark Two Scheme Include? (Note these steps may occur concurrently and not necessarily in the following order)
Two	Reconfirm with the Constituent Councils that a 1 in 100-year level of protection is the protection standard that is to be pursued in the development of the Gawler River Flood Mitigation Scheme - Mark Two Strategy. N.B. The protection standard does not guarantee full protection for all flood events. <b><i>The Findings Report 2016 advised the 1 in 100 ARI event is considered to be the minimum desirable level of flood protection for new development as well as for much of the existing floodplain development. <u>GRFMA Strategic Plan Priority action 1.2 - Review, with Constituent Councils and stakeholders, design standards for infrastructure works including costs and benefits. The Findings Report 2016 advised enlarging the existing Bruce Eastick North Para Flood Mitigation Dam on the North Para offers the greatest level of protection with least impacts and is rated as the most favoured structural mitigation option. This option deferred pending completion of the Gawler River Storm Water Management Plan. Noting feasibility of raising the height of the Bruce Eastick Dam is still a strategic consideration. <u>GRFMA Strategic Plan Priority action 1.4 – 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.</u></u></i></b>
Three	The Gawler River Floodplain Mapping Model should be maintained as the reference tool to demonstrate the level of flood protection and validity of design of land proposed for development as part of the approval process. To achieve this, the model should be upgraded to include recent works such as the Northern Expressway works and the additional floodplain mapping completed as part of the Light River Templers Creek Salt Creek Mapping Study by the Adelaide Plains Council. <b><i>Completed.</i></b>
Four	To further develop the preliminary assessment of possible local area levees prepared in the 2008 Gawler River Floodplain Mapping Study at Gawler, Angle Vale and Two Wells and develop a levee strategy for Virginia to a robust design standard with a staging plan. Undertake a cost benefit study for each stage of the plan. <b><i>Will be a consideration of the Gawler River Stormwater Management Plan 2021/2022.</i></b>
Five	Establish a protocol with the Floodplain Councils that where development of land in areas identified as 'at risk of flooding' is planned to proceed by the implementation of a local area levee that mapping of the proposed levees on the Gawler River Floodplain Mapping Study Model will be required. <b><i><u>GRFMA Strategic Plan Priority action 1.4 – 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.</u></i></b>

### Gawler River Flood Mitigation Scheme

- Six Maintain a working relationship with the Australian Rail Track Corporation to ensure that any changes to Railtrack infrastructure of culverts and rail heights are mapped on the Gawler River Floodplain Mapping Study Model to identify any changes to flooding impacts. **Ongoing – new replacement of the rail bridge completed April 2021.**
- Seven Develop a funding strategy for flood protection that is delivered by local area levees on the questions of who should own and maintain the levees and whether local area levees are regional works that the GRFMA should fund or are they local works that are the responsibility of the local Council. **Will be a consideration of the Gawler River Stormwater Management Plan 2021/2022.**
- Eight Investigate opportunities for funding partners and grants to undertake the necessary assessments and designs. **Ongoing. GRFMA currently working with Department of Environment and Water on the \$9 Mil Gawler River Flood Mitigation projects. GRFMA Strategic Plan Priority action 2.4 – Proactively pursue governance structures and/or management approaches that bring together the various government agencies involved in water management related to the Gawler River to ensure coordinated action is taken to reduce flood risk, while contributing to greater integration of water management.**
- Nine The Scheme will also seek to clarify, through the Local Government Association, the policy and legal framework around maintenance of rivers and creeks where those rivers and creeks are part of the regional flood management plan. Under current legislation a landowner is responsible for the condition of a creek or waterway on private land. **Pending finalisation of the review by Department Environment and Water. GRFMA submission provided.**

### Part B: Maintenance of the Scheme

Performance Targets:	Timings:	To be measured By:	Actual Achievements
Six monthly inspection	June and December	Completion of Inspection Report	<input checked="" type="checkbox"/> Routine inspections completed

## Part C: Operation of the Regional Subsidiary

<b>Performance Targets:</b>	<b>Timings:</b>	<b>To be measured By:</b>	<b>Actual Achievements</b>
Reports to Stakeholders	Bi-Monthly	Key Outcomes Summary to be published following each Board Meeting	<input checked="" type="checkbox"/> <b>Key Outcomes Summary prepared following GRFMA meetings.</b>
Maintain effective Regional Subsidiary	December	The performance of the Executive Officer be reviewed annually Charter Review	<input checked="" type="checkbox"/> <b>Review conducted in December 2021.</b> <input checked="" type="checkbox"/> <b>GRFMA Charter Review( 2nd stage) commenced April 2020 - Materially completed pending finalisation of cost share funding model.</b>
	August	The appointment of Auditor, Bank Operators, levels of insurance, appropriate registrations, delegations and policies be reviewed annually.	<input checked="" type="checkbox"/> <b>New External Auditor 2019-2024 appointed June 2019.</b> <input checked="" type="checkbox"/> <b>Appropriate levels of insurance reviewed in July 2021.</b>
Review of the Business Plan	By 31 <sup>st</sup> March	Review the Business Plan prior to preparing the Budget Forward to the Councils	<input checked="" type="checkbox"/> <b>June 2021 - Business Plan 2021- 2022 adopted.</b> <input checked="" type="checkbox"/> <b>June 2021 - Achievements against the Business Plan 2021 - 2022 presented.</b>
Annual Budget	By 31 <sup>st</sup> March, June, October, December	Adopt for consultation forward to Councils- Adopt Budget – copy to Councils in 5 days- Conduct Budget Reviews	<input checked="" type="checkbox"/> <b>2022 - 2023 Draft Budget forwarded in March 2022 to consistent councils for consultation.</b> <input checked="" type="checkbox"/> <b>Budget Reviews 1, 2 and 3 reviewed by GRFMA Audit Committee.</b>
Subscriptions	June December	Send half year subscriptions to Council	<input checked="" type="checkbox"/> <b>All first half subscriptions paid.</b> <input checked="" type="checkbox"/> <b>All Second half subscriptions paid.</b>

<b>Performance Targets:</b>	<b>Timings:</b>	<b>To be measured By:</b>	<b>Actual Achievements</b>
Report to Constituent Councils	Following each Board meeting By 30 <sup>th</sup> September	The receipt of the following reports by Councils, Board Meeting Key Outcome Summary Annual Report including Annual Financial Statements	<input checked="" type="checkbox"/> <b>Key Outcomes Summary prepared following meetings.</b>  <input checked="" type="checkbox"/> <b>Annual Report forwarded electronically to Councils.</b>
Governance	Ongoing	Policies and new management framework documents developed and reviewed	<input checked="" type="checkbox"/> <b>Independent review of all GRFMA policies initiated December 2021.</b>  <input checked="" type="checkbox"/> <b>GRFMA Strategic Plan facilitated and considered at the June 2022 GRFMA Meeting.</b>  <input checked="" type="checkbox"/> <b>Draft Asset Management Plan and Long Term Financial Plans facilitated for adoption June 2022.</b>  X <b>Charter Review 2 Funding Model not finalised.</b>
Annual Operations		<p>Advocacy for construction of Northern Floodway project</p> <p>Dewatering and repair of the low-level inlet pipe and stilling basin</p> <p>Scheduled inspection</p>	<b>Hiatus. Pending completion of the Gawler River Stormwater Management Plan</b>  <input checked="" type="checkbox"/> <b>GRFMA currently working with Department of Environment and Water on the \$9 Mil Gawler River Flood Mitigation projects.</b>  <input checked="" type="checkbox"/> <b>Major repair works facilitated and completed 30 April 2022.</b>  <input checked="" type="checkbox"/> <b>Removal of Graffiti and security chains attached to HLOP screens completed November 2021.</b>  <input checked="" type="checkbox"/> <b>Completed April 2022</b>

Performance Targets:	Timings:	To be measured By:	Actual Achievements
Annual Operations		<p>Environmental management of land associated with the Dams location.</p> <p>GRUMP decision support tool to manage flood risk</p> <p>Revegetate land zone around the Bruce Eastick North Para Flood Mitigation Dam.</p>	<p><input checked="" type="checkbox"/> <b>Annual land management lease in place.</b></p> <p><input checked="" type="checkbox"/> <b>Completion March 2022.</b></p> <p><input checked="" type="checkbox"/> <b>Ongoing.</b></p>

## Financial Statements 2021-22

1. Certification of Financial Statements
2. Financial Statements and Notes
3. Related Parties Disclosures
4. Statement of Auditors Independence
5. Certification of Auditor Independence

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<b>Agenda Item:</b>	<b>5.3</b>
<b>Committee:</b>	<b>GRFMA Audit Committee</b>
<b>Meeting Date:</b>	<b>8 August 2022</b>
<b>Title:</b>	<b>GRFMA Long Term Financial Plan</b>

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For discussion on suitability of programmed cost estimates now provided by Chris Sale Consulting.

With view of establishing recommendation on matters relating to:

- Amending 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.
  - Determination of appropriate cost allocation to relevant accounts
- 

The following motion was unanimously carried at the 16/6/2022 GRFMA meeting:

GB22/31 *That the GRFMA:*

1. *Receives the report.*
2. *Notes the draft GRFMA Long Term Financial Plan and draft Asset Management Plans have been initiated in accordance with requirement of the GRFMA Charter.*
3. *Reaffirms the GRFMA policy position that depreciation of the Bruce Eastick North Para Flood Mitigation Dam will not be funded.*
4. *Requests the Executive Officer to:*
  - *Commission work up to value of \$5,000, to establish programmed cost estimates for a minimum ten year Dam repair period, to be utilised in the draft Long Term Financial Plan and draft Asset Management Plan.*
  - *Amend the draft documents as required including averaging of maintenance costs over the proposed 10 year costed program.*
  - *Provide a copy of the amended draft Long Term Financial Plan and draft Asset Management Plan to Constituent Councils Administration and GRFMA Board Members for feedback.*
5. *Receives a further report on the matter at the August 2022 GRFMA meeting.*

Programmed cost estimates (Item 4) have now been completed by Chris Sale Consulting. See attached Bruce Eastick Dam Maintenance Cost Estimates – baseline costs and 10-year cost estimates.

Averaging of the cost estimates (Item 4) over 10 years results in calculated cost of \$69,550pa.

The table below reflects the movement of annual budget allocations against annual maintenance costs and residual cash balances and indicates cash reserves will be sufficient to manage yearly cost fluctuations.



<b>Costed Maintenance 10-year Dam</b>											
<b>Year</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
<b>Annual budget Ave</b>	69550	69550	69550	69550	69550	69550	69550	69550	69550	69550	695500
<b>Costed repairs</b>	21506	63261	23485	141576	86323	75440	28007	82382	30584	142904	695468
<b>Balance</b>	48044	54333	100398	28372	11599	5709	47252	34420	73386	32	

#### Key considerations

- Cost estimates include both GRFMA inspection costs and external contract costs.
- Historically GRFMA Executive Officer inspection undertakings have been reflected in the Executive Officer services annual budget allocation rather than Dam maintenance accounts. Determination of appropriate cost allocation account is required.
- Amended cost estimates will also be reflected in the GRFMA Asset Management Plan.

See attached copies of programmed cost estimates completed by Chris Sale Consulting and the draft Long Term Financial Plan Profit and Loss calculation extract which includes averaging of maintenance costs of \$69,550 pa over the proposed 10-year program.

# BRUCE EASTICK NORTH PARA FLOOD MITIGATION DAM MAINTENANCE COST ANALYSIS

26th July 2022

**Notes / Assumptions:**

- Inflation rate of 4.5% per annum used when escalating costs in future years
- A major flood event is assumed to occur every 10 years. Last flooding event assumed to be 2016 floods, therefore Major Flood Event assumed to be in Year 4
- In a Major Flood Event year, assumed the maintenance costs will double for each of those items required to be undertaken after a Major Flood Event
- Assumed replacing HLOP safety covers after Major Floor Event only
- Assumed repair / replacing rural boundary fences within Inundation Land after Major Floor Event only
- 5 Year Comprehensive Inspection assumed to be undertaken in Year 5 (and subsequently, Year 10)
- Assumed LLOP Inlet Chamber, LLOP and Stilling Basin annual visual inspection not required in 5 Year Comprehensive Insepection year



Description	Unit	Qty	Rate	Present Day Cost	No. of Years Until Maintenance Required	Frequency (Years)	Major Flood Event Year 4	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
								2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>GRFMA INSPECTIONS</b>																	
Allowance for visual inspection of all GRFMA operational inspection requirements by GRFMA representative including report, etc. (assumed 12 visits annually)	No	12	\$ 480.00	\$ 5,760.00	1	1	4	\$ 6,019	\$ 6,290	\$ 6,573	\$ 7,349	\$ 7,178	\$ 7,501	\$ 7,839	\$ 8,191	\$ 8,560	\$ 8,945
<b>SITE ACCESS ROADS</b>																	
No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
Grade road surface (assumed avg. 3.6m wide gravel road)	m²	6,200	\$ 0.30	\$ 1,860.00	1	1	4	\$ 1,944	\$ 2,031	\$ 2,123	\$ 4,436	\$ 2,318	\$ 2,422	\$ 2,531	\$ 2,645	\$ 2,764	\$ 2,889
Allowance to fill potholes as required including compaction	m²	6,200	\$ 0.30	\$ 1,860.00	1	1	4	\$ 1,944	\$ 2,031	\$ 2,123	\$ 4,436	\$ 2,318	\$ 2,422	\$ 2,531	\$ 2,645	\$ 2,764	\$ 2,889
No allowance for works to Kemp Road and McDonald Road	Note	-	\$ -	\$ -	-	-											
<b>SITE ACCESS GATES</b>																	
No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
Allowance to maintain / replace gate hardware including locks, hinges, etc. as required	Item	1	\$ 250.00	\$ 250.00	2	2	-	\$ -	\$ 273	\$ -	\$ 298	\$ -	\$ 326	\$ -	\$ 356	\$ -	\$ 388
<b>DRAINAGE SWALES &amp; SUMPS</b>																	
No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
Allowance to remove sediment and debris from drainage swales and sumps as required	Item	1	\$ 750.00	\$ 750.00	1	1	4	\$ 784	\$ 819	\$ 856	\$ 1,789	\$ 935	\$ 977	\$ 1,021	\$ 1,067	\$ 1,115	\$ 1,165
<b>ROAD CULVERTS</b>																	
No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
Allowance to remove sediment and debris from drainage swales and sumps as required	Item	1	\$ 750.00	\$ 750.00	1	1	4	\$ 784	\$ 819	\$ 856	\$ 1,789	\$ 935	\$ 977	\$ 1,021	\$ 1,067	\$ 1,115	\$ 1,165
<b>SITE BOUNDARY FENCING</b>																	
No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
Make good existing farm livestock fence as required (assumed 100m of make good)	m	100	\$ 15.00	\$ 1,500.00	1	1	-	\$ 1,568	\$ 1,638	\$ 1,712	\$ 1,789	\$ 1,869	\$ 1,953	\$ 2,041	\$ 2,133	\$ 2,229	\$ 2,329
<b>SAFETY SIGNAGE</b>																	

Description	Unit	Qty	Rate	Present Day Cost	No. of Years Until Maintenance Required	Frequency (Years)	Major Flood Event Year 4	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
Allowance to repair / replace safety signs as required	Item	1	\$ 150.00	\$ 150.00	1	1	-	\$ 157	\$ 164	\$ 171	\$ 179	\$ 187	\$ 195	\$ 204	\$ 213	\$ 223	\$ 233
<b>MAIN DAM WALL</b>																	
Allowance for visual inspection of main dam wall by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	No	1	\$ 3,300.00	\$ 3,300.00	2	2	4	\$ -	\$ 3,604	\$ -	\$ 7,235	\$ -	\$ 4,297	\$ -	\$ 4,693	\$ -	\$ 5,125
No allowance for maintenance works to main dam wall	Note	-	\$ -	\$ -	-	-											
<b>LLOP INLET CHAMBER (ROUTINE)</b>																	
Allowance for visual inspection of low level outlet pipe (LLOP) inlet chamber by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	No	1	\$ 1,750.00	\$ 1,750.00	2	2	4	\$ -	\$ 1,911	\$ -	\$ 4,174	\$ -	\$ 2,279	\$ -	\$ 2,489	\$ -	\$ -
No allowance to dewater low level outlet pipe (LLOP) inlet chamber	Note	-	\$ -	\$ -	-	-											
No allowance for licenced divers to undertake visual inspection	Note	-	\$ -	\$ -	-	-											
Allowance to remove floating debris and sediment from low level outlet pipe (LLOP) inlet chamber and 600mm inlet pipe as required (assumed 1 visit annually)	No	1	\$ 1,500.00	\$ 1,500.00	1	1	4	\$ 1,568	\$ 1,638	\$ 1,712	\$ 3,578	\$ -	\$ 1,953	\$ 2,041	\$ 2,133	\$ 2,229	\$ -
PC sum allowance to repair / replace inlet screen as required	Item	1	\$ 5,000.00	\$ 5,000.00	2	2	4	\$ -	\$ 5,460	\$ -	\$ 11,925	\$ -	\$ 6,511	\$ -	\$ 7,111	\$ -	\$ 7,765
PC sum allowance to repair / replace safety railing as required	Item	1	\$ 3,000.00	\$ 3,000.00	2	2	4	\$ -	\$ 3,276	\$ -	\$ 7,155	\$ -	\$ 3,907	\$ -	\$ 4,266	\$ -	\$ 4,659
<b>LLOP (ROUTINE)</b>																	
Allowance for visual inspection of low level outlet pipe (LLOP) by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	No	1	\$ 1,250.00	\$ 1,250.00	2	2	4	\$ -	\$ 1,365	\$ -	\$ 2,981	\$ -	\$ 1,628	\$ -	\$ 1,778	\$ -	\$ -
No allowance to dewater low level outlet pipe (LLOP) inlet chamber	Note	-	\$ -	\$ -	-	-											
No allowance for licenced divers to undertake visual inspection	Note	-	\$ -	\$ -	-	-											
Allowance to remove floating debris and sediment from low level outlet pipe (LLOP) as required (assumed 1 visit annually)	No	1	\$ 1,000.00	\$ 1,000.00	1	1	4	\$ 1,045	\$ 1,092	\$ 1,141	\$ 2,385	\$ -	\$ 1,302	\$ 1,361	\$ 1,422	\$ 1,486	\$ -
No allowance to repair / replace low level outlet pipe (LLOP)	Note	-	\$ -	\$ -	-	-											
<b>STILLING BASIN (ROUTINE)</b>																	
Allowance for visual inspection of stilling basin by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	No	1	\$ 1,600.00	\$ 1,600.00	2	2	4	\$ -	\$ 1,747	\$ -	\$ 3,816	\$ -	\$ 2,084	\$ -	\$ 2,275	\$ -	\$ -
No allowance to dewater stilling basin	Note	-	\$ -	\$ -	-	-											
No allowance for licenced divers to undertake visual inspection	Note	-	\$ -	\$ -	-	-											
Allowance to remove floating debris and sediment from stilling basin as required (assumed 1 visit annually)	No	1	\$ 3,450.00	\$ 3,450.00	1	1	4	\$ 3,605	\$ 3,767	\$ 3,937	\$ 8,228	\$ -	\$ 4,493	\$ 4,695	\$ 4,906	\$ 5,127	\$ -
PC sum allowance to repair / replace baffle blocks as required (assumed minor)	Item	1	\$ 5,000.00	\$ 5,000.00	2	2	4	\$ -	\$ 5,460	\$ -	\$ 11,925	\$ -	\$ 6,511	\$ -	\$ 7,111	\$ -	\$ -
PC sum allowance to repair stilling basin walls as required (assumed minor)	Item	1	\$ 5,000.00	\$ 5,000.00	2	2	4	\$ -	\$ 5,460	\$ -	\$ 11,925	\$ -	\$ 6,511	\$ -	\$ 7,111	\$ -	\$ -
<b>LLOP INLET CHAMBER, LLOP &amp; STILLING BASIN (COMPREHENSIVE INSPECTION)</b>																	

Description	Unit	Qty	Rate	Present Day Cost	No. of Years Until Maintenance Required	Frequency (Years)	Major Flood Event Year 4	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Allowance for visual inspection of LLOP inlet chamber, LLOP and stilling basin by licenced Dams Engineer including report, etc. (assumed 1 visit every 5 years)	No	1	\$ 6,500.00	\$ 6,500.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 8,100	\$ -	\$ -	\$ -	\$ -	\$ 10,094
Allowance to pump out and de-water LLOP inlet chamber and stilling basin for works to proceed	Item	1	\$ 10,000.00	\$ 10,000.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 12,462	\$ -	\$ -	\$ -	\$ -	\$ 15,530
No allowance for design and construction of drop gate mechanism	Note	-	\$ -	\$ -	-	-											
No allowance for licenced divers to undertake visual inspection	Note	-	\$ -	\$ -	-	-											
Detailed removal of silt, mud, etc. and pressure clean to allow for detailed visual inspection	m²	14	\$ 150.00	\$ 2,100.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 2,617	\$ -	\$ -	\$ -	\$ -	\$ 3,261
PC sum allowance to repair inlet chamber walls and floor as required (assumed minor)	Item	1	\$ 2,500.00	\$ 2,500.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 3,115	\$ -	\$ -	\$ -	\$ -	\$ 3,882
Detailed removal of silt, mud, etc. and pressure clean to allow for detailed visual inspection	m²	177	\$ 20.00	\$ 3,540.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 4,411	\$ -	\$ -	\$ -	\$ -	\$ 5,498
PC sum allowance to sand blast, prime and epoxy coat where surface defects located	Item	1	\$ 10,000.00	\$ 10,000.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 12,462	\$ -	\$ -	\$ -	\$ -	\$ 15,530
Detailed removal of silt, mud, etc. and pressure clean to allow for detailed visual inspection	m²	500	\$ 20.00	\$ 10,000.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 12,462	\$ -	\$ -	\$ -	\$ -	\$ 15,530
PC sum allowance to repair / replace baffle blocks as required (assumed minor)	Item	1	\$ 5,000.00	\$ 5,000.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 6,231	\$ -	\$ -	\$ -	\$ -	\$ 7,765
PC sum allowance to repair stilling basin walls as required (assumed minor)	Item	1	\$ 5,000.00	\$ 5,000.00	5	5	-	\$ -	\$ -	\$ -	\$ -	\$ 6,231	\$ -	\$ -	\$ -	\$ -	\$ 7,765
<b>HLOP's</b>																	
Allowance for visual inspection of high level outlet pipe (HLOP) by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	No	1	\$ 1,850.00	\$ 1,850.00	2	2	-	\$ -	\$ 2,020	\$ -	\$ 2,206	\$ -	\$ 2,409	\$ -	\$ 2,631	\$ -	\$ 2,873
Allowance to remove debris from high level outlet pipe (HLOP) as required (assumed 1 visit annually)	No	1	\$ 1,000.00	\$ 1,000.00	1	1	-	\$ 1,045	\$ 1,092	\$ 1,141	\$ 1,193	\$ 1,246	\$ 1,302	\$ 1,361	\$ 1,422	\$ 1,486	\$ 1,553
PC sum allowance to fabricate and replace safety covers to high level outlet pipe (HLOP)	Item	1	\$ 10,000.00	\$ 10,000.00	4	10	4	\$ -	\$ -	\$ -	\$ 11,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>DAM CREST ACCESS LADDER &amp; SAFETY RAILINGS</b>																	
No allowance for licenced engineer inspections (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
PC sum allowance to repair / replace access ladder as required	Item	1	\$ 1,000.00	\$ 1,000.00	2	2	4	\$ -	\$ 1,092	\$ -	\$ 2,385	\$ -	\$ 1,302	\$ -	\$ 1,422	\$ -	\$ 1,553
PC sum allowance to repair / replace safety railings as required	Item	1	\$ 1,500.00	\$ 1,500.00	2	2	4	\$ -	\$ 1,638	\$ -	\$ 3,578	\$ -	\$ 1,953	\$ -	\$ 2,133	\$ -	\$ 2,329
<b>DAM CREST SURVEY MARKERS</b>																	
Allowance for survey monitoring inspection by licenced Surveyor including report, etc. (assumed 1 visit bi-annually)	No	1	\$ 3,750.00	\$ 3,750.00	2	2	-	\$ -	\$ 4,095	\$ -	\$ 4,472	\$ -	\$ 4,883	\$ -	\$ 5,333	\$ -	\$ 5,824
PC sum allowance to repair or replace survey markers as required	Item	1	\$ 250.00	\$ 250.00	2	2	-	\$ -	\$ 273	\$ -	\$ 298	\$ -	\$ 326	\$ -	\$ 356	\$ -	\$ 388
<b>SECONDARY SPILLWAY WALL</b>																	
Allowance for visual inspection of secondary spillway wall by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	No	1	\$ 1,250.00	\$ 1,250.00	2	2	4	\$ -	\$ 1,365	\$ -	\$ 2,981	\$ -	\$ 1,628	\$ -	\$ 1,778	\$ -	\$ 1,941
No allowance for maintenance works to secondary spillway wall	Note	-	\$ -	\$ -	-	-											

Description	Unit	Qty	Rate	Present Day Cost	No. of Years Until Maintenance Required	Frequency (Years)	Major Flood Event Year 4	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>DOWNSTREAM ROCKWORK &amp; OVERLAND</b>																	
Allowance for visual inspection of downstream rockwork and overland flowpath by licenced Dams Engineer including report, etc. (assumed 1 visit annually)	No	1	\$ 600.00	\$ 600.00	2	2	4	\$ -	\$ 655	\$ -	\$ 1,431	\$ -	\$ 781	\$ -	\$ 853	\$ -	\$ 932
PC sum allowance for maintenance works to downstream rockwork and overland flowpath as required	Item	1	\$ 1,000.00	\$ 1,000.00	2	2	4	\$ -	\$ 1,092	\$ -	\$ 2,385	\$ -	\$ 1,302	\$ -	\$ 1,422	\$ -	\$ 1,553
<b>RAINFALL IN CATCHMENT</b>																	
No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)	Note	-	\$ -	\$ -	-	-											
No allowance for maintenance works (Bureau of Meteorology to undertake if required)	Note	-	\$ -	\$ -	-	-											
<b>RIVER FLOWS</b>																	
No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)	Note	-	\$ -	\$ -	-	-											
No allowance for maintenance works (Bureau of Meteorology to undertake if required)	Note	-	\$ -	\$ -	-	-											
<b>WATER LEVELS AT DAM</b>																	
No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)	Note	-	\$ -	\$ -	-	-											
No allowance for maintenance works (Bureau of Meteorology to undertake if required)	Note	-	\$ -	\$ -	-	-											
<b>WATER LEVEL MONITORING EQUIPMENT</b>																	
No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)	Note	-	\$ -	\$ -	-	-											
No allowance for maintenance or repair works to monitoring equipment (Bureau of Meteorology to undertake if required)	Note	-	\$ -	\$ -	-	-											
<b>ISSUE FLOOD WARNINGS</b>																	
No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)	Note	-	\$ -	\$ -	-	-											
No allowance for maintenance works (Bureau of Meteorology to undertake if required)	Note	-	\$ -	\$ -	-	-											
<b>RAINFALL IN CATCHMENT (DAM LAND)</b>																	
No allowance for licenced engineer or the like for the inspections (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
Allowance to remove debris and sediment from dam land as required (assumed 1 visit annually)	No	1	\$ 1,000.00	\$ 1,000.00	1	1	4	\$ 1,045	\$ 1,092	\$ 1,141	\$ 2,385	\$ 1,246	\$ 1,302	\$ 1,361	\$ 1,422	\$ 1,486	\$ 1,553
<b>RAINFALL IN CATCHMENT (INUNDATION LAND)</b>																	

Description	Unit	Qty	Rate	Present Day Cost	No. of Years Until Maintenance Required	Frequency (Years)	Major Flood Event Year 4	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
No allowance for licenced engineer or the like for the inspections (undertaken by GRFMA nominated inspector)	Note	-	\$ -	\$ -	-	-											
PC sum allowance to repair / replace rural boundary fences damaged due to flooding events	Item	1	\$ 7,500.00	\$ 7,500.00	4	10	4	\$ -	\$ -	\$ -	\$ 8,944	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
No allowance to remove debris from inundation land and rural boundary fences	Note	-	\$ -	\$ -	-	-											
<b>TOTAL</b>				<b>\$ 130,070.00</b>				<b>\$ 21,506</b>	<b>\$ 63,261</b>	<b>\$ 23,485</b>	<b>\$ 141,576</b>	<b>\$ 86,323</b>	<b>\$ 75,440</b>	<b>\$ 28,007</b>	<b>\$ 82,382</b>	<b>\$ 30,584</b>	<b>\$ 142,904</b>

# Bruce Eastick North Para Flood Mitigation Dam

Maintenance Cost Estimate\_Rev. 1 (Baseline)

26th July 2022



## PROJECT GROUP CONTACTS

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam
<b>Client:</b>	GRFMA
<b>Architect:</b>	N/A
<b>Structural Engineer:</b>	N/A
<b>Civil Engineer:</b>	N/A
<b>Services Engineer:</b>	N/A
<b>Cost Manager:</b>	Chris Sale Consulting

Project Information					
Job Number:	223469	Revision Number:	1	Issue Date:	26th July 2022
Checked By:	MT	Controlled Doc	Yes	Author:	BS
Distribution:	1 x on file; 1 x electronic copy				

## EXECUTIVE SUMMARY

This estimate has been prepared based on the information as listed in Section 4.0 of this report.  
This estimate has been priced at current rates - refer to Section 5.0 in regards to tendering and market assumptions.



## **1.0 SCOPE OF PROJECT**

The scope of this project includes the maintenance and repair costs to Bruce Eastick North Para Flood Mitigation Dam.

## **2.0 INCLUSIONS**

This cost estimate includes the following:

- All costs are based on current day 'Year 0' rates in order to determine a baseline for all future year costs
- All costs are inclusive of maintenance contractors preliminaries and margin (where applicable)
- Licenced dam engineer fees (where applicable)
- GRFMA operational inspection requirements by GRFMA representative costs (monthly visits)

## **3.0 EXCLUSIONS**

This cost estimate excludes the following which should be considered when assessing overall project cost:

- GST
- Contingencies
- Contaminated soil removal / remediation
- Other exclusions as noted throughout estimate

## **4.0 INFORMATION USED IN PREPARING THIS ESTIMATE**

The following information was used in preparation of this cost estimate:

- Aurecon Bruce Eastick North Para River Flood Control Dam Operations and Maintenance Manual dated 05.06.20
- URS 'As Constructed Drawing' structural drawings dated June 2008
- HARC Dam Break Consequences Report exert emailed 26.07.22
- Other relevant email correspondence

## **5.0 COSTING & MARKET CONDITIONS**

This estimate is based upon tendering the maintenance, repair and engineering works amongst suitable contractors and engineering firms. The prevailing market is "busy" and is expected to remain so for the foreseeable future.

Refer to separate report for maintenance cost escalation over a 10 Year period.

Yours faithfully,



Brian Stephens  
Senior Cost Manager

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022
<b>GFA:</b>	0 m2		

Code	Description	Quantity	Unit	Rate	Total
	<b>Bruce Eastick North Para Flood Mitigation Dam - Maintenance Costs</b>				
GR	GRFMA Inspections		Item		5,760
AC	Access Roads, Fencing & Drainage		Item		7,120
MD	Main Dam		Item		105,840
SS	Secondary Spillway		Item		2,850
RI	River Flows & Water Levels		Item		Excl.
GD	Grounds - Dam Land		Item		1,000
GI	Grounds - Inundation Land		Item		7,500

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022
<b>GFA:</b>	0 m2		

## GRFMA Inspections

Code	Description	Quantity	Unit	Rate	Total
GR	GRFMA Inspections		Item		5,760
<b>GRFMA Inspections</b>					<b>\$ 5,760</b>

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022
<b>GFA:</b>	0 m2		

## Access Roads, Fencing & Drainage

Code	Description	Quantity	Unit	Rate	Total
AR	Site Access Roads		Item		3,720
AG	Site Access Gates		Item		250
DS	Drainage Swales & Sumps		Item		750
RC	Road Culverts		Item		750
BF	Site Boundary Fencing		Item		1,500
SS	Safety Signage		Item		150

**Access Roads, Fencing & Drainage** **\$ 7,120**

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022
<b>GFA:</b>	0 m2		

Main Dam					
Code	Description	Quantity	Unit	Rate	Total
MD	Main Dam Wall		Item		3,300
LI	LLOP Inlet Chamber (Routine)		Item		11,250
LP	LLOP (Routine)		Item		2,250
SB	Stilling Basin (Routine)		Item		15,050
LS	LLOP Inlet Chamber, LLOP & Stilling Basin (Comprehensive Inspection)		Item		54,640
HL	HLOP's		Item		12,850
LA	Dam Crest Access Ladder & Safety Railings		Item		2,500
SM	Dam Crest Survey Markers		Item		4,000
<b>Main Dam</b>					<b>\$ 105,840</b>



# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022
<b>GFA:</b>	0 m2		

Secondary Spillway					
Code	Description	Quantity	Unit	Rate	Total
SS	Secondary Spillway Wall		Item		1,250
DS	Downstream Rockwork & Overland Flowpath		Item		1,600
Secondary Spillway					<b>\$ 2,850</b>

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022
<b>GFA:</b>	0 m2		

## River Flows & Water Levels

Code	Description	Quantity	Unit	Rate	Total
RC	Rainfall in Catchment		Item		Excl.
RF	River Flows		Item		Excl.
WD	Water Levels at Dam		Item		Excl.
ME	Water Level Monitoring Equipment		Item		Excl.
FW	Issue Flood Warnings		Item		Excl.

**River Flows & Water Levels** \$ Excl.

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022
<b>GFA:</b>	0 m2		

## Grounds - Dam Land

Code	Description	Quantity	Unit	Rate	Total
GD	Rainfall in Catchment		Item		1,000
<b>Grounds - Dam Land</b>					<b>\$ 1,000</b>

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022
<b>GFA:</b>	0 m2		

Grounds - Inundation Land					
Code	Description	Quantity	Unit	Rate	Total
GI	Rainfall in Catchment		Item		7,500
<b>Grounds - Inundation Land</b>					<b>\$ 7,500</b>

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

## GRFMA Inspections

Code	Description	Quantity	Unit	Rate	Total
<b>GR</b>	<b>GRFMA Inspections</b>				
	<b>Inspection</b>				
15	Allowance for visual inspection of all GRFMA operational inspection requirements by GRFMA representative including report, etc. (assumed 12 visits annually)	12	No	480.00	5,760
	<b>Maintenance Works</b>				
16	No allowance for maintenance works		Note		Excl.

**Sub-Total GRFMA Inspections** **5,760**

**GRFMA Inspections** **5,760**

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

**Project:** Bruce Eastick North Para Flood Mitigation Dam **Estimate:** Maintenance Cost Estimate\_Rev.  
**Project No:** 223469 **Date:** 26th July 2022

## Access Roads, Fencing & Drainage

Code	Description	Quantity	Unit	Rate	Total
<b>AR Site Access Roads</b>					
	<b>Inspection</b>				
1	No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)		Note		Excl.
	<b>Maintenance Works</b>				
2	Grade road surface (assumed avg. 3.6m wide gravel road)	6,200	m2	0.30	1,860
3	Allowance to fill potholes as required including compaction	6,200	m2	0.30	1,860
4	No allowance for works to Kemp Road and McDonald Road		Note		Excl.
<b>Sub-Total Site Access Roads</b>					<b>3,720</b>

<b>AG Site Access Gates</b>					
	<b>Inspection</b>				
5	No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)		Note		Excl.
	<b>Maintenance Works</b>				
6	Allowance to maintain / replace gate hardware including locks, hinges, etc. as required		Item		250
<b>Sub-Total Site Access Gates</b>					<b>250</b>

<b>DS Drainage Swales &amp; Sumps</b>					
	<b>Inspection</b>				
7	No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)		Note		Excl.
	<b>Maintenance Works</b>				
8	Allowance to remove sediment and debris from drainage swales and sumps as required		Item		750
<b>Sub-Total Drainage Swales &amp; Sumps</b>					<b>750</b>

<b>RC Road Culverts</b>					
	<b>Inspection</b>				
9	No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)		Note		Excl.

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

## Access Roads, Fencing & Drainage

Code	Description	Quantity	Unit	Rate	Total
	<b>Maintenance Works</b>				
10	Allowance to remove sediment and debris from road culverts as required		Item		750

**Sub-Total Road Culverts** 750

### BF Site Boundary Fencing

	<b>Inspection</b>				
11	No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)		Note		Excl.
	<b>Maintenance Works</b>				
12	Make good existing farm livestock fence as required (assumed 100m of make good)	100	m	15.00	1,500

**Sub-Total Site Boundary Fencing** 1,500

### SS Safety Signage

	<b>Inspection</b>				
13	No allowance for licenced engineer or the like (undertaken by GRFMA nominated inspector)		Note		Excl.
	<b>Maintenance Works</b>				
14	Allowance to repair / replace safety signs as required		Item		150

**Sub-Total Safety Signage** 150

**Access Roads, Fencing & Drainage** 7,120



# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

## Main Dam

Code	Description	Quantity	Unit	Rate	Total
<b>MD</b>	<b>Main Dam Wall</b>				
	<b>Inspection</b>				
15	Allowance for visual inspection of main dam wall by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	1	No	3,300.00	3,300
	<b>Maintenance Works</b>				
16	No allowance for maintenance works to main dam wall		Note		Excl.
<b>Sub-Total Main Dam Wall</b>					<b>3,300</b>

## LI LLOP Inlet Chamber (Routine)

	<b>Inspection</b>				
17	Allowance for visual inspection of low level outlet pipe (LLOP) inlet chamber by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	1	No	1,750.00	1,750
19	No allowance to de-water low level outlet pipe (LLOP) inlet chamber		Note		Excl.
20	No allowance for licenced divers to undertake visual inspection		Note		Excl.
	<b>Maintenance Works</b>				
21	Allowance to remove floating debris and sediment from low level outlet pipe (LLOP) inlet chamber and 600mm inlet pipe as required (assumed 1 visit annually)	1	No	1,500	1,500
22	PC sum allowance to repair / replace inlet screen as required		Item		5,000
23	PC sum allowance to repair / replace safety railing as required		Item		3,000
<b>Sub-Total LLOP Inlet Chamber (Routine)</b>					<b>11,250</b>

## LP LLOP (Routine)

	<b>Inspection</b>				
24	Allowance for visual inspection of low level outlet pipe (LLOP) by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	1	No	1,250.00	1,250
26	No allowance to de-water low level outlet pipe (LLOP) inlet chamber		Note		Excl.
27	No allowance for licenced divers to undertake visual inspection		Note		Excl.

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

Main Dam					
Code	Description	Quantity	Unit	Rate	Total
	<b>Maintenance Works</b>				
28	Allowance to remove floating debris and sediment from low level outlet pipe (LLOP) as required (assumed 1 visit annually)	1	No	1,000	1,000
29	No allowance to repair / replace low level outlet pipe (LLOP)		Note		Excl.
<b>Sub-Total LLOP (Routine)</b>					<b>2,250</b>

<b>SB</b>	<b>Stilling Basin (Routine)</b>				
	<b>Inspection</b>				
30	Allowance for visual inspection of stilling basin by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	1	No	1,600.00	1,600
32	No allowance to de-water stilling basin		Note		Excl.
33	No allowance for licenced divers to undertake visual inspection		Note		Excl.
	<b>Maintenance Works</b>				
34	Allowance to remove floating debris and sediment from stilling basin as required (assumed 1 visit annually)	1	No	3,450	3,450
35	PC sum allowance to repair / replace baffle blocks as required (assumed minor)		Item		5,000
36	PC sum allowance to repair stilling basin walls as required (assumed minor)		Item		5,000
<b>Sub-Total Stilling Basin (Routine)</b>					<b>15,050</b>

<b>LS</b>	<b>LLOP Inlet Chamber, LLOP &amp; Stilling Basin (Comprehensive Inspection)</b>				
	<b>Inspection</b>				
37	Allowance for visual inspection of LLOP inlet chamber, LLOP and stilling basin by licenced Dams Engineer including report, etc. (assumed 1 visit every 5 years)	1	No	6,500.00	6,500
39	Allowance to pump out and de-water LLOP inlet chamber and stilling basin for works to proceed		Item		10,000
38	No allowance for design and construction of drop gate mechanism		Note		Excl.
40	No allowance for licenced divers to undertake visual inspection		Note		Excl.
	<b>Maintenance Works</b>				

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

Main Dam					
Code	Description	Quantity	Unit	Rate	Total
	<u>LLOP Inlet Chamber</u>				
41	Detailed removal of silt, mud, etc. and pressure clean to allow for detailed visual inspection	14	m2	150.00	2,100
42	PC sum allowance to repair inlet chamber walls and floor as required (assumed minor)		Item		2,500
	<u>LLOP</u>				
43	Detailed removal of silt, mud, etc. and pressure clean to allow for detailed visual inspection	177	m2	20.00	3,540
44	PC sum allowance to sand blast, prime and epoxy coat where surface defects located		Item		10,000
	<u>Stilling Basin</u>				
45	Detailed removal of silt, mud, etc. and pressure clean to allow for detailed visual inspection	500	m2	20.00	10,000
46	PC sum allowance to repair / replace baffle blocks as required (assumed minor)		Item		5,000
47	PC sum allowance to repair stilling basin walls as required (assumed minor)		Item		5,000
<b>Sub-Total LLOP Inlet Chamber, LLOP &amp; Stilling Basin (Comprehensive Inspection)</b>					<b>54,640</b>

<b>HL</b>	<b>HLOP's</b>				
	<b>Inspection</b>				
48	Allowance for visual inspection of high level outlet pipe (HLOP) by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	1	No	1,850.00	1,850
	<b>Maintenance Works</b>				
50	Allowance to remove debris from high level outlet pipe (HLOP) as required (assumed 1 visit annually)	1	No	1,000	1,000
51	PC sum allowance to fabricate and replace safety covers to high level outlet pipe (HLOP)		Item		10,000
<b>Sub-Total HLOP's</b>					<b>12,850</b>

<b>LA</b>	<b>Dam Crest Access Ladder &amp; Safety Railings</b>				
	<b>Inspection</b>				
52	No allowance for licenced engineer inspections (undertaken by GRFMA nominated inspector)		Note		Excl.

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

Main Dam					
Code	Description	Quantity	Unit	Rate	Total
	<b>Maintenance Works</b>				
53	PC sum allowance to repair / replace access ladder as required (assumed minor)		Item		1,000
54	PC sum allowance to repair / replace safety railings as required (assumed minor)		Item		1,500
<b>Sub-Total Dam Crest Access Ladder &amp; Safety Railings</b>					<b>2,500</b>

<b>SM</b>	<b>Dam Crest Survey Markers</b>				
	<b>Inspection</b>				
55	Allowance for survey monitoring inspection by licenced Surveyor including report, etc. (assumed 1 visit bi-annually)	1	No	3,750.00	3,750
	<b>Maintenance Works</b>				
56	PC sum allowance to repair or replace survey markers as required		Item		250
<b>Sub-Total Dam Crest Survey Markers</b>					<b>4,000</b>

**Main Dam** **105,840**

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

## Secondary Spillway

Code	Description	Quantity	Unit	Rate	Total
<b>SS</b>	<b>Secondary Spillway Wall</b>				
	<b>Inspection</b>				
57	Allowance for visual inspection of secondary spillway wall by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	1	No	1,250.00	1,250
	<b>Maintenance Works</b>				
59	No allowance for maintenance works to secondary spillway wall		Note		Excl.
<b>Sub-Total Secondary Spillway Wall</b>					<b>1,250</b>

<b>DS</b>	<b>Downstream Rockwork &amp; Overland Flowpath</b>				
	<b>Inspection</b>				
60	Allowance for visual inspection of downstream rockwork and overland flowpath by licenced Dams Engineer including report, etc. (assumed 1 visit bi-annually)	1	No	600.00	600
	<b>Maintenance Works</b>				
62	PC sum allowance for maintenance works to downstream rockwork and overland flowpath as required		Item		1,000
<b>Sub-Total Downstream Rockwork &amp; Overland Flowpath</b>					<b>1,600</b>

**Secondary Spillway** **2,850**

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

## River Flows & Water Levels

Code	Description	Quantity	Unit	Rate	Total
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### RC Rainfall in Catchment

	<b>Inspection</b>				
63	No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)		Note		Excl.
	<b>Maintenance Works</b>				
64	No allowance for maintenance works (Bureau of Meteorology to undertake if required)		Note		Excl.

**Sub-Total Rainfall in Catchment** **Excl.**

### RF River Flows

	<b>Inspection</b>				
65	No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)		Note		Excl.
	<b>Maintenance Works</b>				
66	No allowance for maintenance works (Bureau of Meteorology to undertake if required)		Note		Excl.

**Sub-Total River Flows** **Excl.**

### WD Water Levels at Dam

	<b>Inspection</b>				
67	No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)		Note		Excl.
	<b>Maintenance Works</b>				
68	No allowance for maintenance works (Bureau of Meteorology to undertake if required)		Note		Excl.

**Sub-Total Water Levels at Dam** **Excl.**

### ME Water Level Monitoring Equipment

	<b>Inspection</b>				
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# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

## River Flows & Water Levels

Code	Description	Quantity	Unit	Rate	Total
69	No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)		Note		Excl.
	<b>Maintenance Works</b>				
70	No allowance for maintenance or repair works to monitoring equipment (Bureau of Meteorology to undertake if required)		Note		Excl.

**Sub-Total Water Level Monitoring Equipment** **Excl.**

## FW Issue Flood Warnings

	<b>Inspection</b>				
71	No allowance for licenced engineer or GRFMA nominated inspector to undertake inspections (Bureau of Meteorology to monitor)		Note		Excl.
	<b>Maintenance Works</b>				
72	No allowance for maintenance works (Bureau of Meteorology to undertake if required)		Note		Excl.

**Sub-Total Issue Flood Warnings** **Excl.**

**River Flows & Water Levels** **Excl.**



# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

## Grounds - Dam Land

Code	Description	Quantity	Unit	Rate	Total
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<b>GD</b>	<b>Rainfall in Catchment</b>				
	<b>Inspection</b>				
73	No allowance for licenced engineer or the like for the inspections (undertaken by GRFMA nominated inspector)		Note		Excl.
	<b>Maintenance Works</b>				
74	Allowance to remove debris and sediment from dam land as required (assumed 1 visit annually)	1	No	1,000	1,000

**Sub-Total Rainfall in Catchment** 1,000

**Grounds - Dam Land** 1,000

# Maintenance Cost Estimate\_Rev. 1 (Baseline)

<b>Project:</b>	Bruce Eastick North Para Flood Mitigation Dam	<b>Estimate:</b>	Maintenance Cost Estimate_Rev.
<b>Project No:</b>	223469	<b>Date:</b>	26th July 2022

## Grounds - Inundation Land

Code	Description	Quantity	Unit	Rate	Total
<b>GI Rainfall in Catchment</b>					
	<b>Inspection</b>				
75	No allowance for licenced engineer or the like for the inspections (undertaken by GRFMA nominated inspector)		Note		Excl.
	<b>Maintenance Works</b>				
76	PC sum allowance to repair / replace rural boundary fences damaged due to flooding events		Item		7,500
77	No allowance to remove debris from inundation land and rural boundary fences		Note		Excl.

**Sub-Total Rainfall in Catchment** **7,500**

**Grounds - Inundation Land** **7,500**



## Gawler River Flood Management Authority

## Long Term Financial Plan Model

## ESTIMATED COMPREHENSIVE INCOME STATEMENT

Year Ended 30 June: Indexing			2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Factor			Actual	Actual	DRAFT	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan
* CPI Federal/RBA predictions					Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
LGPI 5yr average = 2.0%														
<b>INCOME</b>														
Member Subscriptions	LGPI 5yr average	2.50%	145,000	145,935	176,052	165,120	138,068	141,520	145,058	148,684	152,401	156,211	160,117	164,119
Council Subscriptions	LGPI 5yr average	2.50%	85,300	50,300	85,200	139,550	138,207	138,207	138,207	138,207	138,207	138,207	138,208	138,207
Grants, subsidies, contributions			98,980	20,000	70,518	0	0	0	0	0	0	0	0	0
Investment Income	0.5% on Closing Balance of													
Other Revenue	Account	0.50%	1,042	1,009	1,132	600	818	823	828	832	837	842	847	851
			100	100	104	104	104	104	104	104	104	104	104	104
<b>Total Revenues</b>			<b>330,422</b>	<b>217,344</b>	<b>333,006</b>	<b>305,374</b>	<b>277,197</b>	<b>280,654</b>	<b>284,197</b>	<b>287,827</b>	<b>291,549</b>	<b>295,364</b>	<b>299,276</b>	<b>303,284</b>
<b>EXPENSES</b>														
Executive Officer Contract	LGPI (5 yr average)	2.50%	57,330	56,280	56,826	56,400	57,810	59,255	60,737	62,255	63,811	65,407	67,042	68,718
Adv, Printing, Stationary Post	LGPI (5 yr average)	2.50%	510	396	304	1,250	1,281	1,313	1,346	1,380	1,414	1,450	1,486	1,523
Travelling Expenses	LGPI (5 yr average)	2.50%	1,400	0	146	4,000	4,100	4,203	4,308	4,415	4,526	4,639	4,755	4,874
Insurance PL & PI	LGPI (5 yr average)	2.50%	6,225	6,412	6,733	6,900	7,073	7,249	7,431	7,616	7,807	8,002	8,202	8,407
Audit Committee	LGPI (5 yr average)	2.50%	1,950	2,600	2,600	2,650	2,716	2,784	2,854	2,925	2,998	3,073	3,150	3,229
Audit Fees	LGPI (5 yr average)	2.50%	7,712	5,000	5,188	5,600	5,740	5,884	6,031	6,181	6,336	6,494	6,657	6,823
Bank Fees	LGPI (5 yr average)	2.50%	51	55	55	120	123	126	129	132	136	139	143	146
Legal Fees	LGPI (5 yr average)	2.50%	2,133	0	2,000	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437
Honorarium - Chairperson	LGPI (5 yr average)	2.50%	9,600	9,250	8,300	8,700	8,918	9,140	9,369	9,603	9,843	10,089	10,342	10,600
Other Expenses	LGPI (5 yr average)	2.50%	3,243	5,122	6,108	6,100	6,253	6,409	6,569	6,733	6,902	7,074	7,251	7,432
Consultancies - Gawler River Scheme Mark 2	LGPI (5 yr average)	2.50%	139,025	84,737	159,957	72,000	41,800	42,845	43,916	45,014	46,139	47,293	48,475	49,687
Maintenance Contractors Flood Mitigation	LGPI (5 yr average)	2.50%	27,736	7,560	9,909									
Rates and Levies Flood Mitigation	LGPI (5 yr average)	2.50%	122	124	126	200	205	210	215	221	226	232	238	244
Comprehensive Inspection Dam	LGPI (5 yr average)	2.50%				69,550	69,550	69,550	69,550	69,550	69,550	69,550	69,550	69,550
LLOP Dewater & Inspection	LGPI (5 yr average)	2.50%												
Repairs & Maintenance Contingency	LGPI (5 yr average)	2.50%												
Depreciation		1.49%	321,163	321,163	322,298	322,298	322,298	331,353	331,353	331,353	331,353	331,353	341,042	341,042
Finance Costs			0	0	3,275	21,000	15,860	14,012	12,099	10,120	8,071	5,950	3,756	1,484
<b>Total Expenses</b>			<b>578,198</b>	<b>498,698</b>	<b>583,824</b>	<b>578,768</b>	<b>545,775</b>	<b>556,434</b>	<b>558,060</b>	<b>559,707</b>	<b>561,375</b>	<b>563,065</b>	<b>574,464</b>	<b>576,196</b>
<b>OPERATING SURPLUS/(DEFICIT) BEFORE CAPITAL AMOUNTS</b>			<b>(247,777)</b>	<b>(281,354)</b>	<b>(250,818)</b>	<b>(273,394)</b>	<b>(268,578)</b>	<b>(275,781)</b>	<b>(273,863)</b>	<b>(271,880)</b>	<b>(269,826)</b>	<b>(267,700)</b>	<b>(275,189)</b>	<b>(272,912)</b>
Amounts specifically for new assets			0	0	0	0	0	0	0	0	0	0	0	0
<b>NET SURPLUS/(DEFICIT)</b>			<b>(247,777)</b>	<b>(281,354)</b>	<b>(250,818)</b>	<b>(273,394)</b>	<b>(268,578)</b>	<b>(275,781)</b>	<b>(273,863)</b>	<b>(271,880)</b>	<b>(269,826)</b>	<b>(267,700)</b>	<b>(275,189)</b>	<b>(272,912)</b>
<b>Other Comprehensive Income</b>														
Changes in revaluation surplus - IPP&E		1.40%	0	0		0	607,738					650,280		
<b>Total Other Comprehensive Income</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>TOTAL COMPREHENSIVE INCOME</b>			<b>(247,777)</b>	<b>(281,354)</b>	<b>(250,818)</b>	<b>(273,394)</b>	<b>339,160</b>	<b>(275,781)</b>	<b>(273,863)</b>	<b>(271,880)</b>	<b>(269,826)</b>	<b>382,580</b>	<b>(275,189)</b>	<b>(272,912)</b>

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<b>Agenda Item:</b>	<b>5.4</b>
<b>Committee:</b>	<b>GRFMA Audit Committee</b>
<b>Meeting Date:</b>	<b>8 August 2022</b>
<b>Title:</b>	<b>GRFMA Risk Insurances</b>

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**That the GRFMA Audit Committee:**

- 1. Receives the report.**
  - 2. Requests the Executive Officer provide a copy of the report to the GRFMA with recommendation that GRFMA initiates 'Local Government Personal Accident & Corporate Travel' insurance cover for the position of the GRFMA Chair.**
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Following request from Local Government Risk Services (LGRS) the GRFMA Executive Officer facilitated response and submission to the following the 2022/23 LGRS General Insurances Questionnaires:

- LGAMLS Liability Questionnaire
- LGAAMF Cyber Questionnaire
- LGAAMF Crime Questionnaire
- LGAMLS Environmental Questionnaire
- LGAMLS Aviation Questionnaire
- LGAMLS C&O Questionnaire
- LGAAMF Asset Questionnaire
- LGAAMF Motor Questionnaire
- LGRS General Insurance Questionnaire
- LGAAMF Computer Electronic Equipment Questionnaire
- LGAWCS Questionnaire
- LGIPF Questionnaire

Given the specific nature of the GRFMA several the questions within the questionnaires were not applicable.

However, in submitting the responses it was noted that the GRFMA does not hold insurance cover in relation to:

1. Crime- Loss or damage due to **Theft**, fraud, dishonesty, **Forgery**, **Computer Fraud**, **Fund Transfer Fraud**, **Counterfeit** Currency **Fraud**, **Credit Card Fraud**, **Social Engineering Fraud**, or any criminal act (other than **Robbery** or **Safe Burglary**) committed by any authorised representative.
2. **Personal Accident** insurance cover for **the independent GRFMA Chair**.

Further discussions with LGRS have now facilitated options for consideration regarding these matters.

### Crime

The Crime risk is a low exposure for the Authority as any financial payment requires two authorisations to pay and there is no 'cash on hand', however, it is a prudent approach to understand the nature of cover which is available, cover limits, excess and cost so the Board can then decide if such cover is needed.

A Chubb Crime Cover quotation and policy wording applicable for this risk has been provided. There are two options available for consideration and the difference being offered is on the sum insured limit associated with the Social Engineering Fraud Coverage.

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Option 1 is providing a \$250,000 limit compared to Option 2 of \$50,000. The same deductible amount of \$25,000 for both Options.

<b>OPTIONS: Insuring Clauses</b>	<b>OPTION 1 Limit of Liability</b>	<b>OPTION 2 Limit of Liability</b>
A. Employee Theft Coverage	\$ 500,000	\$ 500,000
B. Premises Coverage	\$ 500,000	\$ 500,000
C. In Transit Coverage	\$ 500,000	\$ 500,000
D. Forgery Coverage	\$ 500,000	\$ 500,000
E. Computer Fraud Coverage	\$ 500,000	\$ 500,000
F. Funds Transfer Fraud Coverage	\$ 500,000	\$ 500,000
G. Counterfeit Currency Fraud Coverage	\$ 500,000	\$ 500,000
H. Credit Card Fraud Coverage	\$ 500,000	\$ 500,000
I. Client Coverage	\$ 500,000	\$ 500,000
J. Expense Coverage	\$ 100,000	\$ 100,000
Social Engineering Fraud Coverage	<b>\$250,000</b>	<b>\$50,000</b>
<b>Deductible Amount:</b>		
Insuring Clauses A - I	\$ 25,000	\$25,000
Insuring Clause J	Nil	Nil
<b>Premium cost:</b>	<b>\$11,453.20</b>	<b>\$10,110.01</b>

Based on the Authorities limited operations and current internal financial controls it is reasonable to conclude risk of crime, as identified, is low and crime insurance is not required.

#### Personal Accident Independent Chair

Board members are appointed by the Constituent Councils and the Chair is an independent member, this in turn means that whilst the Council appointed members are protected for injury occurring when undertaking GRFMA activities by the Personal Accident insurance policy held by the Council they are representing **there is no such protection for the Chair.**

Perusal of some other Authority Charters feature a clause along the lines of “*The Authority must take out a suitable policy of insurance insuring Board Members and their spouses or another person who may be accompanying a Board Member against risks associated with the performance or discharge of their official functions and duties or on official business of the Authority*”.

The GRFMA charter does not include such a requirement. This leaves the Chair sitting on his own in terms of lack of insurance cover if he is injured while performing his duties, which includes injury sustained travelling directly to and from these duties.

LGRS have a suitable insurance cover, the ‘Local Government Personal Accident & Corporate Travel’, which is provided to Local Government entities in South Australia, that could be utilised specifically to cover the Chair.

Using the LGRS cover means the protection afforded the Chair is the same as the rest of the Board and consistency of cover would be then provided.

Cost of the LGRS 'Local Government Personal Accident & Corporate Travel' insurance cover is \$897.23 pa. The premium is minimum charge so there is no pro-rata cost for a shorter term.

It is recommended that 'Local Government Personal Accident & Corporate Travel', insurance cover be undertaken for the GRFMA Chair.

#### Other

Property and Assets: The Authority has none as the Executive Officer is separately contracted and does not have a physical office, IT, or vehicles.

The BENPFM DAM is not insured.

There are no permanent or part-time employees, so Workers Compensation ordnances do not apply.

The GRFMA is a member of the Local Government Association Mutual Liability Scheme and the role of GRFMA Executive Officer as contracted EO is protected by the Scheme.